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New York State Department of Environmental Conservation
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SUBJECT: Final Spring 2013 Annual Report, Performance Monitoring, On-Base Groundwater Areas of Concern, Former Griffiss AFB, Rome, NY.

1. Attached please find the Final Spring 2013 Annual Report for the Performance Monitoring for the On-Base Groundwater Areas of Concern dated July 2014. This draft version of this report was submitted on May 2, 2014. The USEPA and NYSDEC elected not to provide comments on the draft report.

2. Replacement pages are provided for the hard copies of the report. Full copies of the final report are provided on the CD copies. If you have any questions or need additional information, please contact Cathy Jerrard at (315) 356-0810, ext. 204.

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As noted

On-Base Groundwater Remediation
Performance Monitoring
Former Griffiss Air Force Base
Rome, New York

Final
SPRING 2013
ANNUAL REPORT
PERFORMANCE MONITORING



Contract No. W912DQ-06-D-0012

Revision 0.0
July 2014

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Final
Spring 2013 Annual Report
Performance Monitoring
On Base Groundwater Remediation
Former Griffiss Air Force Base
Rome, New York
July 2014

Contract No. W912DQ-06-D-0012
Task Order No.: 0003

Prepared for:

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FINAL

SPRING 2013
ANNUAL REPORT
PERFORMANCE MONITORING

Prepared for:

On-Base Groundwater Remediation
On-Base Groundwater Areas of Concern
Former Griffiss Air Force Base
Rome, New York

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A	Daily Chemical Quality Control Reports
B	Validated Data
C	Raw Lab Data
D	Building 775 Operations and Maintenance Checklist
E	Monitoring Well Maintenance Log
F	MAROS Results

LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AFCEE	Air Force Center for Engineering and the Environment
AOC	Area of Concern
bgs	Below ground surface
CoC	Chain of Custody
CQCR	Chemical Quality Control Report
DCA	Dichloroethane
DCE	Dichloroethene
DO	Dissolved Oxygen
DOC	Dissolved Organic Carbon
EEEPC	Ecology and Environment Engineering, P.C.
EPA	Environmental Protection Agency
FPM	FPM Remediations, Inc.
FSP	Field Sampling Plan
ft.	Feet
gpm	Gallon per minute
ISCO	In-situ chemical oxidation
LF6 TCE	Landfill 6 Trichloroethene
LTM	Long Term Monitoring
MAROS	Monitoring and Remediation Optimization Systems
MDL	Method Detection Limit
MEE	Methane/Ethane/Ethene
mg/L	Milligram per liter
MIP	Membrane interface probe
MNA	Monitored natural attenuation
MTBE	Methyl Tert Butyl Ether
mV	Millivolt
MW	Monitoring Well
µg/L	Microgram per liter
NTU	Nephelometric Turbidity Unit

NYS	New York State
OBGW	On-Base Groundwater
ORP	Oxygen Reduction Potential
Parsons	Parsons Government Services
PCE	Perchloroethylene
PDI	Pre Design Investigation
PM	Performance Monitoring
PMWP	Performance Monitoring Work Plan
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RDWP	Remedial Design Work Plan
RL	Reporting Limit
ROD	Record of Decision
SAP	Sampling and Analysis Plan
SMC	Six Mile Creek
sq. ft.	square feet
SSHP	Site Safety and Health Plan
TCA	Trichloroethane
TCE	Trichloroethene
TMC	Three Mile Creek
TOC	Total Organic Carbon
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VC	Vinyl chloride
VOC	Volatile Organic Compound
WP	Work Plan
WPCF	Water Pollution Control Facility
WSA	Weapon Storage Area

1 Introduction

This Annual Performance Monitoring (PM) Report has been prepared by FPM Remediations, Inc. (FPM) in association with Parsons Government Services (Parsons), under contract to the United States Army Corps of Engineers (USACE), Kansas City District, Contract No. W912DQ-06-D-0012. FPM is conducting performance monitoring at the following on-base groundwater (OBGW) Areas of Concern (AOCs) at the former Griffiss Air Force Base (AFB):

- Landfill 6 Trichloroethene (Landfill 6 TCE) Site,
- Building 817/ Weapon Storage Area (WSA) Site,
- Building 775/Pumphouse 3, and
- The Nosedocks/ Apron 2 Chlorinated Plume.

The above sites will be referred to in the text as Landfill 6 TCE, Building 817/WSA, Building 775 and Apron 2 Chlorinated Plume, respectively (Figure 1-1). This report provides all site activities and groundwater monitoring data from the Fall 2012 PM and Spring 2013 PM sampling rounds. This Annual PM Report includes the sampling results of the thirteen rounds of PM sampling from the Landfill 6 TCE, Building 817/WSA, and Apron 2 Chlorinated Plume Sites and the twelve rounds of PM sampling from the Building 775 Site. Discussion of the previous PM sampling rounds has been removed from the text for readability; only the last two sampling rounds (Fall 2012 and Spring 2013) are included in the discussions.

1.1 Objectives

The objective of performance monitoring is to collect groundwater data to support decision making and assessment of the implemented remedy. This assessment will be made based on the results from performance sampling while applying the criteria as discussed in the Final Remedial Design Work Plan (RDWP) and Design Drawings (Ecology and Environment Engineering, P.C. [EEEPC], February 2008). The performance monitoring networks follow the RDWP. A more detailed history of each of the sites is provided in separate sections below, along with a brief synopsis of the implemented remedial action.

The Annual PM Report is intended to summarize the sampling results of the PM sampling rounds in tabular format. Discussions are limited to the last two sampling rounds (Fall 2012 and Spring 2013). This report contains the following required information:

- Summary of field sampling activities (including field documentation logs known as Chemical Quality Control Reports [CQCRs] in Appendix A);
- Data assessment information (including data validation reports (Appendix B) and raw laboratory results (Appendix C);
- Building 775 Extraction and discharge Annual Operations and Maintenance Checklist (Appendix D);

- A Monitoring Well Maintenance Log that summarizes the condition of each monitoring well and what repairs or maintenance has been performed (Appendix E);
- A comparison between current data, historic data, and relevant performance criteria including a statistical analysis of the analytical results (Appendix F);
- Updated plume and water level contour maps;
- Summary of analytical results; and
- Trend charts.

The above requirements are addressed in the following site-specific sections. Each site-specific section contains the following subsections:

- Site Background;
- Remedial Action Summary;
- PM Sampling Plan;
- Field Activities;
- PM Results;
- Analysis and Discussion; and
- Conclusion.

A summary of Remedial Action Objectives (RAOs) for each site is provided in Table 1-1.

1.2 Applicable Requirements

FPM performed the sampling as detailed in the Final PM Work Plan [PMWP] (FPM, September 2008).

Groundwater samples were generally collected using bladder pumps, but bailers were used at 1-inch direct-push wells at the Landfill 6 TCE Site due to the size of the bladder pumps being larger than the diameter of the direct-push wells. Sampling was performed in accordance with United States Environmental Protection Agency (USEPA) recommended practices [USEPA, March 1998] (bladder pump sampling only) and the Field Sampling Plan (FSP), Long-Term Monitoring Program (FPM, March 2005). Details on the sampling methodology are described in Section 6 of the PMWP (FPM, September 2008). All data obtained from the sampling events were reviewed and evaluated in accordance with the Basewide Air Force Center for Engineering and the Environment (AFCEE) Quality Assurance Project Plan (QAPP) Version 4.0, Long-Term Monitoring Program (FPM, October 2006), with AFCEE- and USACE-approved variances, and the AFCEE QAPP 4.0 qualifiers.

During sampling, CQCRs were prepared to log all daily activities and to provide a record of any deviations from the approved SAP. These CQCRs contain all completed field sampling forms (from Appendix B of the Final PMWP [FPM, September 2008]), calibration data, signed Chains

of Custody (CoCs), and applicable health and safety forms (Appendix A of the final PMWP). The CQCRs are included in this Annual PM report in Appendix A.

Groundwater sampling was completed in accordance with the Site Safety and Health Plan (SSHP), Long-Term Monitoring Program (FPM, June 2003), Accident Prevention Plan (Parsons, June 2006), and operating requirements from the Remedial Action Work Plan (RAWP) (Parsons, July 2008) to ensure that the most conservative approach towards workers' health, site safety and protection of the environment is utilized. Project health and safety forms were completed during sampling and are included in the daily CQCRs.

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2 Landfill 6 TCE Site

2.1 Site Background

The Landfill 6 TCE Site plume is located downgradient to the west of Landfill 6. The most contaminated portion of the plume is located southwest of the landfill beneath the floodplain of Three Mile Creek (TMC). Contaminants exceeding New York State (NYS) Class GA Groundwater Standards (NYSDEC, June 1998) are TCE, dichloroethene (DCE), and vinyl chloride (VC). In March 2004, the maximum TCE concentration was 2,140 micrograms per liter (µg/L) and the maximum DCE concentration was 346 µg/L. Both of these maximums were detected in wells located within a 1,600-square-foot (sq. ft.) area centered around well LF6MW-12 as shown on Figure 2-1 (EEEPC, February 2008).

The contaminated aquifer is comprised of silty sands with an average saturated thickness of 61 ft. Contamination is not present in the bedrock. Due to a flat gradient, groundwater velocities at this site have been estimated at less than 4 ft. per year. In general, the direction of groundwater flow at the site is southwest. Groundwater studies at the site found relatively aerobic conditions and low dissolved organic carbon (DOC) within the TCE/DCE plume. There is evidence that reductive dechlorination is occurring in a limited downgradient section of the plume (LF6VMW-26 and LF6MW-12) (EEEPC, February 2008).

Treatability studies were performed at Landfill 6 TCE Site consisting of a bench-scale study in June 2002 and a field pilot-scale study in November 2002 through November 2003 to evaluate the effectiveness of in-situ chemical oxidation (ISCO). The bench-scale study utilized potassium permanganate as the oxidant, resulting in successful reduction of TCE and DCE. The positive results prompted the field pilot-scale study where two rounds of injections occurred using six injection points located in the vicinity of LF6MW-12. The baseline results compared to the post-treatment analytical results showed that the initial injection had a minimal effect on the reduction of the contaminants and the majority of the oxidant reacted with the natural oxidant demand of the groundwater. The second injection resulted in a 50% total VOC reduction, after the initial sharp drop in VOC concentrations and the rebound in VOC concentrations afterwards. Based on these results, Landfill 6 TCE Site conditions are conducive for contaminants to be treated with ISCO (EEEPC, December 2006).

FPM sampled the Landfill 6 TCE Site on November 16, 2006 in accordance with the final Baseline Letter Work Plan (WP) (FPM, November 2006). FPM sampled six monitoring wells. The samples were analyzed for the following parameters: VOC, sulfate, DOC, and methane/ethane/ ethene (MEE). Field parameters collected were oxygen reduction potential (ORP), dissolved oxygen (DO), pH and water levels. EEEPC installed and sampled seven new monitoring wells. The samples collected by EEEPC were analyzed for VOC only. Results confirmed significant cis-1,2-DCE and TCE detections exceeding the NYS Class GA Groundwater Standards in a relatively small area centered around LF6MW-12. Results are

discussed in detail in the Final Monitoring Report, Baseline and Pre Design Investigation (PDI) 2 Sampling for OBGW AOC (FPM, August 2007).

A groundwater and surface water sampling event was performed from February through April 2007. This sampling event was performed in accordance with the Final WP for PDIs (EEEPC, July 2006). Five additional direct-push wells at Landfill 6 TCE (LF6TW-33 through LF6TW-38) were installed in February 2007 and sampled in April 2007. The results showed a relatively low concentration TCE plume with a smaller central area (hot spot) with much higher TCE concentrations. This hot spot is an approximately 1,600 sq. ft. area around monitoring well LF6MW-12. Detailed monitoring well results can be found in the Final Monitoring Report (FPM, August 2007).

2.2 Remedial Action Summary

The selected remedy for the Landfill 6 TCE Site is enhanced bioremediation. As listed in the final RAWP (Parsons, July 2008), this process is intended to increase biodegradation of the groundwater contaminants by injecting a vegetable oil emulsion. The vegetable oil emulsion increases the natural breakdown of the chemicals, reducing the concentration of contaminants.

The vegetable oil injection was performed at injection wells LF6IW-01 through LF6IW-06 in July 2008 (Figure 2-3) and again in August 2010. These injection wells are located in a cluster slightly upgradient of the cluster of monitoring wells in the hot spot (LF6MW-12, LF6MW-16, LF6MW-17, and LF6MW-20). In July 2008, an emulsion of 7,375 gallons of water, 156 gallons vegetable oil, 72 gallons of lactate, and 102 gallons of buffer solution was injected, as detailed in the table below.

Date	Injection Well	Volume water (gallons)	Volume veg. oil (gallons)	Volume lactate (gallons)	Volume buffer (gallons)
7/24/08	LF6IW-05	1,255	26	12	17
7/25/08	LF6IW-02	1,255	26	12	17
7/28/08	LF6IW-01	1,205	26	12	17
7/28-29/08	LF6IW-03	1,205	26	12	17
7/29/08	LF6IW-06	1,205	26	12	17
7/30-31/08	LF6IW-04	1,250	26	12	17
	Total:	**7,375**	**156**	**72**	**102**

In August 2010, an emulsion of 7,352 gallons of water, 490.8 gallons vegetable oil, and 312 gallons of buffer solution was injected as detailed in the table below.

Date	Injection Well	Volume water (gallons)	Volume veg. oil (gallons)	Volume buffer (gallons)
8/24/2010	LF6IW-01	1,155	79.2	52
8/25/2010	LF6IW-02	1,243	79.2	52
8/25/2010	LF6IW-05	1,243	79.2	52
8/26/2010	LF6IW-06	1,230	80.4	52
8/27/2010	LF6IW-04	1,231	84.6	52
8/27/2010	LF6IW-03	1,250	88.2	52
	Total:	**7,352**	**490.8**	**312**

One additional monitoring well (LF6MW-39) was installed by Parsons at the Landfill 6 TCE Site in July 2008 in accordance with the final RAWP (Parsons, July 2008).

2.3 PM Sampling Plan

Performance monitoring was conducted in accordance with the final PMWP (FPM, September 2008) and includes sampling of eight monitoring wells, five direct-push wells, and one surface water location as listed in Table 2-1 and as shown on Figure 2-1. Additionally, data is used from the Landfill 6 Long Term Monitoring (LTM) program for monitoring well LF6MW-12. All samples are analyzed for VOCs (EPA Method SW8260B), sulfate (EPA Method SW9056), DOC (Standard Method SM5310B), and MEE (EPA Method RSK-175). Field parameters collected are ORP, DO, pH, and water level. Additional, field measurements collected for temperature, conductivity and turbidity are for stability purposes before sample collection, and are not reported in Table 2-2. These measurements are provided on the completed well purging and sampling forms in Appendix A. Additional details on the sampling are provided in the PMWP (FPM, September 2008).

All performance monitoring was conducted by FPM personnel and all sampling documentation is provided in Appendix A. Performance monitoring was conducted quarterly for the first year following the initial injection in July 2008 and semi-annually after that. Any deviations from the final PMWP are detailed below.

2.4 Field Activities

Two semi-annual PM sampling rounds were performed in the Fall of 2012 on September 27, September 28 and October 1, 2012 and in the Spring of 2013 on April 15 and April 18, 2013. Daily field activities are summarized on CQCRs in Appendix A. Validated data are provided in Appendix B and the raw lab data are provided in Appendix C.

Groundwater samples were collected at the eight monitoring wells (LF6VMW-13R, -13RD, -26, LF6MW-16, -17, -20, -31, and -39) with dedicated bladder pumps in accordance with the USEPA Low Stress (Low Flow) Purging and Sampling Ground Water Sampling Procedure for

Region II (USEPA, March 1998). At the five direct-push wells (LF6TW-33, -34, -35, -36, and -38), the groundwater was evacuated with a check valve attached to tubing. Stability readings were collected from the evacuated water. After stability was reached, the tubing was removed and samples were collected with a disposable bailer. The one surface water location was sampled with a disposable plastic sampling bottle. Sediment interference during the surface water sample collection was minimized.

Several observations/deviations were made which are detailed below:

- In the Fall 2012 sampling round, at monitoring well LF6VMW-13RD, turbidity did not reach the typically observed value of 50 Nephelometric Turbidity Units (NTUs) or below. It stabilized at 60 NTU. All other parameters also reached stability and a sample was collected.
- In the Spring 2013 sampling round, at monitoring wells LF6VMW-13R and LF6MW-31, turbidity did not reach the typically observed value of 50 NTUs or below. LF6VMW-13R stabilized at 161 NTU and LF6MW-31 stabilized at 77 NTU. All other parameters also reached stability and a sample was collected.
- All direct-push wells in both sampling rounds had high turbidity levels and positive DO levels, even if the ORP readings were low or negative. This is not typically observed when conducting low-flow sampling and is likely the result of the purging procedure used on the direct push wells. This procedure raised DO levels rapidly. The DO measurements are considered rejected.

2.5 PM Results

2.5.1 Fall 2012

The Landfill 6 TCE Site PM sampling results are provided in Table 2-2. These results include the baseline sampling results collected in 2006-2007, the results of the first four quarterly PM sampling rounds and the semi-annual sampling rounds. The results are compared to the prior sampling round. All monitoring and direct-push wells identified in Table 2-1 were sampled in addition to LF6MW-20.

Samples collected from monitoring wells located within the hot spot (LF6MW-16, -17 and -20) showed cis- and trans-1,2-DCE, and TCE exceedances of the NYS Class GA Groundwater Standards. The reported concentrations for monitoring well LF6MW-16 remained consistent with past results; cis-1,2-DCE decreased from 171 µg/L to 130 µg/L, trans-1,2-DCE remained stable at 10.2 F µg/L (F - Analyte was positively identified above the Method Detection Limit (MDL), but the concentration is below the Reporting Limit (RL)) and TCE decreased from 849 µg/L to 632 µg/L. The reported concentrations for monitoring well LF6MW-17 showed a decrease for cis-1,2-DCE (from 328 µg/L to 229 µg/L), trans-1,2-DCE (from 132 µg/L to 114 µg/L) and TCE (from 245 µg/L to 194 µg/L). Monitoring well LF6MW-20 showed an increase in TCE concentrations (from 39.5 F µg/L to 157 µg/L) and showed a decrease in cis-1,2-DCE concentrations (from 1,430 µg/L to 699 µg/L) and trans-1,2-DCE concentrations (33.0 F µg/L to

25.5 F µg/L). In addition to the chlorinated solvent constituents, monitoring well LF6MW-17 had a benzene exceedance, and monitoring wells LF6MW-16, and -20 had exceedances for methylene chloride.

Significant methane levels were reported in monitoring wells LF6MW-16, -17 and -20 (8,400 µg/L, 1,400 µg/L and 13,000 µg/L, respectively). Sulfate increased at monitoring wells LF6MW-16 and -17, and decreased at LF6MW-20. DOC concentrations were between 1.6 milligrams per liter (mg/L) and 2.7 mg/L and appear to be decreasing. ORP levels were negative to strongly negative and DO readings were all 0.00 mg/L. pH levels decreased at the three monitoring wells with a range from 5.71 to 6.54.

Monitoring well LF6MW-31 showed stable readings for VOC detections, cis-1,2-DCE at 0.140 F µg/L and VC at 0.440 F µg/L. Methylene chloride was also detected at 0.200 FB µg/L (B- The result for the analyte was detected in a blank sample). Methane was stable (6.6 µg/L), DOC was stable (2.0 mg/L), and sulfate was stable (71 mg/L). ORP increased but remained negative at -91 millivolt (mV) (from -158 mV), DO remained constant at 0.00 mg/L and pH remained constant at 6.98.

Direct-push well LF6TW-33 results showed cis-1,2-DCE being stable at 71.3 µg/L and TCE decreasing to 127 µg/L from 204 µg/L. The methane concentration decreased to 100 µg/L (from 4,600 µg/L), DOC decreased to 2.4 mg/L (from 2.7 mg/L) and sulfate increased to 85 mg/L (from 79 mg/L). ORP remained negative at -49 mV, DO was stable at 11.00 mg/L and pH increased to 7.29 from 7.00.

Direct-push well LF6TW-34 showed an increasing exceedance for cis-1,2-DCE (63.8 µg/L from 46.1 µg/L), trans-1,2-DCE (27.8 µg/L from 17.9 µg/L), and TCE (230 µg/L from 156 µg/L). Methane decreased to 5.2 µg/L (from 7.9 µg/L), DOC decreased to 1.8 mg/L (from 2.7 mg/L), and sulfate increased to 74 mg/L (from 59 mg/L). ORP decreased to -32 mV (from -40 mV), DO increased to 3.50 mg/L (from 2.38 mg/L) and pH increased to 7.13 (from 6.38).

Direct-push well LF6TW-35 showed an increasing cis-1,2-DCE concentration (6.95 µg/L from 5.49 µg/L) and TCE concentration (29.6 µg/L from 25.1 µg/L). Methane increased to 6.6 µg/L (from 4.6 F µg/L), DOC decreased to 1.5 mg/L (from 2.1 mg/L) and sulfate decreased to 48 mg/L (from 54 mg/L). ORP increased and remained positive at 57 mV (from 6 mV), DO decreased to 2.79 mg/L (from 10.20 mg/L) and pH remained constant at 7.61.

Direct-push well LF6TW-36 (roughly 60 ft. away from the hot spot) showed an increasing cis-1,2-DCE exceedance (40.0 µg/L from 36.7 µg/L) and TCE exceedance (263 µg/L from 201 µg/L) Methane increased to 6.7 µg/L (from 2.1 F µg/L), DOC decreased to 0.98 F mg/L (from 1.6 mg/L), and sulfate decreased to 46 mg/L (from 51 mg/L). ORP increased and became positive at 51 mV (from -30 mV), DO increased to 4.01 mg/L (from 3.56 mg/L) and pH increased to 7.99 (from 7.54).

Monitoring well LF6TW-38 (approximately 120 ft. from the hot spot), showed an increasing cis-1,2-DCE concentration (52.3 µg/L from 36.8 µg/L) and TCE concentration (111 µg/L from 100 µg/L). Methane increased to 3.3 F µg/L (from non detect), DOC decreased to 0.63 F mg/L (from 1.2 mg/L) and sulfate was stable at 42 mg/L. ORP remained positive and increased to 123 mV (from 54 mV), DO increased to 3.98 mg/L (from 2.29 mg/L) and pH increased to 8.09 (from 7.75).

Monitoring well LF6VMW-26 (approximately 180 ft. from the hot spot), showed a decreased cis-1,2-DCE concentration (89.5 µg/L from 95.5 µg/L). Methylene chloride was also an exceedance at 5.25 B µg/L. Methane was non detect, DOC remained low at 0.67 F mg/L and sulfate was stable at 42 mg/L. ORP increased to -95 mV from -134 mV, DO decreased to 0.00 mg/L from 1.31 mg/L, and pH increased to 7.61 (from 7.31).

The downgradient wells (LF6VMW-13R, -13RD, and LF6MW-39) all had a VOC detection for methylene chloride. The only monitoring well with a methane detection (at 1.9 F µg/L) was LF6VMW-13RD, DOC concentrations were low, and sulfate concentrations were well below NYS groundwater standards. ORP readings were negative at all three downgradient wells (ranging from -122 mV to -106 mV), DO readings were all at 0.00 mg/L and all three monitoring wells have a pH between 7.51 and 7.89.

Surface water location LF6-SW1PM had no VOC detections. Methane remained stable at 7.7 µg/L, DOC increased to 3.0 mg/L (from 2.7 mg/L) and sulfate decreased to 32 mg/L (from 36 mg/L). ORP increased and remained positive at 101 mV (from 18 mV), DO decreased to 6.48 mg/L (from 9.25 mg/L) and pH remained stable at 7.77.

2.5.2 Spring 2013

The Landfill 6 TCE Site PM sampling results are provided in Table 2-2. These results include the baseline sampling results collected in 2006-2007, the results of the first four quarterly PM sampling rounds and the semi-annual sampling rounds. The results are compared to the prior sampling round. All monitoring and direct-push wells identified in Table 2-1 were sampled in addition to LF6MW-12 which was sampled on June 19, 2013 as part of the Landfill 6 LTM program and LF6MW-20.

Monitoring wells located within the hot spot (LF6MW-12, -16, -17 and -20) showed NYS Class GA Groundwater Standards exceedances for cis-, trans-1,2-DCE, and TCE. Additionally, monitoring well LF6MW-12 showed an increasing VC exceedance at 7.1 µg/L (from 4.1 µg/L). TCE increased (470 µg/L from 300 µg/L), cis-1,2-DCE increased (430 µg/L from 380 µg/L) and trans-1,2-DCE slightly increased (13 µg/L from 7.9 µg/L). Monitoring well LF6MW-16 showed decreasing concentrations for all three VOCs with cis-1,2-DCE at 116 µg/L (from 130 µg/L), trans-1,2-DCE at 9.25 F µg/L (from 10.2 F µg/L), and TCE at 575 µg/L (from 632 µg/L). Monitoring well LF6MW-17 remained stable for cis-1,2-DCE at 224 µg/L, trans-1,2-DCE at 104 µg/L and TCE concentrations at 204 µg/L. Additionally LF6MW-17 had an exceedance for

benzene at 1.60 F µg/L. Monitoring well LF6MW-20 had a decreasing exceedance for cis-1,2-DCE at 420 µg/L (from 699 µg/L) and trans-1,2-DCE at 18.2 F µg/L (from 25.5 F µg/L). TCE increased to 284 µg/L (from 157 µg/L).

The hot spot monitoring wells showed decreases in methane concentrations with LF6MW-16 at 7,300 µg/L, LF6MW-17 at 72 µg/L and LF6MW-20 at 7,600 µg/L (methane was not sampled at LF6MW-12). Sulfate at LF6MW-12 was stable at 43 mg/L, at LF6MW-16 sulfate increased to 71 mg/L (from 59 mg/L), at LF6MW-17 sulfate remained stable at 67 mg/L and at LF6MW-20 sulfate increased to 68 mg/L (from 53 mg/L). DOC concentration for LF6MW-12 remained stable at 3.2 mg/L while the other three monitoring wells were stable at around 2 mg/L. ORP levels were negative with LF6MW-12 at -206 mV, LF6MW-16 at -65 mV, LF6MW-17 at -1 mV and LF6MW-20 at -34 mV, and DO readings were consistently 0.00 mg/L. Monitoring wells LF6MW-12, -16, -17 and -20 have shown similar pH readings at 6.55, 6.93, 7.02 and 6.52, respectively.

Monitoring well LF6MW-31 showed stable VOC detections (cis-1,2-DCE at 0.140 F µg/L and VC at 0.510 F µg/L). Methane decreased to 5.9 µg/L from 6.6 µg/L. DOC remained stable at 2.0 mg/L and sulfate increased to 78 mg/L. ORP remained negative at -107 mV, DO remained constant at 0.00 mg/L, and pH remained stable at 7.01.

Direct-push well LF6TW-33 showed an increasing TCE exceedance (216 µg/L from 127 µg/L) and a decreasing cis-1,2-DCE at 52.6 µg/L (from 71.3 µg/L). Methane increased to 180 µg/L (from 100 µg/L), DOC remained stable at 2.3 mg/L and sulfate decreased to 76 mg/L (from 85 mg/L). ORP remained negative and decreased to -83 mV (from -49 mV), DO decreased to 1.53 mg/L (from 11.00 mg/L) and pH remained stable at 7.25.

Direct-push well LF6TW-34 showed a decreasing exceedances for cis-1,2-DCE (42 µg/L from 63.8 µg/L), trans-1,2-DCE (21.6 µg/L from 27.8 µg/L), and TCE (200 µg/L from 230 µg/L). Methane remained stable at 5.4 µg/L, DOC remained stable at 2.1 mg/L, and sulfate decreased to 69 mg/L (from 74 mg/L). ORP decreased to -69 mV (from -32 mV), DO increased to 5.11 mg/L (from 3.50 mg/L), and pH increased to 7.40 (from 7.13).

Direct-push well LF6TW-35 showed an increasing cis-1,2-DCE result of 9.14 µg/L (from 6.95 µg/L) and a stable TCE exceedance at 28.9 µg/L. Methane increased to 7.7 µg/L (from 6.6 µg/L), DOC was stable at 1.6 mg/L and sulfate remained stable at 45 mg/L. ORP decreased to 17 mV (from 57 mV), DO increased to 11.88 mg/L (from 2.79 mg/L) and pH decreased to 7.47 (from 7.61).

Direct-push well LF6TW-36 (roughly 60 ft. away from the hot spot) showed an increased cis-1,2-DCE exceedance (47.9 µg/L from 40.0 µg/L) and a decreased TCE exceedance (224 µg/L from 263 µg/L). Methane increased to 66 µg/L (from 6.7 µg/L), DOC decreased to 0.51 F mg/L (from 0.98 F mg/L) and sulfate decreased to 37 mg/L (from 46 mg/L). ORP decreased to 11 mV (from 51 mV), DO increased to 10.96 mg/L (from 4.01 mg/L) and pH remained stable at 7.83.

Monitoring well LF6TW-38 (approximately 120 ft. from the hot spot), showed a decreasing cis-1,2-DCE concentration (36.0 µg/L from 52.3 µg/L) and a decreasing TCE concentration (92.8 µg/L from 111 µg/L). Methane was stable at 2.4 µg/L, DOC was stable at 0.54 F mg/L and sulfate was stable at 39 mg/L. ORP decreased to 51 mV (from 123 mV), DO increased to 10.18 mg/L (from 3.98 mg/L) and pH remained stable at 7.97.

Monitoring well LF6VMW-26 (approximately 180 ft. from the hot spot), showed a decreasing cis-1,2-DCE concentration (68.8 µg/L from 89.5 µg/L). Methane was detected at 0.74 F µg/L, DOC was non detect and sulfate was stable at 46 mg/L. ORP remained stable at -95 mV, DO remained stable at 0.00 mg/L and pH was stable at 7.54.

Acetone was detected for the downgradient wells (LF6VMW-13R, -13RD, and LF6MW-39) with a B qualifier. These three wells also had varying methane detections ranging from non detect to 18 µg/L. DOC concentrations were low (non detect to 0.95 F mg/L) and sulfate concentrations were moderate (11 to 50 mg/L). ORP readings at LF6VMW-13R, and -13RD were negative (-119 mV and -99 mV, respectively) and the ORP reading at LF6MW-39 was positive (81 mV). DO readings were between 0.00 mg/L and 2.70 mg/L. All three wells showed stable pH between 7.08 to 7.67.

One VOC (acetone at 12.2 B µg/L) was detected at surface water location LF6-SW1PM but did not exceed the NYS Surface Water Standards. Methane increased to 13 µg/L (from7.7 µg/L), DOC was stable at 2.5 mg/L and sulfate was stable at 35 mg/L. ORP decreased to -54 mV (from 101 mV), DO increased to 15.56 mg/L (from 6.48 mg/L) and the pH increased to 8.27 (from 7.77).

2.6 Analysis and Discussion

Figure 2-1 shows four annual TCE plumes for the baseline in June 2006 TCE and the September 2010, 2011 and 2012 sampling rounds. Figure 2-2 shows four annual cis-1,2-DCE plumes for the baseline in June 2006 and the September 2010, 2011 and 2012 sampling rounds.

Three chlorinated VOCs exceeded the NYS Class GA Groundwater Standards during the Fall 2012 sampling round at the Landfill 6 TCE Site: cis-1,2-DCE, trans-1,2-DCE, and TCE and four chlorinated VOCs exceeded the NYS Class GA Groundwater Standards during the Spring 2013 sampling round at the Landfill 6 TCE Site: cis-1,2-DCE, trans-1,2-DCE, TCE, and VC. A relatively small hot spot exists with concentrations during the Fall 2012 sampling round at approximately 550 µg/L – 900 µg/L for the three VOCs combined, and concentrations during the Spring 2013 sampling round at approximately 550 µg/L – 950 µg/L for the four VOCs combined (Figures 2-3, 2-4, 2-5, and 2-12). Please note that high TCE and DCE concentrations necessitate sample dilutions that may mask the presence of VC because it was diluted out and could not be reported due to elevated detection limits as a result of the dilutions.

Chlorinated VOC concentrations have fluctuated and appear to have been reduced to half while showing a significant conversion from TCE to DCE in the hot spot. Methane was reported at high levels in virtually all hot spot monitoring wells with a stable or increasing trend, where the highest concentrations were reported for monitoring wells LF6MW-16, -17, -20 and LF6TW-33. Upgradient temporary well LF6TW-33 had observed mounding in the water table, along with downgradient temporary well LF6TW-36.

DOC levels for wells within the hot spot (which was the area targeted for emulsified vegetable oil injection) have decreased to pre-injection levels. However, it is believed that enhanced bioremediation is still occurring. This is evidenced by the reported high methane levels in the hot spot. The most rapid enhanced bioremediation rates occur under methanogenic conditions.

The residual material found in LF6MW-12 during the June 20, 2012 sampling event as part of the Landfill 6 LTM program apparently biodegraded. The June 19, 2013 sampling event recorded the groundwater as clear with a strong sulfur odor. The residual was assumed to be soybean oil consisting of proteins and long chain fatty acids that remain for a longer period of time than the easily degradable short chain fatty acids.

Sulfate levels across the site were generally high and stable (11 mg/L - 85 mg/L), which suggests that sulfate as an electron acceptor, is not competing with reductive dechlorination. However, sulfur odor was observed in the hot spot during the Fall 2012 and Spring 2013 sampling round, where it is most likely that sulfate is being reduced due to the vegetable oil injection.

ORP levels were typically negative to strongly negative across the site with the lower readings reported in wells in the hot spot. DO levels were typically low (0.00 – 2.70 mg/L) across the site, except for the direct-push monitoring wells, which showed higher DO levels up to 11.88 mg/L, likely due to the purging/sampling procedure. pH levels varied between 5.71 to 8.09. These pH levels are optimal for reductive dechlorination, because the highest microbial dechlorination rate is normally observed in the near-neutral pH range of 6.5–7.5 and maintaining pH in the near-neutral range, i.e., 6–8 is typically recommended.

2.6.1 Trend Chart

Trend charts were prepared which included VC, cis-1,2-DCE, and TCE and total VOCs (all three COCs combined plus trans-1,2-DCE, 1,1,1- trichloroethane [TCA], 1,1-DCE and 1,2-dichloroethane [DCA]) versus time. The trend charts are provided in Figures 2-4 through 2-13. Other VOCs exceeding the NYS Class GA Groundwater Standards were excluded from trending. These VOCs were not deemed COCs because they were products formed during enhanced bioremediation (acetone, 2-butanone), artifacts from well installation (chloroform), reported in the laboratory quality control blank samples (methylene chloride), or one-time minor detections (benzene, methyl tert butyl ether [MTBE]). The trend charts include all analytical results from previous investigations for the monitoring wells at the Landfill 6 Site, dating back to 2002. The trend charts include DOC, which could assist in explaining possible changes in COC

concentrations. Monitoring wells LF6MW-31, -39, LF6VMW-13R, and -13RD are not included in the trend charts because they had no or only minor VOC detections. The trend charts also show the different injection events (permanganate and vegetable oil emulsion) which occurred at the site.

The trend charts in Figures 2-4 through 2-13 show an overall decreasing trend in total VOC results between 2004 and 2013, especially for wells with higher COC levels (LF6MW-12, -16, -17 and -20 inside the hot spot). Typically, the wells in the hot spot (LF6MW-12, -17 and -20) show an increase in cis-1,2-DCE concentrations in relation to a decrease in the parent compound, TCE, due to reductive dechlorination.

2.7 Conclusion

The carbon substrate from the injection events in July 2008 and August 2010 created a highly anaerobic groundwater zone of methanogenic conditions. Methanogenic conditions are conducive to the most rapid anaerobic dechlorination rates. Dechlorination was observed due to increasing levels of cis-1,2-DCE in the hot spot, which is the breakdown product of TCE via reductive dechlorination. However, in the last two sampling rounds cis-1-2-DCE concentrations have appeared to become stable. Monitoring well LF6MW-12 had a VC exceedance also indicating reductive dechlorination. Overall the site appears to have a slightly decreasing total VOC trend in the injection area.

The project goal for the landfill 6 TCE Site is to reduce the hot spot to below 500 µg/L total VOCs. Vegetable oil injections have the desired effect but seem to persist for a limited time. The residual vegetable oil in LF6MW-12 was not observed and is assumed to have completely biodegraded. Once the injected substrate is reduced, DOC concentrations decline and reductive dechlorination rates slow down. Additional enhanced bioremediation applications are typically implemented when these conditions are observed to add additional degradable organic substrate mass to the system. Therefore, a higher-concentration (i.e., less dilute and thus longer lasting) vegetable oil injection is planned for implementation in 2013.

The VOC concentrations detected in surface water samples were below the NYS Surface Water Standards.

The contingency plan implementation process was illustrated in Figure 12-1 of the Final RAWP and is briefly described below. Three pathways are described: are total VOCs in LF6MW-39 > 50 ppb and are VOC concentrations in LF6MW-13R increasing for two sampling events (i.e., is the plume migrating downgradient and potentially impacting surface water), are the total VOC concentrations in LF6TW-38 > 500 ppb (i.e., is the hot spot migrating downgradient), and are the total VOC concentrations above the anticipated concentrations in the monitoring well network (i.e., is there a new source). Each pathway has different steps (additional sampling, project team discussions, additional injections, in-situ bioreactor, etc.) to follow in the contingency plan (Parsons, July 2008).

Per the Final PMWP (FPM, September 2008), future sampling for the next year at the Landfill 6 TCE Site continues semi-annually in the Fall of 2013 and the Spring of 2014. Due to the planned vegetable oil injection, no changes to the PM network or sampling frequency are recommended.

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3 Building 817/WSA Site

3.1 Site Background

The Building 817/WSA Site is located on the north side of the main runway between Building 817 and the culverted section of Six Mile Creek (SMC) south of the former weapon storage area (WSA). Building 817 was formerly used for electronic parts maintenance. Perchloroethylene (PCE) and TCE were solvents used in small quantities at this location. The contaminants exceeding NYS Class GA Groundwater Standards are PCE and TCE. In September 2004, the maximum PCE concentration was 72 µg/L and the maximum TCE concentration was 90 µg/L. Site groundwater flows in south-southwesterly direction toward the culverted section of SMC. The contaminated aquifer is composed of relatively uniform fine sands that begin 5 ft. bgs and extend to shale bedrock at approximately 20 to 25 ft. bgs. Contamination is not found in the bedrock. Groundwater velocities at this site have been estimated as high as 110 ft. per year. In September 2004, a TCE concentration of 90 µg/L was detected in downgradient well WSA-VMW17, shown on Figure 3-1. The TCE/PCE plume does not contain other petroleum-based organics to stimulate reductive dechlorination. There is no significant cis-1,2-DCE in the plume (EEEPC, February 2008).

Treatability studies were performed at Building 817/WSA to evaluate ISCO effectiveness at the site. In June 2002, a bench-scale study was performed which evaluated potassium permanganate as the oxidant. The bench-scale study resulted in successful reduction of PCE and TCE. Based on those successful reductions, a subsequent field pilot-scale study was performed in November 2002; one round of injections in the vicinity of WSA-MW11 (located adjacent to WSAMW-16) was performed. The baseline results compared to the post-treatment analytical results indicated an estimated reduction in TCE and PCE of 47% and 36% respectively after rebound. It appears that a lithological preferential pathway surrounding the injection points is present at the Building 817/WSA Site, therefore advection occurred through gravely till layers moving the oxidant away from the treatment zone (EEEPC, December 2006).

In October/November 2006, FPM and EEEPC performed sampling at the Building 817/WSA Site in accordance with the final Baseline Letter WP (FPM, November 2006). The sampling was performed so that sampling did not interfere with the planned PDI field work performed at the same time (October 2006). The PDI field work included MW installation and a membrane interface probe (MIP) investigation to investigate the suspected source area near Building 817.

FPM sampled five monitoring wells at the Building 817/WSA Site. The samples were analyzed for the following parameters: VOC, sulfate, DOC, and MEE. Field parameters collected were ORP, DO, and pH. EEEPC installed and sampled four monitoring wells and Parsons installed and sampled three monitoring wells. The samples collected by EEEPC and Parsons were analyzed for VOC only. Results confirmed the PCE and TCE detections exceeding NYS Class GA Groundwater Standards within the plume. Results are discussed in detail in the Final Monitoring Report (FPM, August 2007).

Additional sampling was performed February 2007, to monitor the effect of an initial soybean oil emulsion/high fructose corn syrup injection in October 2006. This injection was a 1,000-gallon mixture containing 143 pounds of a 60% soybean oil emulsion, 150 pounds of an 80% high fructose corn syrup, and drinking water. FPM collected four samples at B817-MW-001 through B817-MW-003 and monitoring well WSA-MW18 in February 2007. The analytical results showed PCE and TCE contamination extending from Building 817 to monitoring well WSA-VMW17. Monitoring well results are summarized in Table 3-2 and detailed results are reported in the Final Monitoring Report (FPM, August 2007).

3.2 Remedial Action Summary

The selected remedy for the Building 817/WSA Site is enhanced bioremediation. As listed in the final RAWP (Parsons, July 2008), this process is intended to increase biodegradation of the groundwater contaminants by injecting a vegetable oil emulsion into the ground. The vegetable oil emulsion increases the biological breakdown of the chemicals, thereby reducing the concentration of contaminants.

The vegetable oil was injected at the Building 817/WSA Site in injection wells B817IW-1 through B817IW-8 in July 2008 and again in August 2010. These injection wells are located in a row approximately 10 ft. downgradient of the southwesterly corner of Building 817. In July 2008, an emulsion consisting of 25,834 gallons of water, 720 gallons vegetable oil and 360 gallons of buffer solution was injected as shown below.

Date	Injection Well	Volume water (gallons)	Volume veg. oil (gallons)	Volume buffer (gallons)
7/15-18/08	B817IW-07 and -08	6,733	180	90
7/17-18/08	B817IW-03 and -04	6,293	180	90
7/18-21/08	B817IW-01 and -02	6,501	180	90
7/21-22/08	B817IW-05 and -06	6,307	180	90
	Total:	**25,834**	**720**	**360**

In August 2010, an emulsion of 24,017 gallons of water, 2,066.6 gallons of vegetable oil, and 745.2 gallons of buffer solution was injected as shown below.

Date	Injection Well	Volume water (gallons)	Volume veg. oil (gallons)	Volume buffer (gallons)
8/12/2010	B817IW-01 and -02	6,001	515.6	186.2
8/13/2010	B817IW-03 and -04	6,003	517	186.4
8/16/-19/2010	B817IW-05 and -06	6,004	517	186.2
8/17-18/2010	B817IW-07 and -08	6,009	517	186.4
	Total:	**24,017**	**2,066.6**	**745.2**

3.3 PM Sampling Plan

Performance monitoring was conducted in accordance with the final PMWP (FPM, September 2008) and includes sampling of nine monitoring wells as listed in Table 3-1 and as shown in Figure 3-1. All groundwater samples are analyzed for VOCs (EPA Method SW8260B), sulfate (EPA Method SW9056), DOC (Standard Method SM5310B), and MEE (EPA Method RSK-175). Field parameters collected are ORP, DO, pH, and water level. Field measurements collected for temperature, conductivity and turbidity are for stability purposes before sample collection, and are not reported in the results Table 3-2. These measurements are provided on the completed well purging and sampling forms in Appendix A.

All performance monitoring was conducted by FPM personnel and all sampling documentation is provided in Appendix A. Performance monitoring was conducted quarterly for the first year following the initial injection in July 2008 and semi-annually after that. Any deviations from the final PMWP are detailed below.

3.4 Field Activities

Two semi-annual PM sampling rounds were performed in the Fall of 2012 on September 26, September 27 and October 1, 2012 and in the Spring of 2013 on March 13, March 14 and March 15, 2013. Daily field activities are summarized on CQCRs which are provided in Appendix A. Validated data are attached in Appendix B and raw lab data are provided in Appendix C.

Groundwater samples were collected at all nine monitoring wells shown in Table 3-1 with dedicated bladder pumps in accordance with the USEPA Low Stress (Low Flow) Purging and Sampling Ground Water Sampling Procedure for Region II (USEPA, March 1998). Additional samples were planned for piezometers B817-MW-001, -002, and -003. These were additional design samples whose results would assist in making remedy decisions.

Several observations were made which are detailed below:

- In the Fall 2012 sampling round, at piezometers B817-MW-001 and -003, turbidity did not reach the typically observed value of 50 NTUs or below. The turbidity for these piezometers ranged from 780 NTU to above the measurable range of the water quality meter. All other parameters including turbidity reached stability and a sample was collected.
- In the Fall 2012 sampling round, B817-MW-001 and -002 were purged dry and a sample was collected after 80% recharge occurred.
- In the Spring 2013 sampling round, at piezometer B817-MW-002, turbidity did not reach the typically observed value of 50 NTUs or below. B817-MW-002 stabilized at 112 NTU. All other parameters also reached stability and a sample was collected.

3.5 PM Results

3.5.1 Fall 2012

The Building 817/WSA Site sampling results are provided in Table 3-2. These results include the baseline sampling results collected in 2006, the results of the first four quarterly PM sampling rounds and the semi-annual sampling rounds. All wells identified in Table 3-1 were sampled. Results are discussed from upgradient (WSA-MW8) to downgradient near SMC (WSA-MW9). The results are compared to the prior sampling round.

Monitoring well WSA-MW8 results showed that TCE increased to 3.31 µg/L (from 1.82 µg/L) and PCE remained stable at 0.110 F µg/L. Methane and DOC were non detect and sulfate was stable at 4.2 mg/L. ORP increased to 203 mV (from 186 mV), DO decreased to 5.01 mg/L (from 6.71 mg/L) and pH increased to 7.60 (from 7.46).

Monitoring well WSA-MW18 had two VOC exceedances: PCE increased to 39.7 µg/L (from 29.5 µg/L) and TCE increased to 30.8 µg/L (from 28.5 µg/L). Four additional VOC detections were reported (cis-1,2-DCE stable at 0.690 F µg/L, 1,1,1- TCA stable at 0.150 F µg/L, chloroform at 0.110 F µg/L and methylene chloride at 0.170 F µg/L); none exceeded the NYS Class GA Groundwater Standards. Methane and DOC were non detect and sulfate remained stable at 9.0 mg/L. ORP increased to 209 mV (from 117 mV), DO decreased to 3.44 mg/L (from 5.91 mg/L) and pH increased to 7.97 (from 7.40).

Monitoring well WSA-MW16 had two VOC exceedances: PCE increased to 40.3 µg/L (from 26.7 µg/L) and TCE increased to 29.4 µg/L (from 22.9 µg/L). Three additional VOC detections were reported (1,1,1-TCA at 0.250 F µg/L, cis-1,2-DCE at 0.610 F µg/L and methylene chloride at 0.180 F µg/L); none exceeded the NYS Class GA Groundwater Standards. Methane and DOC were non detect and sulfate remained stable at 8.1 mg/L. ORP increased to 210 mV (from 129 mV), DO decreased to 4.35 mg/L (from 5.60 mg/L) and pH increased to 7.67 (from 6.99).

Monitoring well WSA-MW19 had two VOC exceedances: PCE increased to 42.5 µg/L (from 31.6 µg/L) and TCE increased to 52.4 µg/L (from 44.2 µg/L). Four additional VOC detections were reported (1,1,1-TCA at 0.230 F µg/L, acetone at 1.13 F µg/L, cis-1,2-DCE at 0.190 F µg/L and methylene chloride at 0.180 F µg/L); none exceeded the NYS Class GA Groundwater Standards. Methane and DOC were non detect and sulfate was stable at 8.3 mg/L. ORP decreased to 209 mV (from 238 mV), DO decreased to 6.34 mg/L (from 9.54 mg/L) and pH increased to 7.64 (from 6.69).

Monitoring well WSA-VMW17 had two VOC exceedances: PCE decreased to 13.4 µg/L (from 10.8 µg/L) and TCE increased to 17.3 µg/L (from 12.1 µg/L). Two additional VOC detections were reported (cis-1,2-DCE at 0.180 F µg/L and methylene chloride at 0.170 F µg/L) but none exceeded the NYS Class GA Groundwater Standards. Methane was non detect, DOC was

detected at 0.63 F µg/L and sulfate remained stable at 5.7 mg/L. ORP remained stable at 240 mV, DO decreased to 4.21 mg/L (from 5.12 mg/L) and pH increased to 7.07 (from 6.06).

Crossgradient monitoring well LAWMW-9 results showed a decreasing TCE concentration at 4.96 µg/L (from 5.03 µg/L). Two additional VOCs were detected (methylene chloride at 0.170 F µg/L and PCE at 0.300 F µg/L) but they did not exceed the NYS Class GA Groundwater Standards. Methane was detected at 9.0 µg/L, DOC decreased to 0.53 F mg/L (from 1.0 mg/L) and sulfate remained stable at 8.2 mg/L. The ORP reading increased to 202 mV (from 185 mV), DO remained stable at 0.89 mg/L, and the pH increased to 8.01 (from 7.36).

Crossgradient monitoring well WSA-MW23 had two minor detections (acetone at 2.79 F µg/L and methylene chloride at 0.190 F µg/L). Methane increased to 430 µg/L (from 94 µg/L), DOC remained stable at non detect and sulfate remained stable at 11 mg/L. ORP increased to -35 mV (from -88 mV), DO was stable at 0.00 mg/L, and pH increased to 8.15 (from 7.85).

Monitoring well WSA-MW21 had one decreasing TCE exceedance at 10.3 µg/L (from 18.6 µg/L). Three additional VOCs were detected (PCE at 0.710 F µg/L, acetone at 1.06 F µg/L and methylene chloride at 0.180 F µg/L) but they did not exceed the NYS Class GA Groundwater Standards. Methane increased to 7 µg/L (from non detect), DOC remained at non detect and sulfate increased to 22 mg/L (from 9.6 mg/L). ORP remained stable at 212 mV, DO increased to 7.28 mg/L (from 6.71 mg/L), and pH increased to 7.86 (from 6.71).

Downgradient monitoring well WSA-MW9 had two VOC detections (acetone at 4.02 F µg/L and methylene chloride at 0.600 F µg/L) but they did not exceed the NYS Class GA Groundwater Standards. Methane and DOC were non detect and sulfate remained stable at 17 mg/L. ORP reading increased to 163 mV (from 152 mV), the DO remained stable at 0.00 mg/L and the pH increased to 7.80 (from 7.27).

Direct push wells B817-MW-001, -002 and -003 were sampled for DOC analysis only and DOC results were 150 mg/L, 160 mg/L and 0.91 F mg/L, respectively. B817-MW-001 had an ORP of -99 mV, a DO concentration of 7.33 mg/L and a pH of 6.41. B817-MW-002 had an ORP of 24 mV, a DO level of 2.06 mg/L and a pH of 6.38. Lastly, B817-MW-003 had an ORP of -90 mV, a DO level of 2.11 mg/L and a pH of 7.13.

3.5.2 Spring 2013

The Building 817/WSA Site sampling results are provided in Table 3-2. These results include the baseline sampling results collected in 2006, the results of the first four quarterly PM sampling rounds and the semi-annual sampling rounds. All wells identified in Table 3-1 were sampled during this sampling round. Results are discussed from upgradient (WSA-MW18) to downgradient near SMC (WSA-MW9). The results are compared to the prior sampling round.

Monitoring well WSA-MW18 had two VOC exceedances: PCE decreased to 31.4 µg/L (from 39.7 µg/L) and TCE remained stable at 30.6 µg/L. Two additional VOC detections were reported (1,1,1-TCA at 0.340 F µg/L and acetone at 1.68 FB µg/L) which did not exceed the NYS Class GA Groundwater Standards. Methane was non detect, DOC remained at non detect and sulfate increased to 12 mg/L (from 9.0 mg/L). ORP decreased to 19 mV (from 209 mV), DO increased to 5.69 mg/L (from 3.44 mg/L) and pH decreased to 7.43 (from 7.97).

Monitoring well WSA-MW16 had two VOC exceedances: PCE decreased to 32.6 µg/L (from 40.3 µg/L) and TCE increased to 34.0 µg/L (from 29.4 µg/L). Three additional VOC detections were reported (1,1,1-TCA at 0.320 F µg/L, acetone at 15 B µg/L and cis-1,2-DCE at 0.170 F µg/L) but none exceeded the NYS Class GA Groundwater Standards. Methane and DOC were non detect and sulfate increased to 9.5 mg/L (from 8.1 mg/L). ORP decreased to 104 mV (from 210 mV), DO increased to 6.39 mg/L (from 4.35 mg/L), and pH decreased to 7.31 (from 7.67).

Monitoring well WSA-MW19 had two VOC exceedances: PCE decreased to 33.9 µg/L (from 42.5 µg/L) and TCE decreased to 41.8 µg/L (from 52.4 µg/L). Three additional VOC detections were reported (1,1,1-TCA at 0.190 F µg/L, acetone at 11.4 B µg/L and cis-1,2-DCE at 0.140 F µg/L) but none exceeded the NYS Class GA Groundwater Standards. Methane and DOC were non detect and sulfate remained stable at 8.5 mg/L. ORP decreased to 39 mV (from 209 mV), DO decreased to 2.42 mg/L (from 6.34 mg/L), and pH increased to 7.82 (from 7.64).

Monitoring well WSA-VMW17 had two VOC exceedances: PCE decreased to 8.85 µg/L (from 13.4 µg/L) and TCE decreased to 12.6 µg/L (from 17.3 µg/L). Two additional VOC detections were reported (acetone at 5.58 FB µg/L and cis-1,2-DCE at 0.130 F µg/L) but they did not exceed the NYS Class GA Groundwater Standards. Methane was non detect, DOC remained stable at 0.61 F mg/L and sulfate remained stable at 5.6 mg/L. ORP decreased to 94 mV (from 240 mV), DO increased to 7.46 mg/L (from 4.21 mg/L), and pH remained stable at 7.06.

Monitoring well WSA-MW21 had one stable TCE exceedance at 10.1 µg/L. Three additional VOC detections were reported (acetone at 8.30 FB µg/L, cis-1,2-DCE at 0.140 F µg/L and PCE at 0.610 F µg/L) but they did not exceed the NYS Class GA Groundwater Standards. Methane was stable at 6.7 µg/L, DOC was non detect and sulfate decreased to 18 mg/L (from 22 mg/L). ORP decreased to 73 mV (from 212 mV), DO decreased to 0.00 mg/L (from 7.28 mg/L), and pH remained stable at 7.85.

Downgradient monitoring well WSA-MW9 had one minor VOC detection (acetone at 4.70 FB µg/L). Methane and DOC were non detect, sulfate increased to 20 mg/L (from 17 mg/L), ORP decreased to 4 mV (from 163 mV), DO remained stable at 0.00 mg/L and the pH increased to 7.99 (from 7.80).

Direct push wells B817-MW-001, -002 and -003 were sampled for DOC analysis only and DOC results were 4.3 mg/L, 230 mg/L and 0.81 F mg/L, respectively. B817-MW-001 had an ORP of -90 mV, a DO concentration of 0.00 mg/L and a pH of 6.54. B817-MW-002 had an ORP of -

100 mV, a DO level of 0.00 mg/L and a pH of 6.15. Lastly, B817-MW-003 had an ORP of -103 mV, a DO level of 0.00 mg/L and a pH of 6.97.

3.6 Analysis and Discussion

Figure 3-1 shows annual TCE plumes for the baseline in November 2006 and the September 2010, 2011 and 2012 sampling rounds. Figure 3-2 shows annual PCE plumes for the baseline in November 2006 and the September 2010, 2011 and 2012 sampling rounds.

Monitoring wells along the center line of the plume (WSA-MW16, -MW18, -MW19, and -VMW17) had shown consistent exceedances for two VOCs (PCE and TCE) with slightly decreasing concentrations. Concentrations were relatively low (maximum 42.5 µg/L for PCE and 52.4 µg/L for TCE in the Fall 2012 sampling round at monitoring well WSA-MW19). The upgradient well WSA-MW8 did not have any VOC exceedances. Crossgradient monitoring wells WSA-MW23 and LAWMW-9 did not have any VOC exceedances. In addition, downgradient well WSA-MW21 continued to show a TCE exceedance during the Fall 2012 and Spring 2013 sampling rounds. The most downgradient well (WSA-MW9) did not have any VOC exceedances, which suggests that the plume has not reached SMC.

Methane was detected at monitoring wells LAWMW-9, WSA-MW21 and -MW23 with the highest concentrations reported in the last well (430 µg/L during the Fall 2012 sampling round). This methane distribution is surprising, as methane was detected at the outer fringes of the plume, but not at the centrally located monitoring wells, where methane would have been expected as a result of the vegetable oil injection causing reducing conditions. At the monitoring wells in and around the plume, ORP levels were generally positive and DO levels were generally elevated, which suggested that reducing conditions were not strong and therefore methane production may be limited. However, the three direct-push piezometers which are located directly up- and downgradient of the injection area (B817-MW-001, -002 and -003) generally had a negative ORP and a DO level of 0.00 mg/L indicating that reducing conditions appear only present in the immediate vicinity of the injection wells.

DOC levels were low for all monitoring wells, except for B817-MW-001 at 150 mg/L and B817-MW-002 at 160 mg/L in the Fall 2012 round. However, DOC decreased to 4.3 mg/L in the Spring 2013 round at B817-MW-001. Downgradient B817-MW-002 increased to 230 mg/L. Both these wells are located directly up- and downgradient of the row of injection wells. Sulfate levels were low for all monitoring wells and ranged from 4.2 mg/L to 22 mg/L where WSA-MW21 had the highest level during Fall 2012.

ORP levels were positive and high for all monitoring wells except WSA-MW23 in the Fall 2012 round only. However, ORP levels were negative for two piezometers in the Fall 2012 round (B817-MW-001 and -003) and all three piezometers in the Spring 2013 round (B817-MW-001, -002 and -003). DO levels were between 0.00 mg/L and 7.46 mg/L and pH levels were within the neutral range (6.15 to 8.15), which is conducive to enhanced bioremediation.

3.6.1 Trend Chart

As shown in Table 3-2, two VOCs exceeded the NYS Class GA Groundwater Standards at the Building 817/WSA Site: PCE and TCE. Both VOCs as well as Total VOC (which is the addition of all chlorinated VOCs) are shown in the trend charts in Figures 3-3 through 3-9. These charts include all analytical results from previous investigations for the monitoring wells at the Building 817/WSA Site, dating back to 1994. The different injection events which occurred at the site (permanganate, soybean oil/high fructose corn syrup, and vegetable oil) are also included. DOC concentrations are included to assist in explaining possible changes in COC concentrations.

As shown in Figure 3-1 and Figure 3-2, the highest VOC concentrations are reported in monitoring wells WSA-MW16, -MW18, -MW19 and to a lesser extent in WSA-VMW17. In the trend charts on Figures 3-3 through 3-9, these monitoring wells show an overall decreasing trend.

3.7 Conclusion

Two VOCs (PCE and TCE) have consistently been reported at numerous wells at the Building 817/WSA Site. Concentrations for PCE and TCE decrease downgradient of WSA-MW19 and further downgradient PCE ceased to be an exceedance and TCE concentrations only marginally exceeded the NYS Class GA Groundwater Standards. Concentrations were relatively low (maximum approximately 50 µg/L for each VOC). Overall the site has shown a slow decreasing trend in VOC concentrations. The most downgradient well (WSA-MW9) does not have any VOC detections, indicating that SMC is not impacted by the plume. No TCE degradation products have been observed.

The three piezometers (B817-MW-001, -002, and -003) appearance and olfactory observations during the Fall 2012 and Spring 2013 sampling event showed cloudy appearance with strong organic decay odor. Reducing conditions are present in these three piezometers, but these reducing conditions do not appear to be present downgradient of the injection zone. During purging in the Spring 2013 sampling event, the turbidity was lower and the appearance became clearer. Therefore, it is assumed that the vegetable oil residual from the injection has completely dissolved.

Per the Final PMWP (FPM, September 2008), sampling for the next year at the Building 817 Site is planned for semi-annual performance in the Fall of 2013 and the Spring of 2014.

4 Building 775 Site

4.1 Site Background

The Building 775 plume is located downgradient of former maintenance facilities in Buildings 774 and 776, and former fuel pump house Building 775. Although the source has not been identified, solvent use in Building 774 was thought to be a primary source of TCE contamination. Solvent use was widespread in these facilities in the 1950s, 1960s and early 1970s. The primary contaminant exceeding NYS Class GA Groundwater Standards is TCE with minor detections of 1,1,1-TCA and PCE. Monitoring well 775VMW-5, located near the corner of Building 776, is the only well that contains significant levels of TCE (99 µg/L in September 2004). Most of the Building 775 plume appears to have migrated south toward Landfill 6 as shown on Figure 4-1. In September 2004, the maximum TCE concentration was 134 µg/L (detected at well 775MW-20, located near the leading edge of the plume near Perimeter Road). TCE was detected at 132 µg/L in well 775VMW-10, which is also located near the leading edge of the plume near Perimeter Road. TCE in both of these wells was detected in the bottom half of the sandy aquifer in screened intervals from 88 to 120 ft. bgs. Monitoring well LF6MW-1 (not shown; located between 775MW-20 and 775VMW-10) is screened in the upper 10 ft. of the aquifer and does not have detectable TCE concentrations.

The contaminated aquifer is comprised of silty sands with an average thickness extending from 60 ft. bgs to 120 ft. bgs where shale bedrock is encountered. Due to a relatively flat gradient, average groundwater velocities at this site are slow and have been estimated at approximately 10 ft. per year. Higher velocities may exist in discontinuous seams of coarse sand and gravel. Contamination is not found in the bedrock. Groundwater studies at nearby Landfill 6 TCE Site found relatively aerobic conditions and low DOC concentrations. The general absence of cis-1,2-DCE in the Building 775 plume confirms that reductive dechlorination is not occurring (EEEPC, February 2008).

FPM and EEEPC sampled the Building 775 Site in November 2006 in accordance with the final Baseline Letter WP (FPM, November 2006). FPM sampled eight monitoring wells which were analyzed for VOCs only. EEEPC installed and sampled two new monitoring wells (775MW-27 and 775MW-28). Sampling confirmed that TCE is the main contaminant and that future sampling will monitor VOCs at the site. Detailed results are discussed in the Final Monitoring Report (FPM, August 2007).

4.2 Remedial Action Summary

The final RAWP (Parsons, July 2008) provides details on the selected remedy which is a groundwater extraction system with discharge to an off-site treatment facility. The groundwater extraction system is designed to contain the contaminated plume (> 50 µg/L) and extract the contaminants from the aquifer. Initially, one extraction well (775EW-1) was installed but deemed inappropriate for groundwater extraction. It was replaced by replacement extraction

well (775EW-1R) and an additional extraction well (775EW-3). 775EW-1 was converted to a monitoring well. 775EW-1R and 775EW-3 were connected with a force main and the extracted contaminated groundwater is discharged to the existing sanitary sewer system for treatment at the City of Rome Water Pollution Control Facility (WPCF).

The groundwater extraction and discharge system was started up on January 5, 2009. The system was fine tuned in January-March 2009 and has continued to operate since March 2009. The initial system design extraction pump rate of 4 gallons per minute (gpm) has decreased over the first year of operation and stabilized around 3.2 gpm. Table 4-3 provides an overview of the total volume of groundwater extracted including the average pump rate. Appendix D includes the annual operations and maintenance checklist for the groundwater extraction system. As shown in Figure 4-1, the size of the 50 µg/L TCE plume decreased significantly since 2006, but has remained stable during PM sampling.

One additional monitoring well (775VMW-19R) was installed to monitor the plume remediation, in accordance with the final RAWP (Parsons, July 2008).

4.3 PM Sampling Plan

Performance monitoring according to the Final PMWP (FPM, September 2008) includes sampling of eleven monitoring wells as listed in Table 4-1 and as shown in Figure 4-1 to evaluate the effectiveness of the remedial approach. Additionally, monitoring well 775EW-1 was sampled. All samples are analyzed for VOCs (EPA Method SW8260B). Field parameters according to the Final PMWP are water levels. In addition to the Final PMWP requirements, field measurements are collected for DO, ORP and pH for stability purposes before sample collection. Field measurements are also collected for temperature, conductivity and turbidity for stability purposes before sample collection, but these are not reported in Table 4-2. These measurements are provided on the completed well purging and sampling forms in Appendix A.

All PM sampling was conducted by FPM personnel and all sampling documentation was included in the associated CQCR (Appendix A). Performance monitoring was conducted quarterly for the first three quarters after groundwater extraction and discharge system installation in January 2009 and semi-annually after that. As part of the discharge permit, effluent sampling is performed every 90 days at the point of discharge. Any deviations from the work plan are detailed below.

4.4 Field Activities

Two semi-annual PM sampling rounds were performed in the Fall of 2012 on September 24 and September 25, 2012 and in the Spring of 2013 on March 11, 2013. Daily field activities are summarized on CQCRs which are provided in Appendix A. Validated data are attached in Appendix B and raw lab data are provided in Appendix C.

During these semi-annual PM sampling rounds, samples were collected via bladder pumps from all monitoring wells. The USEPA Low Stress (Low Flow) Purging and Sampling Ground Water Sampling Procedure for Region II (USEPA, March 1998) was used. The effluent sample was collected in the sewer manhole from the discharge pipe during the pump cycle. This flow was the combined flow from extraction wells 775EW-1R and 775EW-3. All field sampling forms were reviewed and no deviations were noted.

Two observations were made which are detailed below:

- In the Fall of 2012, the turbidity did not reach the typically observed value of 50 NTU or below at monitoring well 775EW-1. It stabilized around 216 NTU. All other parameters also reached stability and a sample was collected.
- In the Spring of 2013, the turbidity at monitoring well 775EW-1 did not reach the typically observed value of 50 NTU or below. It stabilized around 211 NTU. All other parameters also reached stability and a sample was collected.

4.5 PM Results

4.5.1 Fall 2012

All wells identified for semi-annual performance sampling in Table 4-1 were sampled with bladder pumps. The Building 775 sampling results are provided in Table 4-2. The table includes the baseline sampling results collected in 2006-2007, the quarterly PM sampling rounds and the semi-annual sampling rounds. The results are discussed below from upgradient (near Buildings 774 and 776) to downgradient (near Landfill 6). The results are compared to the prior sampling round.

Monitoring well 775VMW-4 had one VOC exceedance: TCE remained stable at 6.03 µg/L. Two additional minor VOC detections were reported for 1,1,1-TCA (0.180 F µg/L) and chloroform (0.610 µg/L). ORP increased to 199 mV (from 162 mV), DO increased to 4.59 mg/L (from 0.00 mg/L), and pH increased to 7.52 (from 7.35).

Monitoring well 775VMW-5 had one VOC exceedance: TCE decreased to 56.9 µg/L (from 62.8 µg/L). One additional minor VOC detection was reported for 1,1,1-TCA (0.320 F µg/L). ORP increased to 222 mV (from 161 mV), the DO remained stable at 6.90 mg/L, and the pH increased to 7.36 (from 7.16).

Monitoring well 775MW-27 had one stable TCE exceedance (21.8 µg/L) and two minor VOC detections for 1,1,1-TCA (0.430 F µg/L) and chloroform (1.56 µg/L). The ORP decreased to 119 mV (from 153 mV), DO decreased to 5.22 mg/L (from 7.05 mg/L), and the pH remained stable at 7.55.

Monitoring well 775EW-1 showed two minor VOC detections for 1,1,1-TCA (0.410 F µg/L) and chloroform (0.450 F µg/L). The ORP increased to 162 mV (from 49 mV), the DO increased to 7.19 mg/L (from 5.45 mg/L), and the pH remained stable at 7.58.

VOC results for monitoring well 775VMW-8 showed one increasing TCE exceedance at 25.8 µg/L (from 12.2 µg/L) and one small VOC detection for 1,1,1-TCA (0.390 F µg/L). ORP remained stabled at 173 mV, DO decreased to 0.00 mg/L (from 2.34 mg/L), and the pH increased to 7.72 (from 7.40).

Downgradient monitoring well 775MW-28 had one minor VOC detection for TCE at 1.12 µg/L and one minor detection for acetone at 2.99 F µg/L. The ORP decreased to 148 mV (from 180 mV), the DO decreased to 2.44 mg/L (from 7.67 mg/L) and the pH increased to 8.50 (from 7.72).

Downgradient monitoring well 775VMW-19R had one minor VOC detection for TCE at 0.150 F µg/L. ORP increased to 171 mV (from 98 mV), DO increased to 9.96 mg/L (from 6.73 mg/L), and the pH increased to 8.71 (from 7.95).

Downgradient monitoring well 775VMW-10 had one decreasing TCE exceedance at 41.5 µg/L (from 49.6 µg/L) and one minor VOC detection for 1,1,1-TCA (0.350 F µg/L). ORP increased to 190 mV (from 86 mV), DO increased to 7.93 mg/L (from 6.89 mg/L), and pH increased to 8.42 (from 7.73).

VOC results from downgradient monitoring well 775MW-20 showed one decreasing TCE exceedance at 12.2 µg/L (from 39.4 µg/L) and four minor VOC detections below the NYS Class GA Groundwater Standards: 1,1,1-TCA at 0.170 F µg/L, 1,1-DCA at 0.870 F µg/L, 1,1-DCE at 0.810 F µg/L and cis-1,2-DCE at 0.130 F µg/L. ORP increased (-49 mV from -77 mV), DO increased to 0.73 mg/L (from 0.22 mg/L), and pH increased to 8.23 (from 7.30).

Downgradient monitoring well 775VMW-20R did not have any VOC detections. ORP remained negative at -59 mV, DO increased to 1.91 mg/L (from 0.24 mg/L), and the pH increased to 8.33 (from 7.59).

Crossgradient monitoring well 775MW-6 had one stable TCE exceedance at 18.5 µg/L. Three additional VOC detections below NYS Class GA Groundwater Standards were reported for 1,1,1-TCA (0.160 F µg/L), chloroform (0.740 µg/L), and trichlorofluoromethane (0.270 F µg/L). ORP increased to 172 mV (from 144 mV), DO decreased to 1.01 mg/L (from 5.29 mg/L), and the pH increased to 7.63 (from 7.49).

Crossgradient monitoring well 775VMW-9 had two minor VOC detections; chloroform at 0.170 F µg/L and TCE at 0.510 F µg/L. ORP readings increased to 89 mV (from 15 mV), the DO increased to 4.62 mg/L (from 0.65 mg/L), and the pH increased to 8.49 (from 8.05).

The effluent sample had three VOC detections: TCE at 42.6 µg/L, 1,1,1-TCA at 0.390 F µg/L and chloroform at 0.520 µg/L. ORP increased to 201 mV (from 74 mV), DO decreased to 4.66 mg/L (from 5.81 mg/L), and the pH increased to 7.56 (from 6.04).

4.5.2 Spring 2013

All wells identified for semi-annual performance sampling in Table 4-1 were sampled with bladder pumps. The Building 775 sampling results are provided in Table 4-2. The table includes the baseline sampling results collected in 2006-2007, the three quarterly PM sampling rounds and the semi-annual sampling rounds. The results are discussed below from upgradient (near Buildings 774 and 776) to downgradient (near Landfill 6). The results are compared to the prior sampling round.

Monitoring well 775VMW-5 had one TCE exceedance which decreased to 53.1 µg/L (from 56.9 µg/L). Three additional minor VOC detections were reported for 1,1,1-TCA (0.240 F µg/L), acetone (10.3 FB µg/L) and methylene chloride (0.600 F µg/L). ORP decreased to 149 mV (from 222 mV), the DO decreased to 6.57 mg/L (from 6.90 mg/L), and the pH remained stable at 7.37.

Monitoring well 775MW-27 had three minor VOC detections for acetone (4.32 FB µg/L), chlorobenzene (0.170 F µg/L) and methylene chloride (0.520 F µg/L). The ORP remained stable at 112 mV, DO increased to 6.79 mg/L (from 5.22 mg/L), and the pH decreased to 7.44 (from 7.55).

VOC results for monitoring well 775EW-1 showed three minor VOC detections; 1,1,1-TCA was stable at 0.400 F µg/L, acetone at 6.13 FB µg/L and chloroform was stable at 0.540 F µg/L. The ORP decreased to 95 mV (from 162 mV), the DO increased to 8.08 mg/L (from 7.19 mg/L), and the pH decreased to 7.39 (from 7.58).

VOC results for monitoring well 775VMW-8 showed one decreasing TCE exceedance at 14.1 µg/L (from 25.8 µg/L) and two minor VOC detections for 1,1,1-TCA (0.260 F µg/L) and acetone 7.53 FB µg/L. ORP decreased to 103 mV (from 173 mV), DO increased to 3.24 mg/L (from 0.00 mg/L) and the pH remained stable at 7.73.

Downgradient monitoring well 775MW-28 had an increasing TCE exceedance at 7.41 µg/L (from 1.12 µg/L) and two detections; 1,1,1-TCE at 0.140 F µg/L (from non detect) and acetone at 10.6 B µg/L (from 2.99 F µg/L). The ORP decreased to 119 mV (from 148 mV), the DO increased to 7.10 mg/L (from 2.44 mg/L) and the pH decreased to 8.08 (from 8.50).

Downgradient monitoring well 775VMW-19R had one VOC detection for acetone at 12.6 B µg/L. ORP decreased to 109 mV (from 171 mV), DO decreased to 6.53 mg/L (from 9.96 mg/L), and the pH decrease to 7.96 (from 8.71).

Downgradient monitoring well 775VMW-10 had one decreasing TCE exceedance at 39.3 µg/L (from 41.5 µg/L) and three minor VOC detections for 1,1,1-TCA (0.370 F µg/L), acetone (13.9 B µg/L) and chloroform (0.220 F µg/L). ORP decreased to 52 mV (from 190 mV), DO decreased to 6.53 mg/L (from 7.93 mg/L) and pH increased to 8.87 (from 8.42).

VOC results from downgradient monitoring well 775MW-20 showed one increasing TCE exceedance at 20.2 µg/L (from 12.2 µg/L) and six minor VOC detections below NYS Class GA Groundwater Standards: 1,1,1-TCA at 0.330 F µg/L, 1,1-DCA at 1.32 µg/L, 1,1-DCE at 0.920 F µg/L, 1,2-DCA at 0.200 F µg/L, acetone at 15.9 B µg/L and cis-1,2-DCE at 0.160 F µg/L. ORP increased to 89 mV (from -49 mV), DO decreased to 0.54 mg/L (from 0.73 mg/L) and pH decreased to 7.53 (from 8.23).

Crossgradient monitoring well 775MW-6 had one decreasing TCE exceedance at 16.5 µg/L (from 18.5 µg/L). Four additional minor VOC detections below NYS Class GA Groundwater Standards were reported for 1,1,1-TCA (0.130 F µg/L), acetone (9.32 FB µg/L), chloroform (0.660 µg/L) and trichlorofluoromethane (0.200 F µg/L) ORP decreased to 93 mV (from 172 mV), DO increased to 4.25 mg/L (from 1.01 mg/L) and the pH remained stable at 7.60.

The effluent sample had four VOC detections: TCE at 36.8 µg/L, 1,1,1-TCA at 0.350 F µg/L, acetone at 2.05 FB µg/L and chloroform at 0.600 µg/L. ORP decreased to -18 mV (from 324 mV), DO decreased to 0.38 mg/L (from 11.04 mg/L) and the pH increased to 8.84 (from 6.15).

4.6 Analysis and Discussion

Figure 4-1 displays the baseline November 2006 TCE plume and the September 2010, 2011 and 2012 TCE plumes. One VOC exceedance was reported for the Building 775 Site: TCE exceeded the NYS Class GA Groundwater Standards at several monitoring wells. Several other VOCs (1,1,1-TCA, 1,1-DCA, 1,1-DCE, 1,2-DCA, acetone, chloroform, cis-1,2-DCE, and trichlorofluoromethane) were reported, but concentrations were low and never exceeded the NYS Class GA Groundwater Standards.

All TCE exceedances are in line with past results with a slightly decreasing trend in the trend charts for monitoring wells 775VMW-5 and 775MW-27, which are located directly in the capture zone of the two extraction wells. The exception is monitoring wells 775MW-20 and -28, where the concentrations fluctuate but overall have a stable trend. The TCE concentration in 775MW-28 increased to an exceedance from 1.12 µg/L (Fall 2012) to 7.41 µg/L (Spring 2013). Monitoring well 775MW-20 and -28 are not within the capture zone of the groundwater extraction and discharge system. The TCE concentration in the effluent has a slightly decreasing trend and was around 40 µg/L for the Fall 2012 and Spring 2013 sampling rounds.

ORP measurements are negative for two monitoring wells and positive for the rest with the readings ranging from -59 mV to 222 mV. The lowest reading was in downgradient monitoring well 775VMW-20R and the highest reading was in upgradient well 775VMW-5. DO levels

ranged from 0.00 mg/L to 9.96 mg/L. pH levels are within the circumneutral (5-9) range (7.36 to 8.87).

As shown in Table 4-3, the groundwater extraction rate has shown some variation. In the startup phase, the system was fine-tuned which caused varying extraction rates. Once the system was optimized in mid-January 2009, the extraction rate increased slightly from 3.5 to 4.4 gpm in mid May 2009. After mid May 2009, the extraction rate has shown a steady decrease to 2.8 gpm and then following, after May 2011, the extraction rate has shown a steady increase back to 3.4 gpm. Lastly, following June 2012 the extraction rates decreased to an average of 2.7 gpm. The overall average of the system is 3.2 gpm. After startup, the essentially flat groundwater table allowed for good recharge which was shown by the higher extraction rates in the first few months of operation. After May 2009, it appears that the extraction system reached equilibrium with the resulting cone of depression. Less water is reaching the extraction wells which resulted in lower groundwater extraction rates.

4.6.1 Trend Chart

As shown in Table 4-2, TCE is the only VOC exceeding the NYS Class GA Groundwater Standards at the Building 775 Site. Figures 4-2 through 4-11 show the TCE trend charts for most monitoring wells at the Building 775 Site. These charts include all analytical results from previous investigations for the monitoring wells at the Building 775 Site, dating back to 1997. Monitoring wells 775VMW-19R, 775VMW-20R, and 775EW-1 are not included in the trend charts, because no VOC exceedances were reported in these wells. These charts also show the start date of the groundwater extraction and discharge system. Groundwater elevations are also included, which could assist in explaining possible changes in COC concentrations.

The trend charts in Figures 4-2 through 4-11 show an overall decreasing or stable trend in TCE concentrations between May 2000 and Spring 2013.

4.6.2 MAROS Analysis

The use of statistical analysis was performed to optimize the monitoring well network at the Building 775 Site, post completion of the Operating Properly and Successfully (OPS) report (EEEPC, February 2012). The software used is the Monitoring And Remediation Optimization System (MAROS), developed for the Air Force Civil Engineer Center (AFCEC) to provide site managers with a strategy for formulating appropriate long-term groundwater monitoring programs that can be implemented at lower costs.

The MAROS results are located in Appendix F. The Mann-Kendall statistical analysis show a decreasing trend in in-well TCE concentrations for six monitoring wells (MWs), a stable trend for one MW, no trend for three MWs, and no trend or no detections for two MWs. The spatial moment analysis shows a decreasing mass although the trend confidence at 87.5% does not exceed the 90% threshold to be identified as a decreasing trend. The MAROS site results show

a potentially decreasing trend in tail and source stability and the recommended level of sampling effort is limited. The sampling location optimization showed that none of the wells can be removed from the sampling network. The sampling frequency optimization recommends that all MWs can be sampled at an annual frequency except MWs 775EW-1, 775VMW-9, 19R, and -20R which are recommended for biennial sampling frequency. The trends for these MWs were based on all non detect results (775EW-1 and 775VMW-20R) or no identifiable trend (775VMW-9 and 19R).

We recommend following the MAROS statistical analysis recommendation and the sampling frequency should be adjusted to annual for all MWs, except MWs 775EW-1, 775VMW-9, 19R, and -20R which should be sampled biennially.

4.7 Conclusion

TCE concentrations appear to be decreasing with some fluctuation at some monitoring wells. The Building 775 groundwater extraction and discharge system is operating as designed. Groundwater extraction rates showed a decreasing trend in the first year of operation as a result of the continued system operation and the resulting cone of depression. Extraction rates overall average is 3.2 gpm. The effluent sample results show that TCE is being effectively extracted from the Building 775 Site.

Based on the MAROS analysis identified trends in the TCE results at the Building 775 Site, revising the PM sampling frequency is recommended. Continued sampling is recommended at all monitoring wells, but the frequency should decrease to annual monitoring, ecept for monitoring wells 775EW-1, 775VMW-9, -19R, and -20R which shall be reduced to biennial sampling. Therefore, future sampling at the Building 775 Site is scheduled annually starting in September 2014 as shown in Table 4-1. No analysis list changes are recommended. Additionally, quarterly effluent sampling will continue to fulfill the requirements of the discharge permit.

5 Apron 2 Chlorinated Plume

5.1 Site Background

The chlorinated VOC contamination in the Apron 2 area is present as a plume approximately 2,800 ft. long and 500 ft. wide and appears to originate in the area of the nosedock wash water system near Building 786 (Figure 5-1). Chlorinated solvent use probably occurred in all nosedock facilities and multiple small sources could exist along floor drains, sewer lines, and oil water separators. There are three primary contaminants exceeding NYS Class GA Groundwater Standards: TCE, and its breakdown products cis-1,2-DCE and VC. The plume is commingled with several petroleum fuel plumes originating from the Apron 2 fueling system. At locations where TCE and fuel contaminants are commingled, significant reductive dechlorination is occurring and TCE is almost completely degraded to cis-1,2-DCE and VC. In April 2005, the maximum TCE concentration was 24 µg/L as detected in well 782VMW-97 (not shown). The level of TCE has been steadily decreasing and it appears that no significant source of TCE remains at the site. In April 2005, the maximum cis-1,2-DCE concentration was 54 µg/L in well 782MW-10, located in the plume in an area with commingled fuel contamination. The maximum VC concentration was 130 µg/L at well 782MW-96 which is also located in the center of fuel-contaminated groundwater. The commingled fuel plume is providing significant reductions in TCE and cis-1,2-DCE through well-documented reductive dechlorination processes. At many locations, MTBE and benzene are also present at levels exceeding NYS Class GA Groundwater Standards. MTBE and benzene plumes are being remediated under a separate contract (EEEPC, February 2008).

The contaminated aquifer is located at 9 to 25 ft. bgs with the shallow depth occurring in the vicinity of SMC. The aquifer is composed of several well-defined layers, including a silty-sand layer in the upper 5 ft., a 5 to 15-ft thick coarse sand and gravel layer in the middle of the aquifer, and a 15 to 20 ft. thick layer of till composed of fine sand, silt, and gravel resting on the shale bedrock. The total aquifer thickness ranges from 45 ft. in the source areas to less than 20 ft. in the downgradient areas near SMC. Although the site has a relatively flat gradient, the high hydraulic conductivity of gravel layers has produced an estimated average groundwater velocity of 106 ft. per year. This velocity seems reasonable given the 2,800 ft. the VOC plume has migrated. Monitored Natural Attenuation (MNA) with institutional controls and LTM was the selected remedy as detailed in the Final ROD for the On-Base Groundwater AOC (SD-52) (AFRPA, December 2008). Aerobic degradation of VC is occurring near the leading edge of the plume. However, VC in the southern plume has migrated eastward to well 782VMW-101 within 100 ft. of SMC (EEEPC, February 2008).

FPM sampled the Apron 2 Chlorinated Plume Site in November 2006 in accordance with the final Baseline Letter WP (FPM, November 2006). FPM sampled ten monitoring wells and three surface water locations. The samples were analyzed for the following parameters: VOCs, nitrate, chloride, sulfate, DOC, and total alkalinity. Sampling results confirmed the presence of TCE,

cis-1,2-DCE and VC as main contaminants. Ferrous iron was also field measured. Detailed results are discussed in the Final Monitoring Report (FPM, August 2007).

5.2 Remedial Action Summary

The final RAWP (Parsons, July 2008) specifies MNA as the selected remedy using the ongoing physical, chemical, and natural biological process that reduce the contaminants within the aquifer. Based on previous investigations and studies, it has been determined that natural attenuation is evident at the Apron 2 Chlorinated Plume Site. Three additional monitoring wells (782VMW-84D, 782VMW-121, and 782VMW-121D) were installed by Parsons in July 2008 to monitor the plume remediation, in accordance with the final RAWP (Parsons, July 2008).

5.3 PM Sampling Plan

Initially, performance monitoring according to the final PMWP (FPM, September 2008) included sampling of fifteen monitoring wells and three surface water sampling locations as shown on Figure 5-1. These sampling locations are outlined in Table 5-1 and are sampled to monitor the progress of the MNA remedy at the site. During the Fall 2012 sampling round, thirteen monitoring wells and three surface water sampling locations were sampled. During the Spring 2012 sampling round, eleven monitoring wells were sampled. All monitoring well samples collected are analyzed for VOCs (EPA Method SW8260B), nitrate, chloride, and sulfate (EPA Method SW9056), DOC (Standard Method SM5310B), and total alkalinity (Standard Method SM2320B). Field parameters collected are ORP, temperature, DO, pH, conductivity, turbidity, water levels, and ferrous iron. Field measurements collected for temperature, conductivity and turbidity are for stability purposes before sample collection and are not reported in the results Table 5-2. These measurements are provided on the completed well purging and sampling forms in Appendix A.

All performance monitoring was conducted by FPM personnel and all sampling documentation is included in the associated CQCRs (Appendix A). Performance monitoring was conducted quarterly for the first year starting with the Fall 2008 sampling round and semi-annually after that. Any deviations from the final PMWP are detailed below.

5.4 Field Activities

Two semi-annual PM sampling rounds were performed in Fall 2012 on September 25 and September 26, 2012 and Spring 2013 on March 12 and March 13, 2013. The Fall 2012 sampling round samples were collected from thirteen monitoring wells (782VMW-76, -78, -81, -84, -84D, -96, -100, -101, -105B, -121, -121D, 782MW-10, and AP2MW-3) and three surface water sampling locations (782SW-115, -118, and -119). The Spring 2013 sampling round samples were collected from eleven monitoring wells (782VMW-76, -78, -81, -84, -96, -100, -101, -105B, -121, -121D, and 782MW-10). All monitoring well samples were collected with dedicated bladder pumps according to the USEPA Low Stress (Low Flow) Purging and

Sampling Ground Water Sampling Procedure for Region II (USEPA, March 1998). The three surface water locations were sampled in the Fall 2012 sampling round with a disposable plastic sampling bottle. Sediment interference during the surface water sample collection was minimized. Daily field activities are summarized on daily CQCRs which are provided in Appendix A. The validated data are attached in Appendix B and the raw lab data are provided in Appendix C.

Several observations were made which are detailed below:

- In the Fall 2012 sampling round, monitoring wells 782VMW-76, -78, -100, -101, -121, -121D and 782MW-10 had turbidity levels that did not reach the typically observed value of 50 NTU or below. They stabilized around 73, 86, greater than the measurable range, 137, 109, 85 and 67 NTU, respectively. All other parameters stabilized and a sample was collected.
- In the Spring 2013 sampling round, monitoring wells 782VMW-78, -100, -105B, and -121 had turbidity levels that did not reach the typically observed value of 50 NTU or below. They stabilized around 81, 55, 58 and 130 NTU, respectively. All other parameters stabilized and a sample was collected.
- In the Fall 2012 sampling round, a high DO level was observed at monitoring well 782VMW-78 at 10.47 mg/L. In the Spring 2013 sampling round, the DO returned to the expected level at 0.43 mg/L.

5.5 PM Results

5.5.1 Fall 2012

The Apron 2 Chlorinated Plume sampling results are provided in Table 5-2. The table includes the baseline sampling results collected in 2006-2007, the first four quarterly PM sampling round results and the semi-annual sampling round results. The sampling results are listed in order from upgradient (near Building 786) to downgradient (near SMC). The results are compared to the prior sampling round.

The most upgradient monitoring well sampled (782VMW-105B) had one increasing TCE exceedance at 22.3 µg/L (from 9.24 M µg/L) (M – matrix effect is present). Four additional minor VOC detections below the NYS Class GA Groundwater Standards were reported (acetone at 1.66 F µg/L, cis-1,2-DCE at 1.96 µg/L, methylene chloride at 0.180 F µg/L and PCE at 0.320 F µg/L). DOC remained stable at 1.9 J mg/L (J - The quantification is estimated due to the inability to meet certain QA/QC criteria), alkalinity remained stable at 250 mg/L, chloride decreased to 3.8 mg/L (from 4.4 mg/L), nitrate remained stable at 0.15 F mg/L and sulfate decreased to 6.6 mg/L (from 7.3 mg/L). Field measurements showed that the ORP increased to -119 mV (from -181 mV), the DO decreased to 4.70 mg/L (from 6.60 mg/L), the pH increased to 7.24 (from 7.00) and ferrous iron increased to 4.4 mg/L (from 3.0 mg/L).

Further downgradient monitoring well 782VMW-81 showed two VOC exceedances: cis-1,2-DCE decreased to 25.5 µg/L (from 26.3 µg/L) and VC decreased to 2.61 µg/L (from 3.09 µg/L). Two minor VOC detections were reported for trans-1,2-DCE at 1.00 µg/L and TCE at 3.41 µg/L, which are below the NYS Class GA Groundwater Standards. DOC remained stable at 0.72 F mg/L, alkalinity remained stable at 220 mg/L, chloride remained stable at 16 mg/L, nitrate remained stable at non detect and sulfate was stable at 6.0 mg/L. Field measurements showed that the ORP increased to -50 mV from (-144 mV), the DO increased to 2.01 mg/L (from 1.52 mg/L), the pH increased to 7.94 (from 7.13) and ferrous iron remained at 0.6 mg/L.

Further downgradient monitoring well 782VMW-78 had two VOC exceedances: cis-1,2-DCE increased to 46.7 µg/L (from 40.9 µg/L) and VC increased to 6.38 µg/L (from 5.57 µg/L). One minor VOC detection below the NYS Class GA Groundwater Standards was reported for trans-1,2-DCE (3.94 µg/L). DOC remained at 1.4 mg/L, alkalinity remained stable at 230 mg/L, chloride remained stable at 10 mg/L, nitrate remained at non detect, and sulfate remained stable at 5.6 mg/L. Field measurements showed that the ORP increased and remained negative at -97 mV (from -136 mV), the DO increased to 10.47 mg/L (from 2.48 mg/L), the pH increased to 7.65 (from 7.13) and ferrous iron increased to 1.6 mg/L (from 1.2 mg/L).

Downgradient monitoring well 782VMW-76 had two VOC exceedances: VC remained stable at 9.54 µg/L and benzene increased to 2.23 µg/L (from 0.230 F µg/L). Three additional VOC detections below the NYS Class GA Groundwater Standards were reported for cis-1,2-DCE (0.740 F µg/L), MTBE (3.91 F µg/L) and trans-1,2-DCE (0.510 F µg/L). DOC decreased to 1.8 mg/L (from 2.9 mg/L), alkalinity decreased to 320 mg/L (from 350 mg/L), chloride remained stable at 35 mg/L, nitrate remained at non detect and sulfate increased to 1.3 mg/L (from non detect). Field measurements showed that the ORP increased to -100 mV (from -184 mV), the DO increased to 0.67 mg/L (from 0.00 mg/L), the pH increased to 7.63 (from 7.19) and ferrous iron increased to 3.6 mg/L (from 3.0 mg/L).

Further-downgradient monitoring well 782MW-10 had two VOC exceedances: cis-1,2-DCE increased to 37.9 µg/L (from 35.4 µg/L) and VC increased to 20.6 µg/L (from 18.4 µg/L). Five additional VOCs were detected below the NYS Class GA Groundwater Standards: 1,1-DCA at 0.360 F µg/L, acetone at 2.85 F µg/L, benzene at 0.440 F µg/L, MTBE at 0.250 F µg/L and trans-1,2-DCE at 3.31 µg/L. DOC decreased to 3.0 mg/L (from 5.5 mg/L), alkalinity remained stable at 250 mg/L, chloride remained stable at 12 mg/L, nitrate remained stable at non detect and sulfate remained stable at 0.62 F mg/L. Field measurements showed that the ORP increased to -101 mV (from -166 mV), the DO remained at 0.00 mg/L, the pH increased to 7.47 (from 6.95) and ferrous iron increased to 3.5 mg/L (from 2.0 mg/L).

Downgradient, within-plume monitoring well 782VMW-84 had one increasing VC exceedance at 35.8 µg/L (from 33.0 µg/L). Five additional VOCs were detected below the NYS Class GA Groundwater Standards: 1,1-DCA at 0.110 F µg/L, benzene at 0.260 F µg/L, cis-1,2-DCE at 0.820 F µg/L, MTBE at 1.03 F µg/L and trans-1,2-DCE at 0.190 F µg/L. DOC decreased to 3.8 mg/L (from 4.7 mg/L), alkalinity remained stable at 280 mg/L, chloride remained stable at 23

mg/L and nitrate and sulfate remained stable at non detect. Field measurements showed that the ORP increased to -129 mV (from -158 mV), the DO remained at 0.00 mg/L, the pH increased to 6.95 (from 6.78) and the ferrous iron remained at 3.0 mg/L.

Downgradient, within-plume monitoring well 782VMW-84D, located next to 782VMW-84 but with a deeper screen interval, had one increasing VC exceedance at 24.6 µg/L (from 22.9 µg/L). Five additional minor VOC detections were reported below the NYS Class GA Groundwater Standards: 1,1-DCA at 0.120 F µg/L, benzene at 0.310 F µg/L, cis-1,2-DCE at 0.420 F µg/L, MTBE at 1.88 F µg/L, and trans-1,2-DCE at 0.200 F µg/L. DOC remained stable at 4.2 mg/L, alkalinity remained stable at 310 mg/L, chloride decreased to 27 mg/L (from 150 mg/L), nitrate remained at non detect and sulfate increased to 1.2 mg/L (from non detect). Field measurements showed that the ORP increased to -99 mV (from -146 mV), DO remained at 0.00 mg/L, the pH remained stable at 6.94 and ferrous iron decreased to 3.0 mg/L (from 3.6 mg/L).

Downgradient monitoring well 782VMW-100 had one minor VOC detection (acetone at 1.57 F µg/L). DOC increased to 3.4 mg/L (from 3.1 mg/L), alkalinity increased to 330 mg/L (from 190 mg/L), chloride remained stable at 3.9 mg/L, nitrate remained at non detect, and sulfate increased to 140 mg/L (from 11 mg/L). Field measurements showed that the ORP increased and became positive to 101 mV (from -62 mV), DO remained at 0.00 mg/L, pH decreased to 6.94 (from 7.39) and ferrous iron increased to 0.4 mg/L (from 0.0 mg/L).

Adjacent downgradient monitoring well 782VMW-101 did not have any VOC exceedances. Three minor VOC detections were reported for VC at 0.590 F µg/L (from 1.02 µg/L), MTBE at 3.16 F µg/L (from 4.11 F µg/L) and methylene chloride at 0.190 F µg/L. DOC decreased to 2.0 mg/L (from 2.9 mg/L), alkalinity increased to 330 mg/L (from 280 mg/L), chloride increased to 26 mg/L (from 21 mg/L), nitrate remained at non detect and sulfate decreased to 100 mg/L (from 130 mg/L). Field measurements showed that the ORP increased to -70 mV (from -128 mV), DO remained at 0.00 mg/L, pH remained stable at 6.98 and ferrous iron decreased to 2.6 mg/L (from 3.0 mg/L).

Downgradient monitoring well 782VMW-121, located between 782VMW-100 and 782VMW-101, had an increasing VC exceedance at 15.5 µg/L (from 11.8 µg/L) and three minor VOC detections below the NYS Class GA Groundwater Standards for acetone (2.30 F µg/L), MTBE (1.66 F µg/L) and methylene chloride (0.200 F µg/L). DOC decreased to 2.1 mg/L (from 3.5 mg/L), alkalinity remained stable at 320 mg/L, chloride increased to 39 mg/L (from 31 mg/L), nitrate remained at non detect, and sulfate decreased to 82 mg/L (from 95 mg/L). Field measurements showed that the ORP increased to -77 mV (from -104 mV), DO remained at 0.00 mg/L, the pH remained stable at 6.91 and ferrous iron increased to 5.0 mg/L (from 4.0 mg/L).

Downgradient monitoring well 782VMW-121D, located near 782VMW-121 but with a deeper screen interval, had an increasing VC exceedance at 17.9 µg/L (from 14.1 µg/L) and one additional minor VOC detection (MTBE at 4.05 F µg/L) below the NYS Class GA Groundwater Standard. DOC decreased to 2.8 mg/L (from 5.8 mg/L), alkalinity decreased to 310 mg/L (from

330 mg/L), chloride remained stable at 44 mg/L, nitrate remained at non detect, and sulfate decreased to 37 mg/L (from 47 mg/L). Field measurements showed that the ORP increased to -93 mV (from -139 mV), DO remained at 0.00 mg/L, the pH remained at 6.91, and ferrous iron remained at 6.0 mg/L.

Downgradient monitoring well AP2MW-3 had three VOC (petroleum constituents) exceedances: 1,2,4-trimethylbenzene at 8.03 µg/L, benzene at 211 J µg/L and MTBE at 30.1 µg/L. DOC decreased to 5.0 mg/L (from 6.2 mg/L), alkalinity remained stable at 370 mg/L, chloride remained at 58 mg/L, and nitrate and sulfate remained non detect. Field measurements showed that the ORP increased to -87 mV (from -136 mV), DO remained at 0.00 mg/L, the pH decreased to 6.83 (from 7.01), and ferrous iron increased to 4.2 mg/L (from 3.8 mg/L).

The most upgradient surface water location 782SW-115 had three minor VOC detections below the NYS Class GA Groundwater Standards: acetone at 1.86 F µg/L, chloroform at 0.240 F µg/L and TCE at 0.130 F µg/L. Field measurements showed that the ORP increased and became positive at 210 mV (from -56 mV), DO increased to 10.92 mg/L (from 6.19 mg/L) and the pH decreased to 6.51 (from 6.94).

The middle surface water location 782SW-118 had five minor VOC detections below the NYS Class GA Groundwater Standards: acetone at 1.77 F µg/L, benzene at 0.210 F µg/L, chloroform at 0.260 F µg/L, MTBE at 0.230 F µg/L and methylene chloride at 0.180 F µg/L. Field measurements showed that the ORP increased and became positive at 123 mV (from -50 mV), DO decreased to 5.23 mg/L (from 7.57 mg/L) and pH increased to 7.21 (from 6.28).

The most downgradient surface water location 782SW-119 had five minor VOC detections below the NYS Class GA Groundwater Standards: acetone at 1.88 F µg/L, benzene at 0.200 F µg/L, chloroform at 0.250 F µg/L, MTBE at 0.250 F µg/L and methylene chloride at 0.190 F µg/L. Field measurements showed that the ORP increased to 79 mV (from 16 mV), DO decreased to 5.86 mg/L (from 8.16 mg/L) and the pH increased to 7.30 (from 6.37).

5.5.2 Spring 2013

The Apron 2 Chlorinated Plume sampling results are provided in Table 5-2. The table includes baseline sampling results collected in 2006-2007, the first four quarterly PM sampling round results and the semi-annual sampling rounds. The sampling results are discussed in order from upgradient (near Building 786) to downgradient (near SMC). The results are compared to the prior sampling round.

The most upgradient monitoring well sampled (782VMW-105B) had one increasing TCE exceedance at 25.5 µg/L (from 22.3 µg/L). Three additional minor VOC detections were reported below the NYS Class GA Groundwater Standards: acetone at 9.60 FB µg/L, cis-1,2-DCE at 2.15 µg/L and PCE at 0.390 F µg/L. DOC remained stable at 1.8 mg/L, alkalinity remained stable at 250 mg/L, chloride remained stable at 3.9 mg/L, nitrate remained at 0.15 F

mg/L and sulfate increased to 12 mg/L (from 6.6 mg/L). Field measurements showed that the ORP decreased to -143 mV (from -119 mV), the DO decreased to 0.00 mg/L (from 4.70 mg/L), the pH increased to 7.59 (from 7.24) and ferrous iron decreased to 2.6 mg/L (from 4.4 mg/L).

Further downgradient monitoring well 782VMW-81 showed two VOC exceedances: cis-1,2-DCE remained stable at 26.6 µg/L and VC increased to 4.07 µg/L (from 2.61 µg/L). Four additional VOCs were detected below the NYS Class GA Groundwater Standards: 1,1-DCE at 0.170 F µg/L, acetone at 4.54 FB , trans-1,2-DCE at 1.16 µg/L and TCE at 4.12 µg/L. DOC remained stable at 0.83 F mg/L, alkalinity remained stable at 210 mg/L, chloride decreased to 13 mg/L (from 16 mg/L), nitrate remained stable at non detect and sulfate increased to 8.3 mg/L (from 6.0 mg/L). Field measurements showed that the ORP decreased to -77 mV (from -50 mV), the DO decreased to 0.00 mg/L (from 2.01mg/L), the pH decreased to 7.36 (from 7.94) and ferrous iron remained stable at 0.5 mg/L.

Further downgradient monitoring well 782VMW-78 had two VOC exceedances: cis-1,2-DCE remained stable at 45.7 µg/L and VC increased to 8.00 µg/L (from 6.38 µg/L). Four additional VOC detections below the NYS Class GA Groundwater Standards: acetone (11.2 FB µg/L), benzene (0.340 F µg/L), methylene chloride (0.540 F µg/L) and trans-1,2-DCE (4.12 µg/L). DOC remained stable at 1.5 mg/L, alkalinity remained at 230 mg/L, chloride remained stable at 11 mg/L, nitrate was non detect, and sulfate increased to 8.4 mg/L (from 5.6 mg/L). Field measurements showed that the ORP decreased to -145 mV (from -97 mV), the DO decreased to 0.43 mg/L (from 10.47 mg/L), the pH remained at 7.65 and ferrous iron remained stable at 1.6 mg/L.

Downgradient monitoring well 782VMW-76 had one increasing VC exceedance at 12.8 µg/L (from 9.54 µg/L). Five additional VOC detections below the NYS Class GA Groundwater Standards were reported for acetone (7.29 FB µg/L), benzene (0.290 F µg/L), cis-1,2-DCE (0.830 F µg/L), MTBE (4.39 F µg/L) and trans-1,2-DCE (0.590 F µg/L). DOC remained stable at 1.8 mg/L, alkalinity remained stable at 310 mg/L, chloride decreased to 27 mg/L (from 35 mg/L, nitrate remained non detect and sulfate decreased to non detect (from 1.3 mg/L). Field measurements showed that the ORP decreased to -229 mV (from -100 mV), the DO decreased to 0.00 mg/L (from 0.67 mg/L), the pH remained stable at 7.59 and ferrous iron increased to 6.5 mg/L (from 3.6 mg/L).

Further downgradient monitoring well 782VMW-96 had two VOC exceedances: MTBE increased to 11.2 µg/L (from 8.78 F µg/L) and VC increased to 63.7 µg/L (from 44.9 µg/L). Two additional VOCs were detected (acetone at 8.76 FB µg/L and methylene chloride at 0.700 F µg/L). DOC remained stable at 2.7 mg/L, alkalinity remained stable at 300 mg/L, chloride increased to 63 mg/L (from 54 mg/L) and nitrate and sulfate remained at non detect. Field measurements showed that the ORP decreased to -101 mV (from -78 mV), the DO remained at 0.00 mg/L, the pH decreased to 6.99 (from 7.51), and ferrous iron increased to 3.2 mg/L (from 2.6 mg/L).

VOC results for further-downgradient monitoring well 782MW-10 showed two exceedances: cis-1,2-DCE remained at 37.4 µg/L and VC increased to 30.6 µg/L (from 20.6 µg/L). Five additional VOCs detections were reported below the NYS Class GA Groundwater Standards: 1,1-DCA at 0.450 F µg/L, acetone at 10.4 B µg/L, benzene at 0.550 µg/L, MTBE at 0.360 F µg/L and trans-1,2-DCE at 3.41 µg/L. DOC remained stable at 2.9 mg/L, alkalinity remained stable at 260 mg/L, chloride remained stable at 10 mg/L, nitrate remained at non detect and sulfate remained at 0.68 F mg/L. Field measurements showed that the ORP decreased to -114 mV (from -101 mV), the DO remained at 0.00 mg/L, the pH remained decreased to 6.99 (from 7.47) and ferrous iron decreased to 2.6 mg/L (from 3.5 mg/L).

Downgradient, within-plume monitoring well 782VMW-84 had an increasing VC exceedance at 46.5 µg/L (from 35.8 µg/L). Six additional VOCs were detected below the NYS Class GA Groundwater Standards: 1,1-DCA at 0.150 F µg/L, acetone at 9.87 FB µg/L, benzene at 0.420 F µg/L, cis-1,2-DCE at 0.750 F µg/L, MTBE at 1.88 F µg/L, and trans-1,2-DCE at 0.220 F µg/L. DOC remained stable at 4.1 mg/L, alkalinity increased to 300 mg/L (from 280 mg/L), chloride remained stable at 24 mg/L, nitrate remained at non detect and sulfate increased to 0.71 F µg/L (from non detect). Field measurements showed that the ORP remained stable at -138 mV, the DO remained at 0.00 mg/L, the pH remained at 6.90 and ferrous iron slightly increased to 3.4 mg/L (from 3.0 mg/L).

Downgradient monitoring well 782VMW-100 had one increasing VOC detection: acetone at 5.9 FB µg/L (from 1.57 µg/L). DOC decreased to 2.4 mg/L (from 3.4 mg/L), alkalinity decreased to 180 mg/L (from 330 mg/L), chloride decreased to 2.0 mg/L (from 3.9 mg/L), nitrate remained at non detect, and sulfate decreased to 33 mg/L (from 140 mg/L). Field measurements showed that the ORP decreased to -62 mV (from 101 mV), DO remained at 0.00 mg/L, pH increased to 7.61 (from 6.94) and ferrous iron remained stable at 0.5 mg/L.

Adjacent downgradient monitoring well 782VMW-101 had one increasing VOC exceedance: VC at 5.04 µg/L (from 0.590 F µg/L) and two VOC detections: acetone at 6.76 FB µg/L and MTBE at 7.57 µg/L. DOC increased to 3.5 mg/L (from 2.0 mg/L), alkalinity remained stable at 330 mg/L, chloride increased to 34 mg/L (from 26 mg/L), nitrate remained at non detect, and sulfate increased to 220 mg/L (from 100 mg/L). Field measurements showed that the ORP decreased to -112 mV (from -70 mV), DO remained at 0.00 mg/L, pH increased to 7.15 (from 6.98) and ferrous iron remained stable at 2.9 mg/L.

Downgradient monitoring well 782VMW-121, located between 782VMW-100 and 782VMW-101, had an increasing VC exceedance at 17.0 µg/L (from 15.5 µg/L). Two additional VOC detections below the NYS Class GA Groundwater Standard were reported for acetone at 8.29 FB µg/L and MTBE at 2.15 F µg/L. DOC increased to 2.9 mg/L (from 2.1 mg/L), alkalinity remained stable at 310 mg/L, chloride decreased to 35 mg/L (from 39 mg/L), nitrate remained at non detect, and sulfate increased to 130 mg/L (from 82 mg/L). Field measurements showed that the ORP decreased to -87 mV (from -77 mV), DO remained at 0.00 mg/L, the pH remained stable at 6.86 and ferrous iron decreased to 3.2 mg/L (from 5.0 mg/L).

Downgradient monitoring well 782VMW-121D, located near 782VMW-121 but with a deeper screen interval, had an increased VC exceedance at 19.2 µg/L (from 17.9 µg/L). Three additional VOC detections below the NYS Class GA Groundwater Standards were reported for acetone at 10.1 B µg/L, cis-1,2-DCE at 0.110 F µg/L and MTBE at 3.79 F µg/L. DOC remained stable at 3.0 mg/L, alkalinity remained stable at 310 mg/L, chloride decreased to 38 mg/L (from 44 mg/L), nitrate remained at non detect, and sulfate increased to 130 mg/L (from 37 mg/L). Field measurements showed that the ORP remained stable at -95 mV, DO remained at 0.00 mg/L, the pH remained stable at 6.85 and ferrous iron decreased to 1.4 mg/L (from 6.0 mg/L).

The most upgradient surface water location 782SW-115 had one VOC detection below the NYS Class GA Groundwater Standards: acetone (7.68 FB µg/L). Field measurements showed that the ORP decreased to 37 mV (from 210 mV), DO increased to 14.50 mg/L (from 10.92 mg/L) and the pH increased to 7.86 (from 6.51).

The middle surface water location 782SW-118 had one VOC detection below the NYS Class GA Groundwater Standards: acetone (11.3 B µg/L). Field measurements showed that the ORP decreased to 27 mV (from 123 mV), DO increased to 12.53 mg/L (from 5.23 mg/L) and pH increased to 7.81 (from 7.21).

The most downgradient surface water location 782SW-119 had one VOC detection below the NYS Class GA Groundwater Standards: acetone (13.0 B µg/L). Field measurements showed that the ORP decreased to 31 mV (from 79 mV), DO increased to 11.88 (from 5.86 mg/L) and the pH increased to 7.72 (from 7.30).

5.6 Analysis and Discussion

Figure 5-1 shows the baseline November 2006 TCE plume and the September 2010, 2011 and 2012 TCE plumes. Figure 5-2 shows the baseline November 2006 cis-1,2-DCE plume and the September 2010, 2011 and 2012 cis-1,2-DCE plumes. Figure 5-3 shows the baseline November 2006 VC plume and the September 2010, 2011 and 2012 VC plumes.

Three VOC have consistently been reported in exceedance of the NYS Class GA Groundwater Standards: TCE and its daughter products cis-1,2-DCE and VC. A TCE exceedance was reported in monitoring well 782VMW-105B, cis-1,2-DCE exceedances were reported for monitoring wells 782VMW-78, -81, and 782MW-10 and VC exceedances were reported for monitoring wells 782VMW-76, -78, -81, -84, -84D, -96, -121, -121D, and 782MW-10 for both sampling rounds and 782VMW-101 for the Spring 2013 sampling round only. Additional exceedances were reported for petroleum constituents, including MTBE, in monitoring wells 782VMW-96 and AP2MW-3.

Similarly, petroleum constituent exceedances were reported in the most upgradient well sampled (782VMW-105B) between September 2008 and September 2009. Petroleum VOC concentrations have decreased significantly after September 2009. Nearby monitoring well

786MW-16 previously contained free product and as a remedial effort monthly vacuum truck operation was performed. This free product and groundwater removal likely caused groundwater movement leading to the reduced petroleum VOC detections in 782VMW-105B. The presence of petroleum in this source area of the Apron 2 Chlorinated Plume likely acted as the carbon source that initiated and sustained the reductive dechlorination of the Apron 2 Chlorinated Plume.

DOC results across the site were low (below 5.0 mg/L). The low DOC suggests that little carbon is available to stimulate bioremediation. It is believed that bioremediation is still occurring, even though DOC levels are low. This is evidenced by the reported TCE daughter products in the plume and the sampling results for alkalinity, chloride, nitrate, and sulfate. Alkalinity results across the site ranged from 180 mg/L to 370 mg/L. High alkalinity levels show high buffering capacity and indicate carbon dioxide production through microbial activity through direct oxidation of the petroleum plume. Background alkalinity levels in upgradient monitoring well 782VMW-98 were 200 and 190 mg/L in 2006 and 2008 respectively. Chloride levels across the site range from 2.0 mg/L to 63 mg/L. Chloride is a metabolic product of chlorinated solvent reduction and higher levels are indicative of ongoing metabolic activity. Monitoring well 782VMW-100 showed the lowest chloride levels and is a downgradient monitoring well near SMC located in a different groundwater zone than the other downgradient monitoring wells. Most upgradient well 782VMW-105B also has low chloride levels. This monitoring well is at the source of the plume and reductive dechlorination processes originate there and it is thought that these processes are not occurring at a sufficient rate to cause increased chloride levels. This is supported by the lack of TCE daughter products in this monitoring well.

Nitrate levels were low (non detect to 0.15 F mg/L), signifying that denitrification is occurring at the site, which suggests that bioremediation is occurring at the site. Sulfate levels at the site were typically low (less than 15 mg/L) with the exception of four downgradient monitoring wells: 782VMW-100 (140 mg/L and 33 mg/L in Fall 2012 and Spring 2013, respectively), 782VMW-101 (100 mg/L and 220 mg/L in Fall 2012 and Spring 2013, respectively), 782VMW-121 (82 mg/L and 130 mg/L in Fall 2012 and Spring 2013, respectively), and 782VMW-121D (37 mg/L and 130 mg/L in Fall 2012 and Spring 2013, respectively). The typically low sulfate levels across the site indicate that sulfate reduction is occurring at the site, which suggests that bioremediation is occurring at the site.

ORP field measurements were negative to strongly negative across the site, which are indicative of a reducing environment which supports natural bioremediation with the exception of downgradient monitoring well 782VMW-100 in the Fall 2012 sampling round (101 mV). DO field measurements ranged from 0.00 mg/L to 10.47 mg/L. Elevated DO levels were reported for monitoring wells 782VMW-78 and -105B in the Fall 2012 sampling round, but 782VMW-78 decreased to 0.43 mg/L and 782VMW-105B decreased to 0.00 mg/L during the Spring 2013 sampling round, so they are considered anomalies. Low DO levels (< 0.5 mg/L) are typically associated with reducing conditions which support anaerobic bioremediation. pH field measurements were between 6.83 and 7.94, which are within the circumneutral (5-9) range and

support bioremediation. The ferrous iron results from the monitoring wells were between 0.4 and 6.5 mg/L. Ferrous iron levels above 1 mg/L are indicative of reducing conditions at the site.

Monitoring wells that have shown a trend of high DO levels (generally above 5 mg/L) include 782VMW-105B, - 81, and -78 (upgradient to downgradient). Well 782VMW-105B is located in the TCE plume, the least degraded chlorinated solvent at the Apron 2 Chlorinated Plume site. The other two wells are located in the cis-1,2-DCE plume and VC plume at the most upgradient outskirts. These upgradient locations at the outskirts of the plumes may result in higher oxygen levels than typically reported in natural attenuation plumes due to the influx of aerobic groundwater. Please note that upgradient well 782VMW-98 was sampled twice and both times the DO level exceeded 5 mg/L suggesting that unimpacted groundwater at the site typically exceeds 5 mg/L.

The reported intermittent low-level VOC detections in surface water samples 782SW-115, -118, and -119 are believed to be related to the Apron 2 Chlorinated Plume and the Apron 2 petroleum plume. However, several detections were reported for COCs which were not related to either plume. Surface water samples located upgradient in SMC near site AOC9 had chlorobenzene detections which likely accounts for the chlorobenzene detection in the surface water samples at the Apron 2 Chlorinated Plume site. However, chlorobenzene was non detect in the past two sampling rounds. The remaining detections are believed to be stormwater runoff, as SMC received stormwater from the southern and eastern section of the former Griffiss AFB, which is considered an industrial watershed. Low level COC detections are not unexpected in an industrial watershed. Please note that all COC detections reported for the surface water samples regardless of source were well below the NYS Class GA Groundwater Standards.

5.6.1 Trend Charts

As shown in Table 2-2, three VOC exceeded the NYS Class GA Groundwater Standards on a regular basis at the Apron 2 Chlorinated Plume Site: TCE, cis-1,2-DCE, and VC. Trend charts were prepared which included the total VOC (sum of all three above referenced VOCs and all other chlorinated VOCs) versus time and are included in Figures 5-4 through 5-15. Petroleum VOC exceeding the NYS Class GA groundwater standards were excluded from trending. These trend charts include all analytical results from previous investigations for the monitoring wells, dating back to 2000. DOC concentrations are also included, which assist in explaining possible changes in COC concentrations. The surface water sampling locations are not included as their concentrations are low relative to the monitoring wells.

The trend charts in Figures 5-4 through 5-15 show a stable trend for the source area (782VMW-105B), a generally decreasing trend for the plume area from the source to approximately 1,000 ft. downgradient (from 782VMW-81 to 782VMW-96) and a generally stable trend for the plume area from approximately 1,000 ft. downgradient to Six Mile Creek (approximately 1,200 ft. from 782VMW-84 to 782VMW-121D).

5.6.2 MAROS Analysis

The use of statistical analysis was performed to optimize the monitoring well network at the Apron 2 Chlorinated Plume, post completion of the OPS report (EEEPC, June 2012). The MAROS results are located in Appendix F. MAROS analysis was performed on TCE, cis-1,2-DCE and VC because statistical analysis and the strength of the conclusion increases with the number of data used. The number of detections for all other VOCs was too low to perform statistical analysis. The Mann-Kendall statistical analysis shows a decreasing trend in in-well TCE concentrations for one MW, a stable trend for one MW, no trend for four MWs, and no detections for nine MWs. The Mann-Kendall statistical analysis shows a decreasing trend in in-well cis-1,2-DCE concentrations for three MWs, a potentially decreasing trend for one MW, a stable trend for two MWs, no trend for three MWs, no detections for five MWs, and an increasing trend for one MW. The Mann-Kendall statistical analysis shows a decreasing trend in in-well VC concentrations for seven MWs, a potentially decreasing trend for one MW, no trend for three MWs, no detections for three MWs, and a potentially increasing trend for one MW.

The spatial moment analysis shows a decreasing mass for TCE and VC, but an increasing mass for cis-1,2-DCE. The first moment analysis (distance to the source) is increasing for all three COCs (TCE, cis-1,2-DCE and VC) which indicates that the plume is moving downgradient or that the upgradient area of the plume is decreasing faster than the plume which results in a statistically downgradient moving plume. The MAROS site results shows a decreasing trend in tail and source stability for TCE and a potentially decreasing trend in tail and source stability for cis-1,2-DCE and VC. The recommended level of sampling effort is limited for all three COCs. The sampling location optimization showed that none of the wells can be removed from the sampling network. The sampling frequency optimization recommends that most MWs can be sampled annually, except 782VMW-84D, which is recommended for quarterly frequency.

It is recommended to follow the MAROS recommendations to reduce the sampling frequency to annual for all MWs at this site. Monitoring well 782VMW-84D is the exception which had a MAROS recommendation for quarterly sampling. It appears this recommendation is based on the increasing trend in cis-1,2-DCE concentrations. This MW had nine sampling results used for MAROS analysis, while most other MWs had twelve to twenty-four sampling results. The lower number of samples impacts the trend confidence negatively. Moreover, regardless of the identified increasing trend, all cis-1,2-DCE detections are well below the NYSDEC Class GA Groundwater Standard of 5 µg/L (the maximum cis-1,2-DCE concentration detected is 0.820 F µg/L). For consistency, it is recommended to employ the same lower annual sampling frequency for MW 782VMW-84D as for the other MWs at the Apron 2 Chlorinated Plume Site.

MAROS analysis was also performed on the anion data including chloride, nitrate and sulfate and on alkalinity. Since the anion data and alkalinity are used as parameters to evaluate the presence of biological activity, trending and optimization were evaluated to determine whether reducing conditions exist. The presence of chloride suggests reductive dechlorination and the reduction of nitrate and sulfate indicate these anions are being used as electron acceptors in

anaerobic environments. Elevated alkalinity suggests generation of carbon dioxide from direct oxidation. The Mann-Kendall statistical analysis shows an overall decreasing trend for chloride, no trend for nitrate, a variety of trends for sulfate with no correlation of location and a variety of trends for alkalinity. For alkalinity, the source area has no trend, the middle of the plume has a decreasing trend and the tail of the plume has no trend. The spatial moment analysis shows a stable mass for chloride, a decreasing mass for nitrate, no trend for sulfate and no trend for alkalinity. The MAROS site results account for plume stability and show a stable trend for the tail and a decreasing trend for the source for chloride, no trend for the tail and a stable trend for the source for nitrate, a stable trend for the tail and a possibly increasing trend for the source for sulfate and a stable trend for the tail and a possibly increasing trend for the source for alkalinity. Based on the statistical analysis results, the presence of biological activity is evident. The source area is more likely degrading aerobically and the tail is degrading anaerobically.

5.7 Conclusion

Few changes are reported in the sampling results for the Fall 2012 and Spring 2013 semi-annual sampling rounds. The selected remedy at the Apron 2 Chlorinated Plume Site is MNA, which results in slow changes at the site over a typically extended period of time. Concentrations appear stable at the source, generally decreasing in the first 1,000 ft of the plume and stable in the latter 1,200 ft of the plume.

The MNA remedy is supported by the observance of TCE daughter products cis-1,2-DCE and VC, the high alkalinity, high chloride, low nitrate, and low sulfate across the site; all of which indicate that microbial activity is occurring which reduces COC concentrations across the site. Negative ORP levels and neutral pH levels support this microbial activity and thus the MNA remedy. It should be noted that the fuel oil contamination reported in the source area of the Apron 2 Chlorinated Plume is beneficial to the MNA remedy as it acts as the carbon source that started and continues the reductive dechlorination processes. The fuel oil is essential for the MNA remedy. However, efforts to remediate the fuel oil contamination in the source area have resulted in lower abundance of organic carbon.

Based on the MAROS analysis identified trends in the TCE, cis-1,2-DCE, and VC results at the Apron 2 Chlorinated Plume, revising the PM sampling frequency is recommended. Continued sampling is recommended at all monitoring wells, but the frequency should decrease to annual monitoring. Therefore, future sampling at the Apron 2 Chlorinated Plume Site is scheduled annually starting in September 2014 as shown in Table 5-1. Also, since it is evident that biological activity is occurring at the site, it is recommended to eliminate anions and alkalinity analysis from the sampling network.

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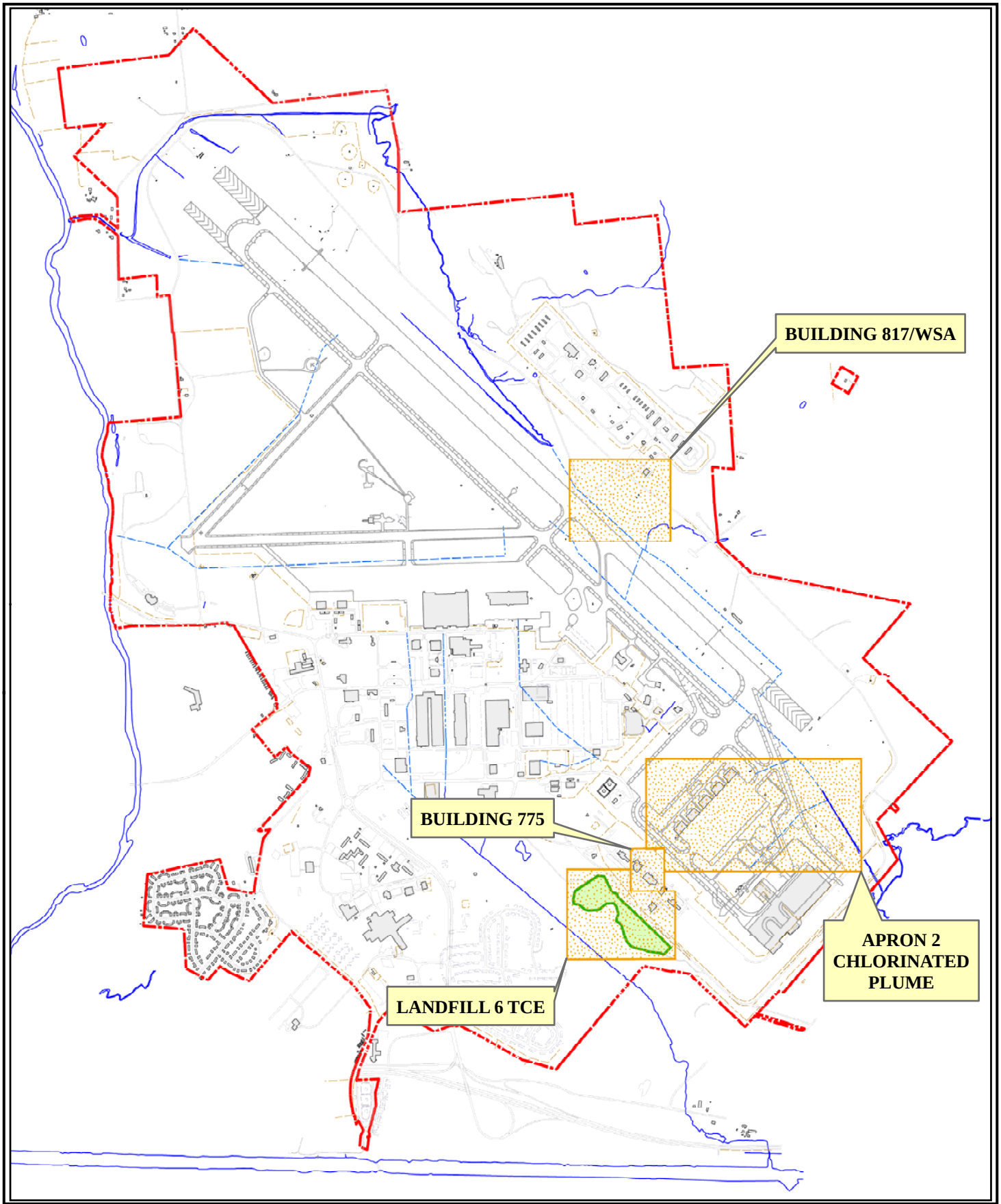
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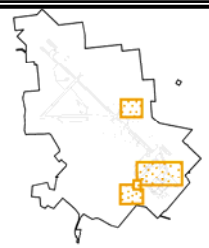
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Figures

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Key to Features

- Road
- Airfield
- Base Boundary
- Fenceline
- Storm Drain
- Surface Water
- Sites
- Landfill
- Existing Facilities
- Demolished Facilities

FIGURE 1-1
On Base Groundwater AOCs
Sites Map

1,200 600 0 1,200 2,400
Feet

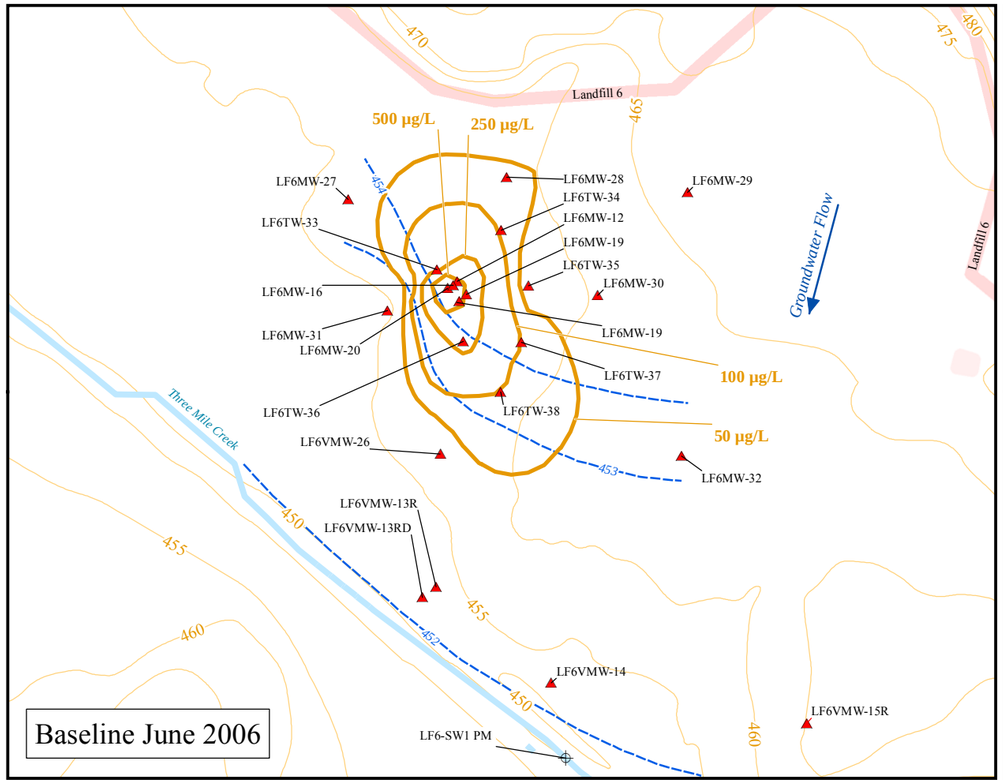
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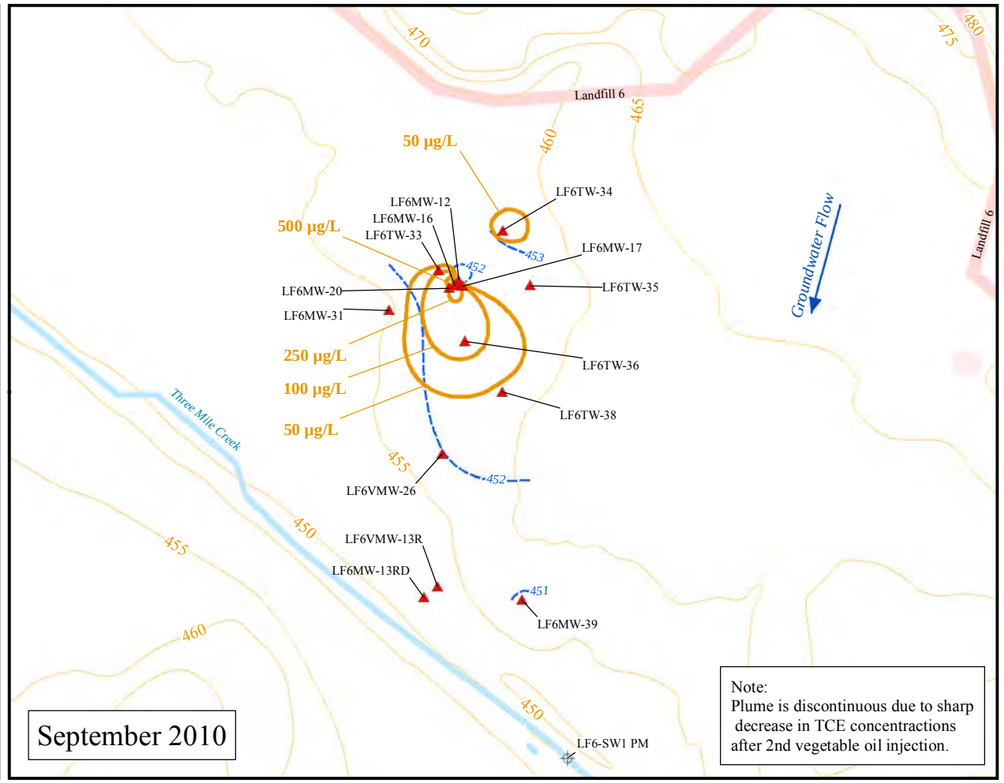
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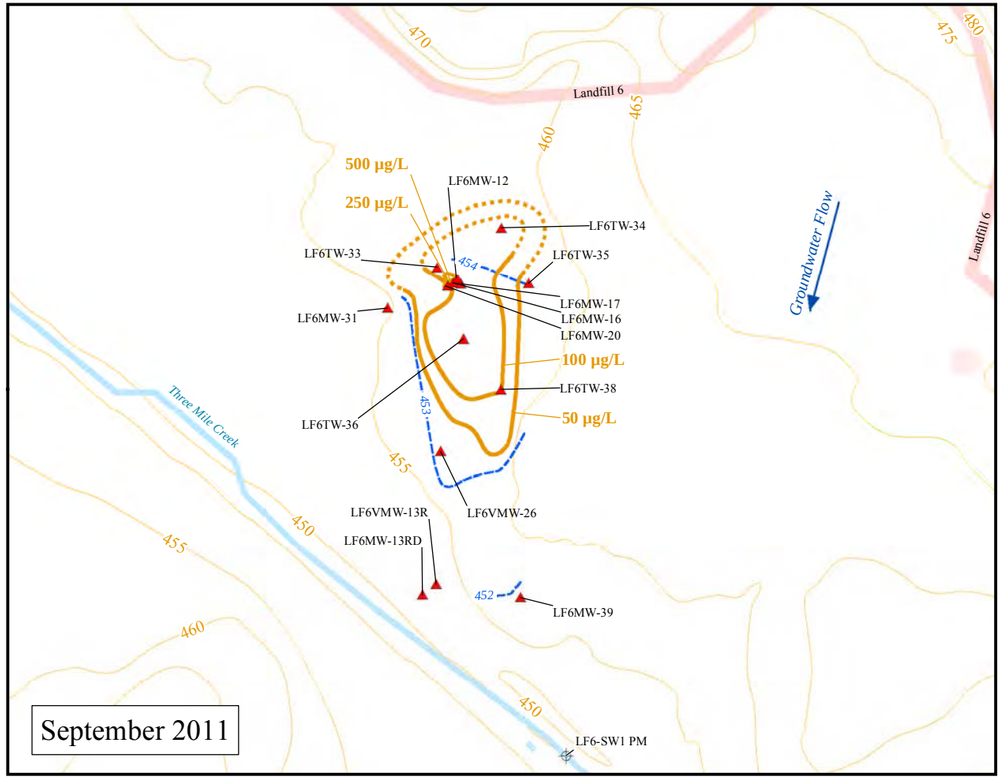
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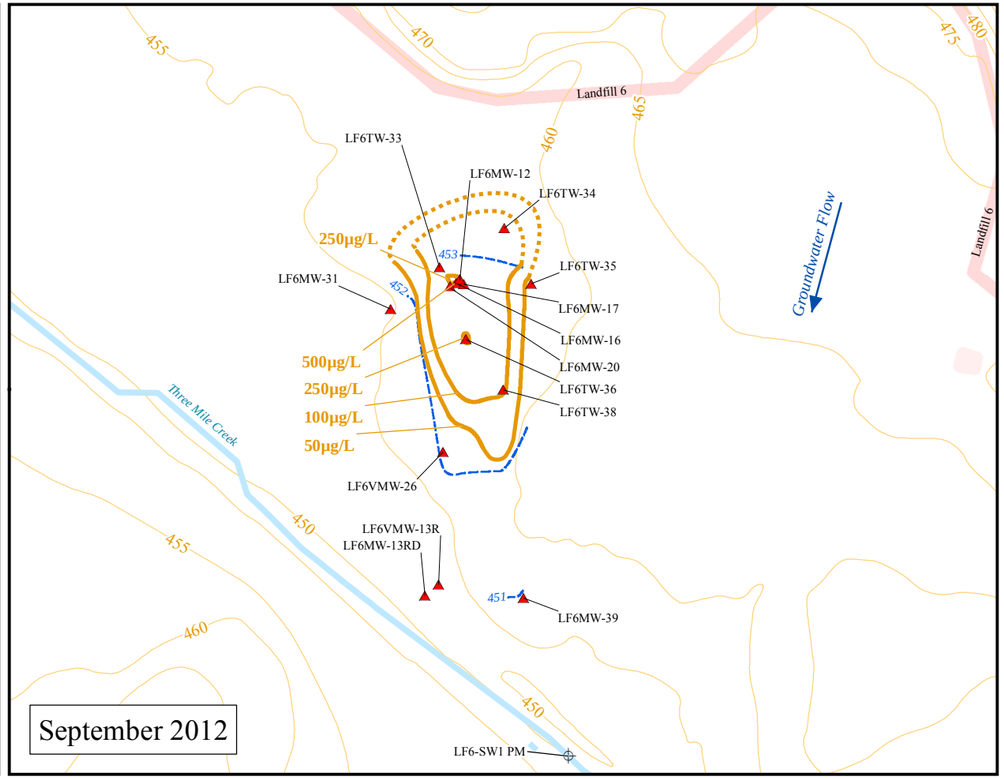
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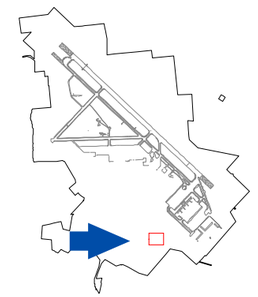












Site Location

Key to Features

- Surface Water Sample Location
- Monitoring Well
- Groundwater Flow Direction
- TCE Contour (µg/L)
- Inferred TCE Contour (µg/L)
- Groundwater Contour (ft. AMSL)
- Surface Water
- Topography (5 ft. Interval)
- Landfill 6 Boundary

Date: February 2014

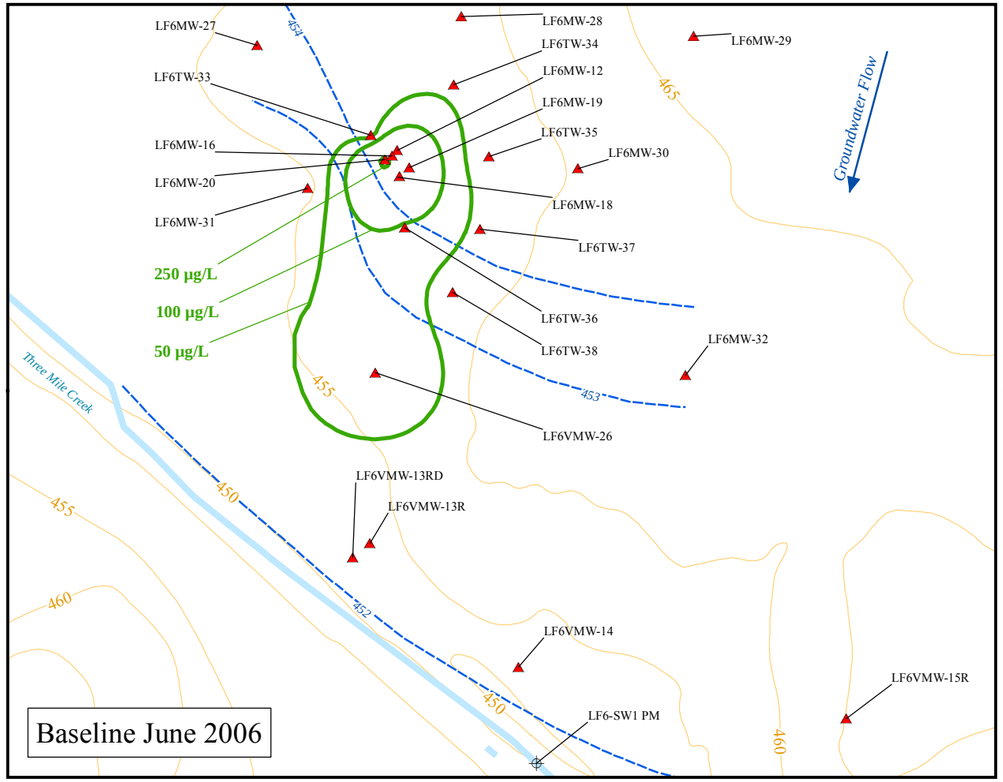
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Feet

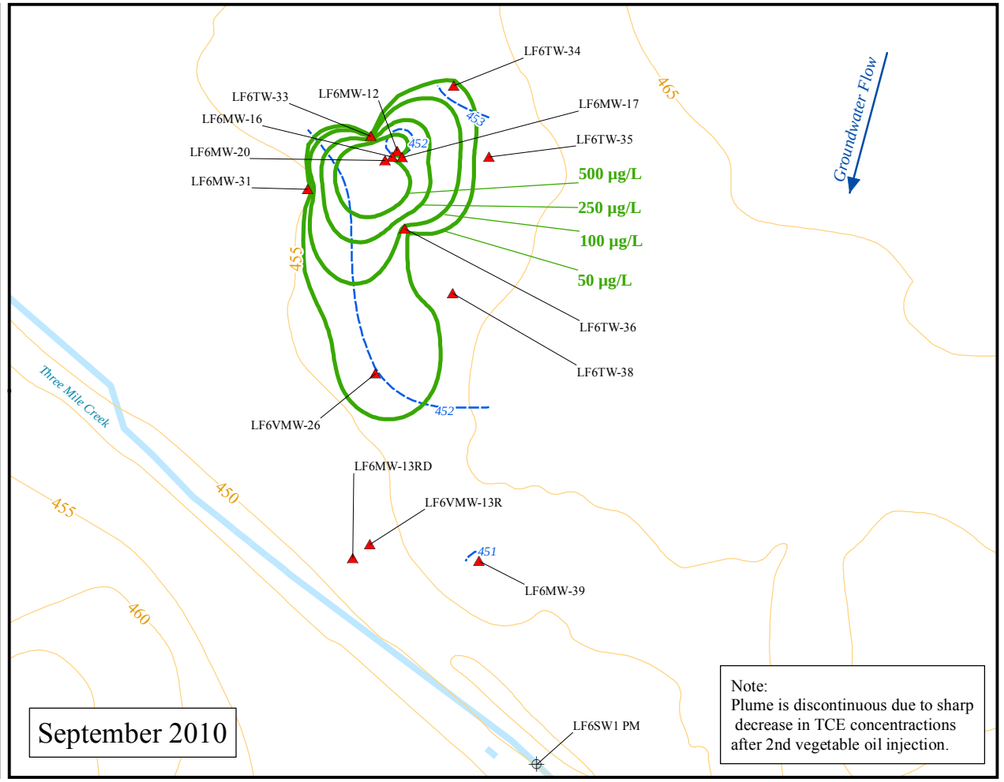
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Figure 2-1
Landfill 6
TCE Plume and Sampling Locations

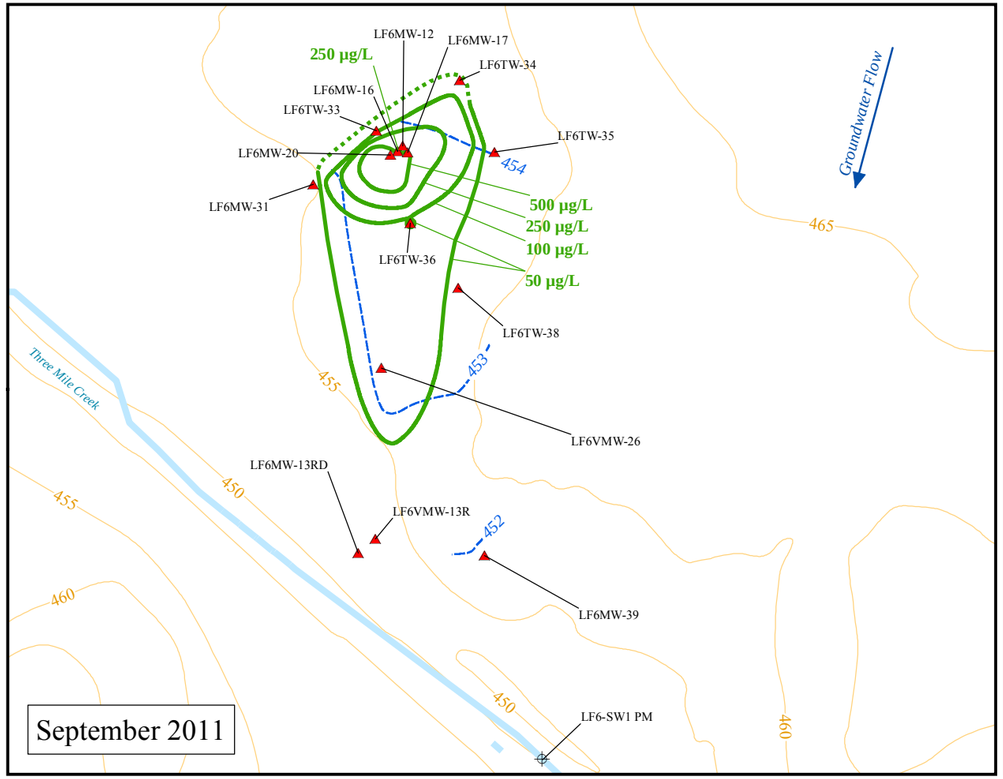
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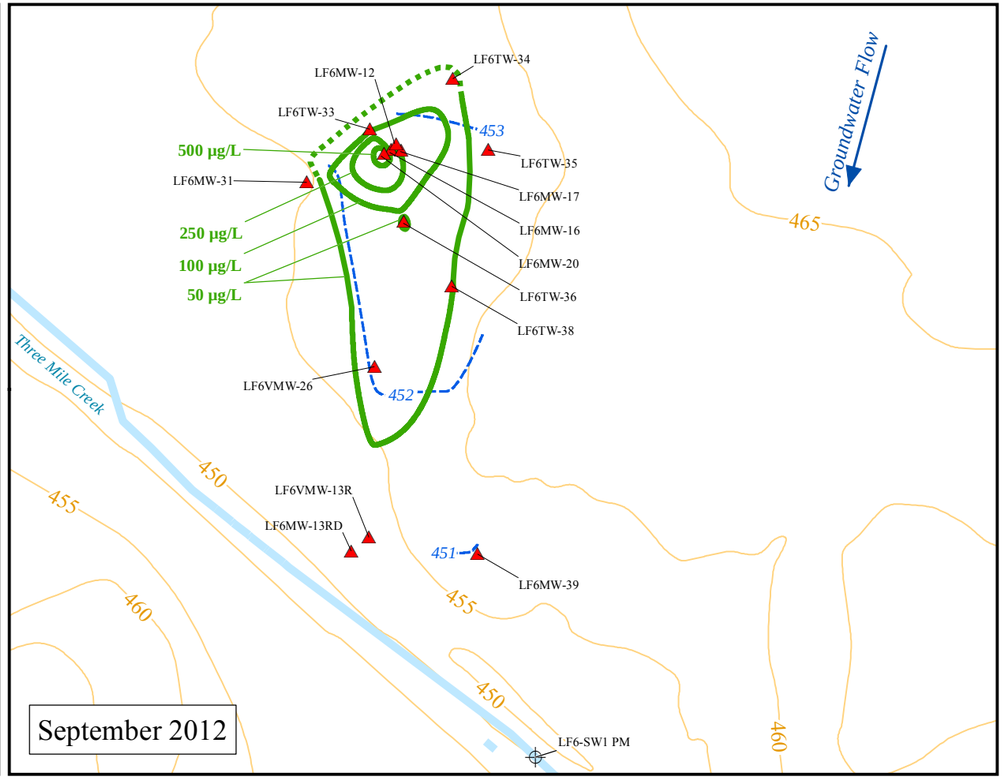
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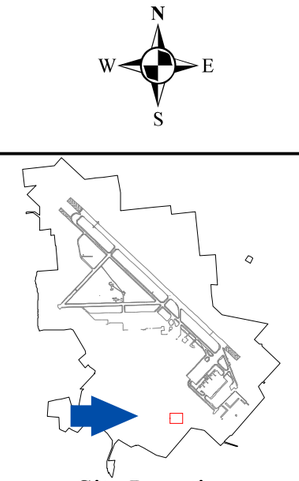




Note:
Plume is discontinuous due to sharp decrease in TCE concentractions after 2nd vegetable oil injection.







Site Location

Key to Features

- Monitoring Well
- Surface Water Sample Location
- cis-1,2-DCE Contour (µg/L)
- Inferred cis-1,2-DCE Contour (µg/L)
- Groundwater Flow Direction
- Groundwater Contour (ft. AMSL)
- Surface Water
- Topography (ft. AMSL)

Date: February 2014

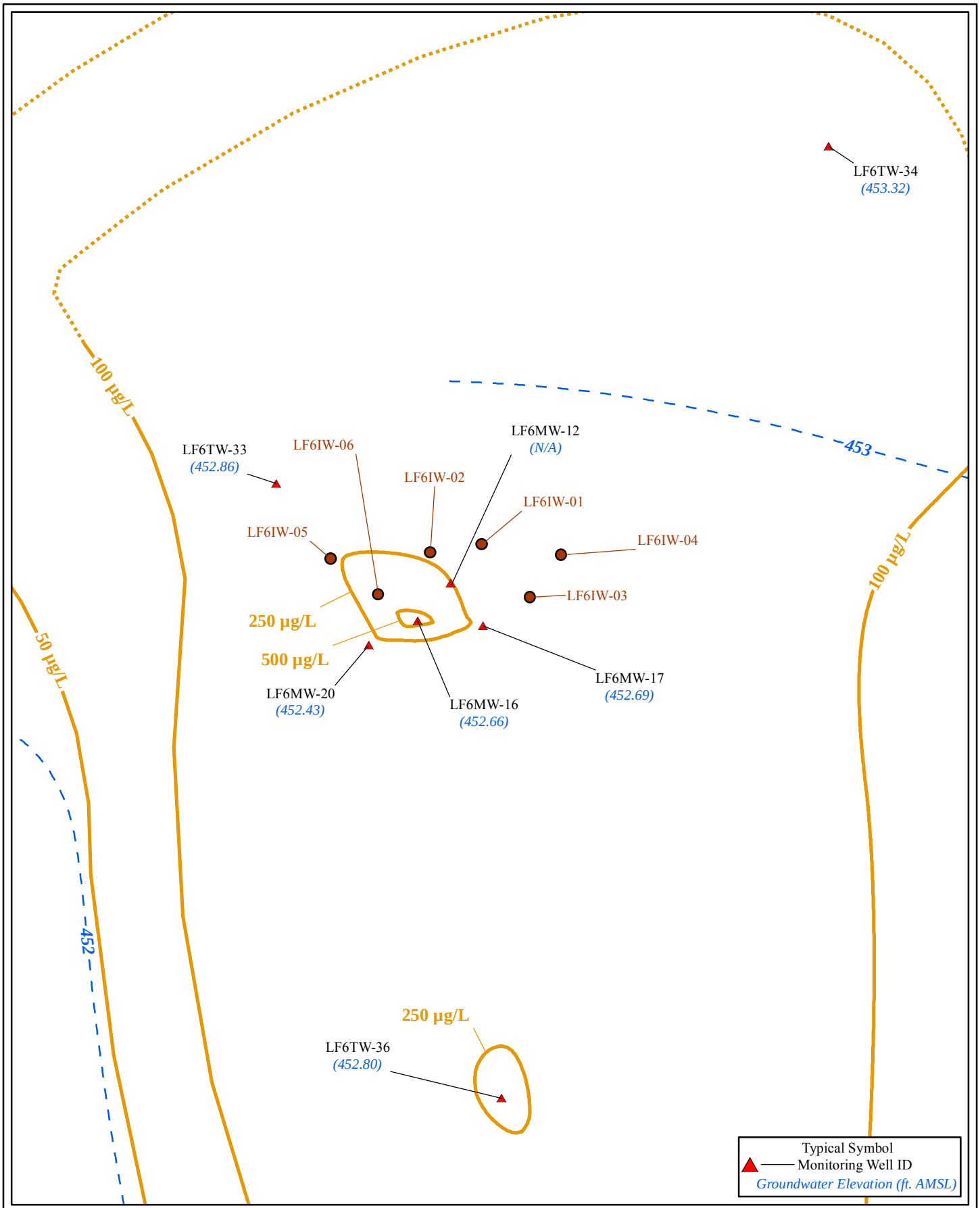
0 40 80 160 240
Feet

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Figure 2-2
Landfill 6
DCE Plume and Sampling Locations

FPM group

Document Path: Y:\GIS_Projects\Griffiss\Projects\717-06-03\PM_Quarterly_Reports\Fall2012\Projects\Fig_2-2_LF6_DCE_Plume.mxd



Site Location

Key Features

- Monitoring Well
- Injection Well
- TCE Contour (µg/L)
- Groundwater Contour (ft. AMSL)
- Inferred TCE Contour (µg/L)

0 5 10 20
Feet

N

UNITED STATES AIR FORCE
FORMER GRIFFISS AIR FORCE BASE
ROME, NY

Figure 2-3

LF6 TCE Hot Spot Details

September 2012

FPM group

Figure Date: February 2014

Y:\GIS_Projects\Griffiss\Projects\717-06-03\PM_Quarterly_Reports\Fall2012\Projects\Fig_2-3_LF6_Hotspot.mxd

Figure 2-4
LF6MW-16 VOCs Trend

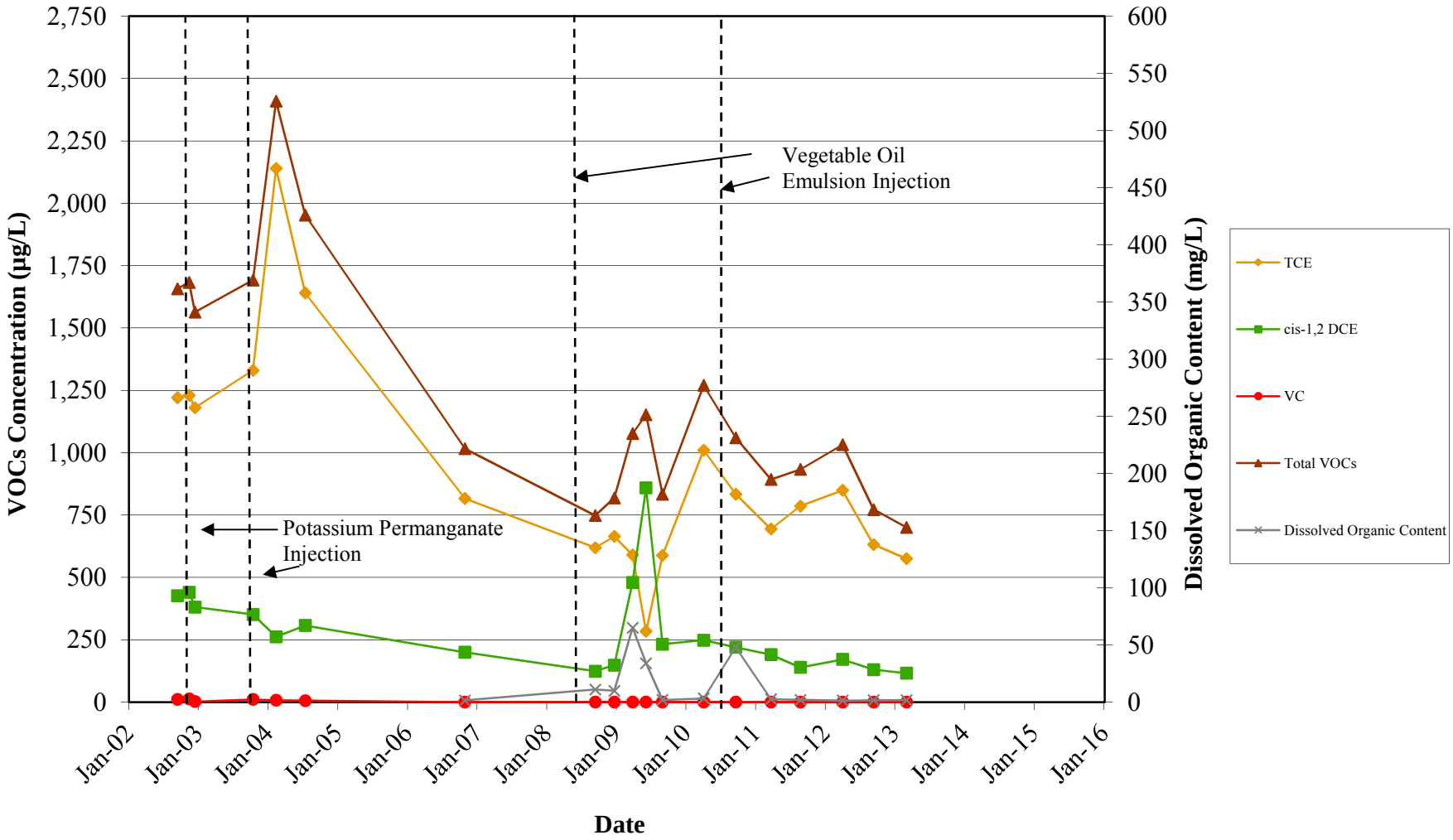


Figure 2-5
LF6MW-17 VOCs Trend

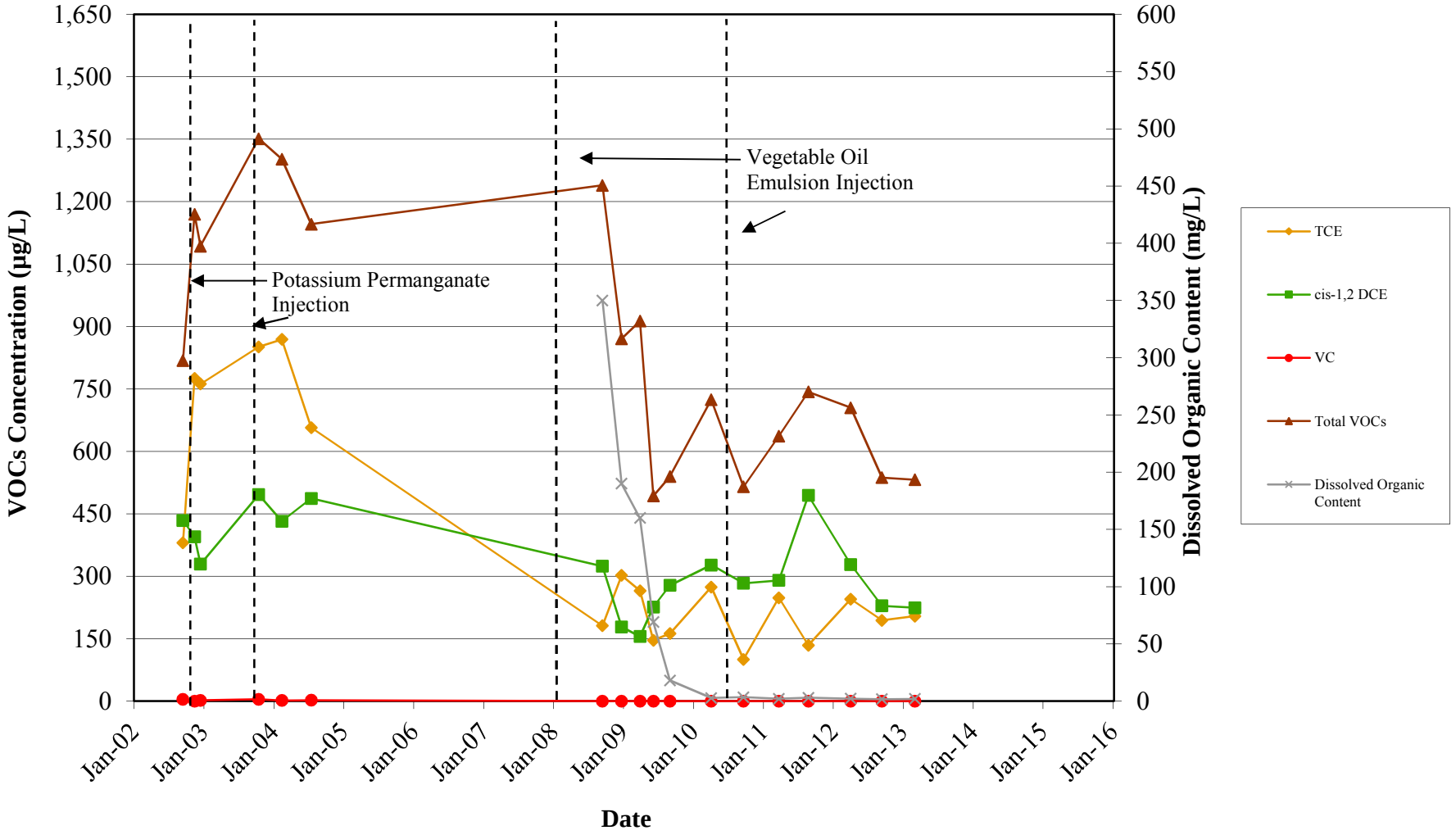


Figure 2-6
LF6MW-20 VOCs Trend

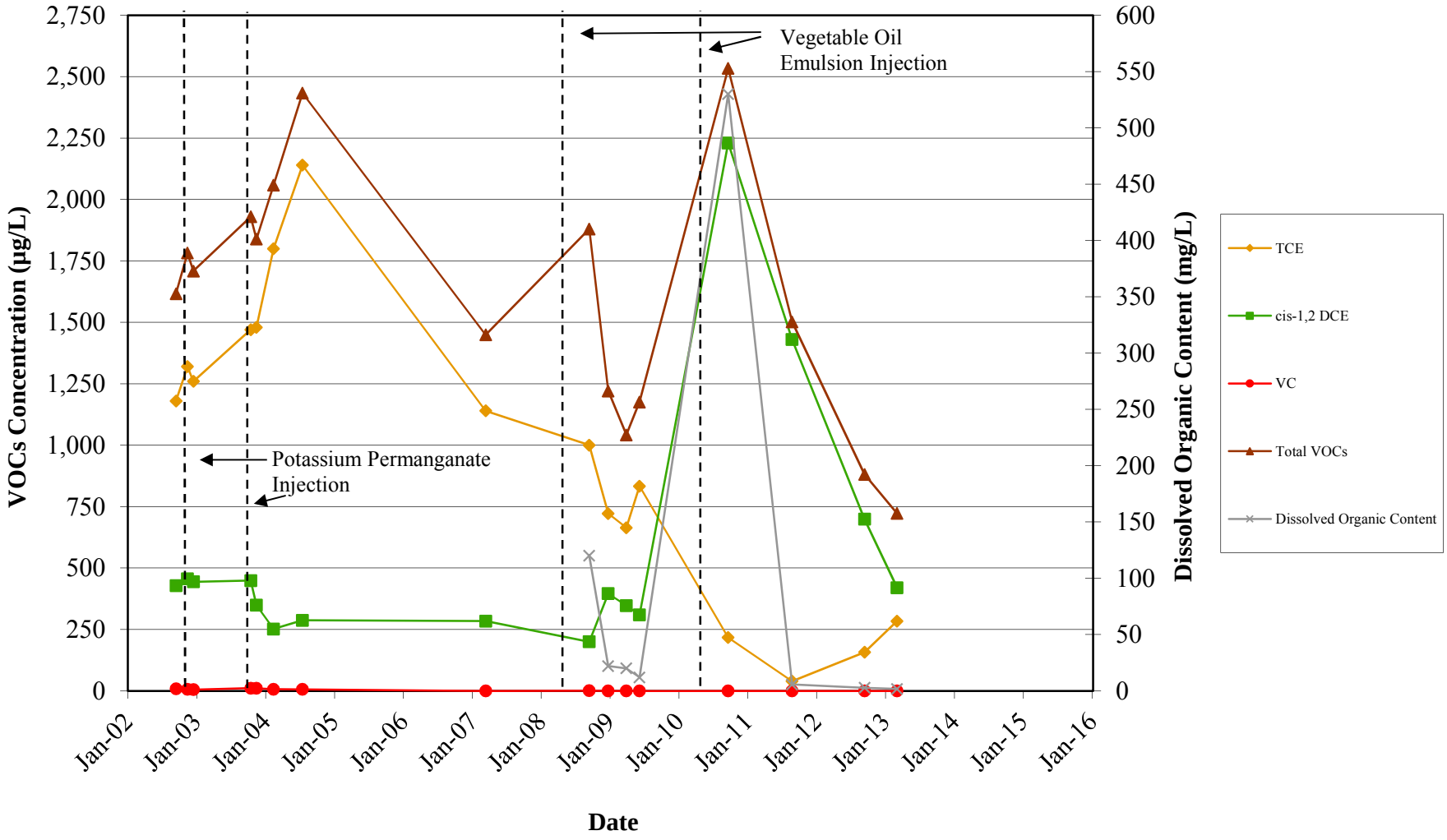


Figure 2-7
LF6VMW-26 VOCs Trend

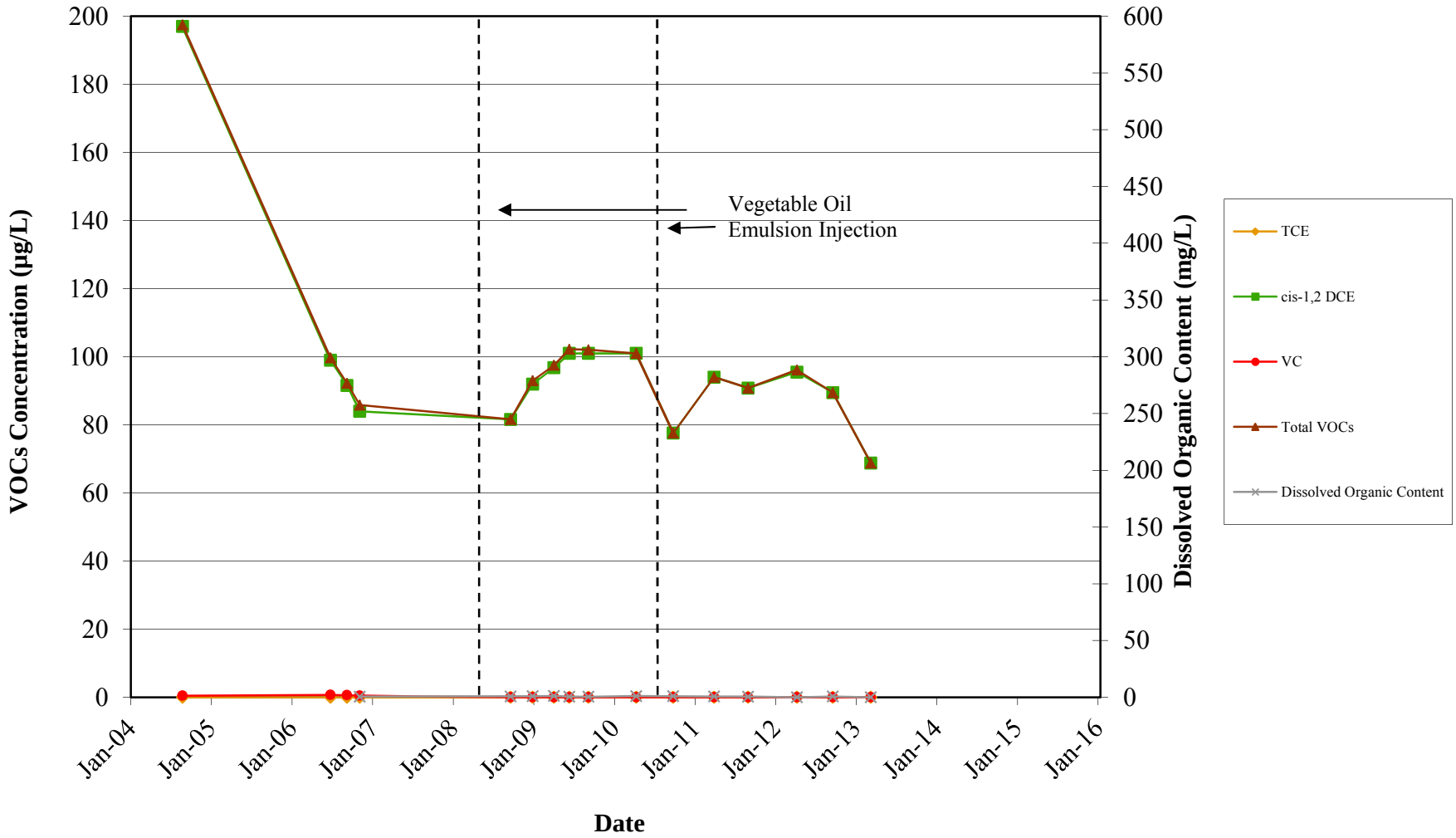


Figure 2-8
LF6TW-33 VOCs Trend

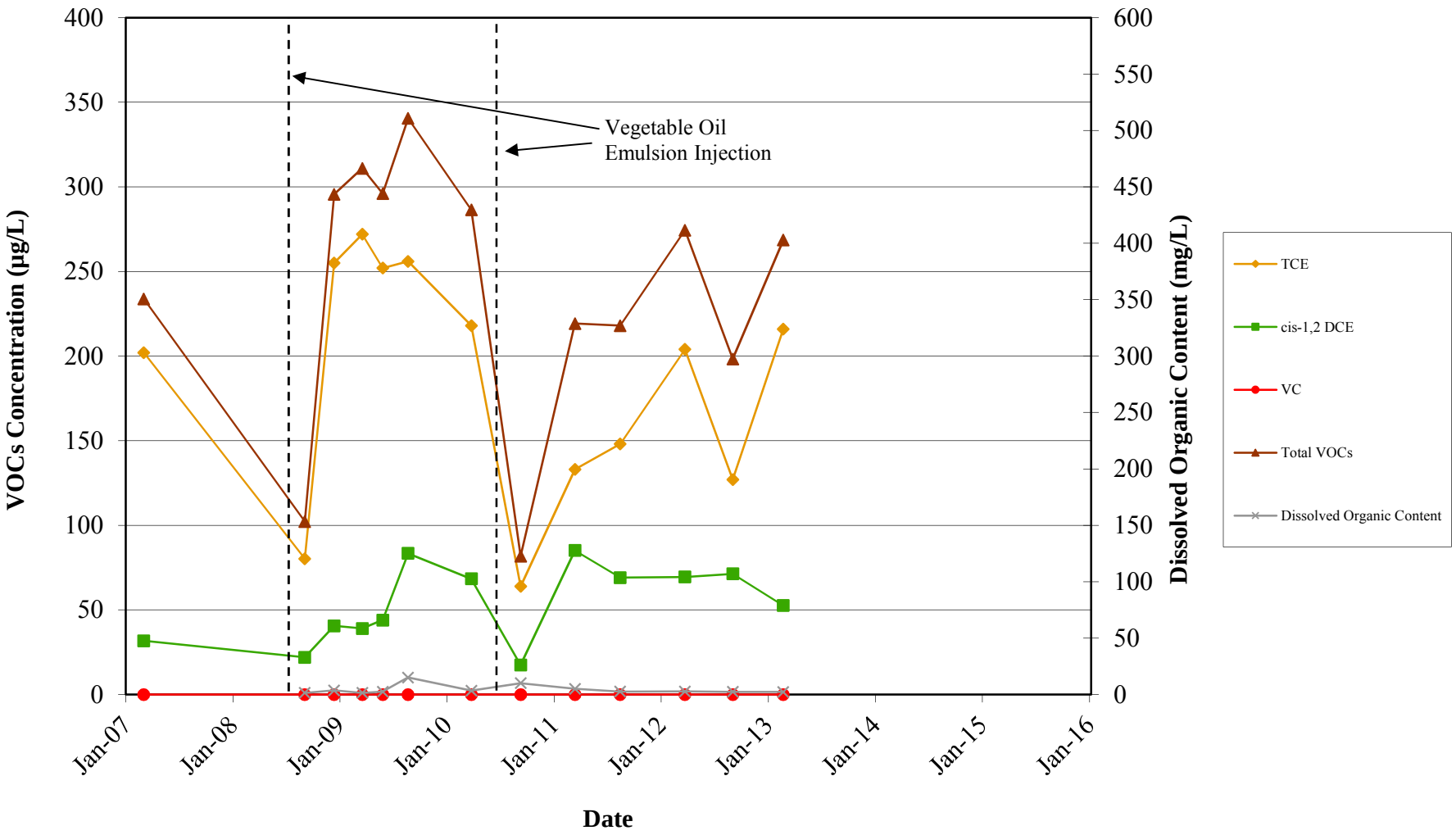


Figure 2-9
LF6TW-34 VOCs Trend

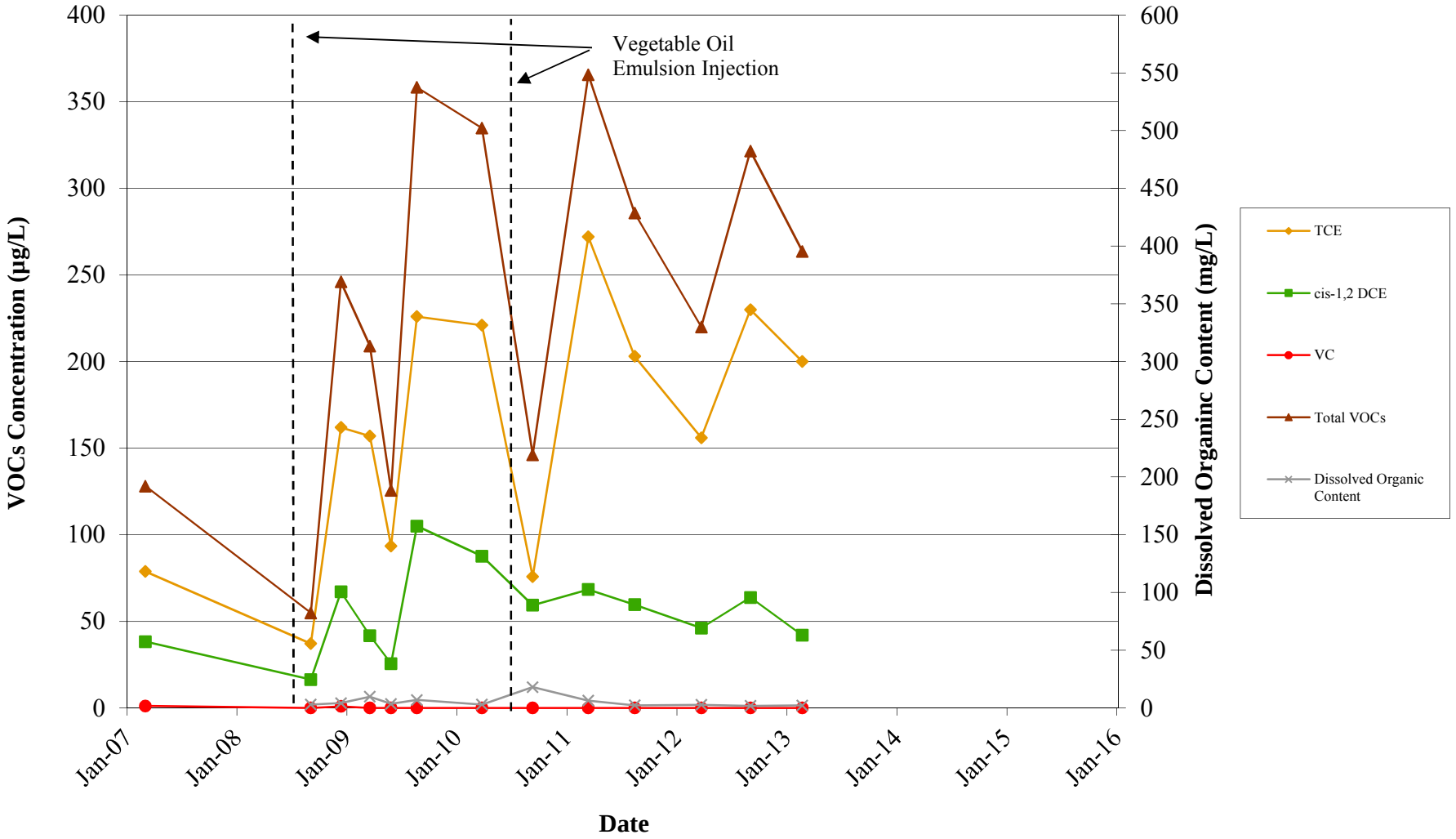


Figure 2-10
LF6TW-35 VOCs Trend

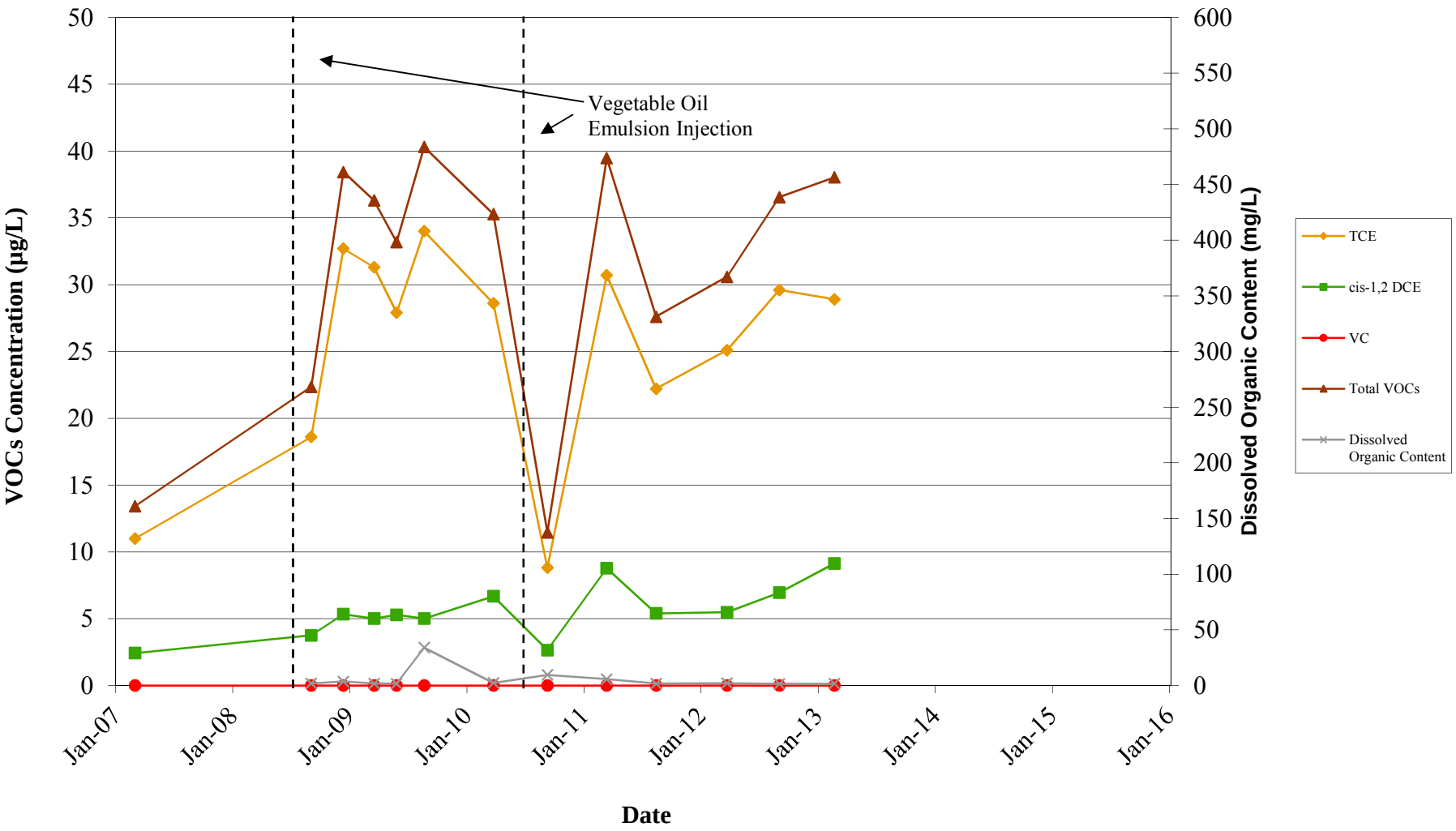


Figure 2-11
LF6TW-36 VOCs Trend

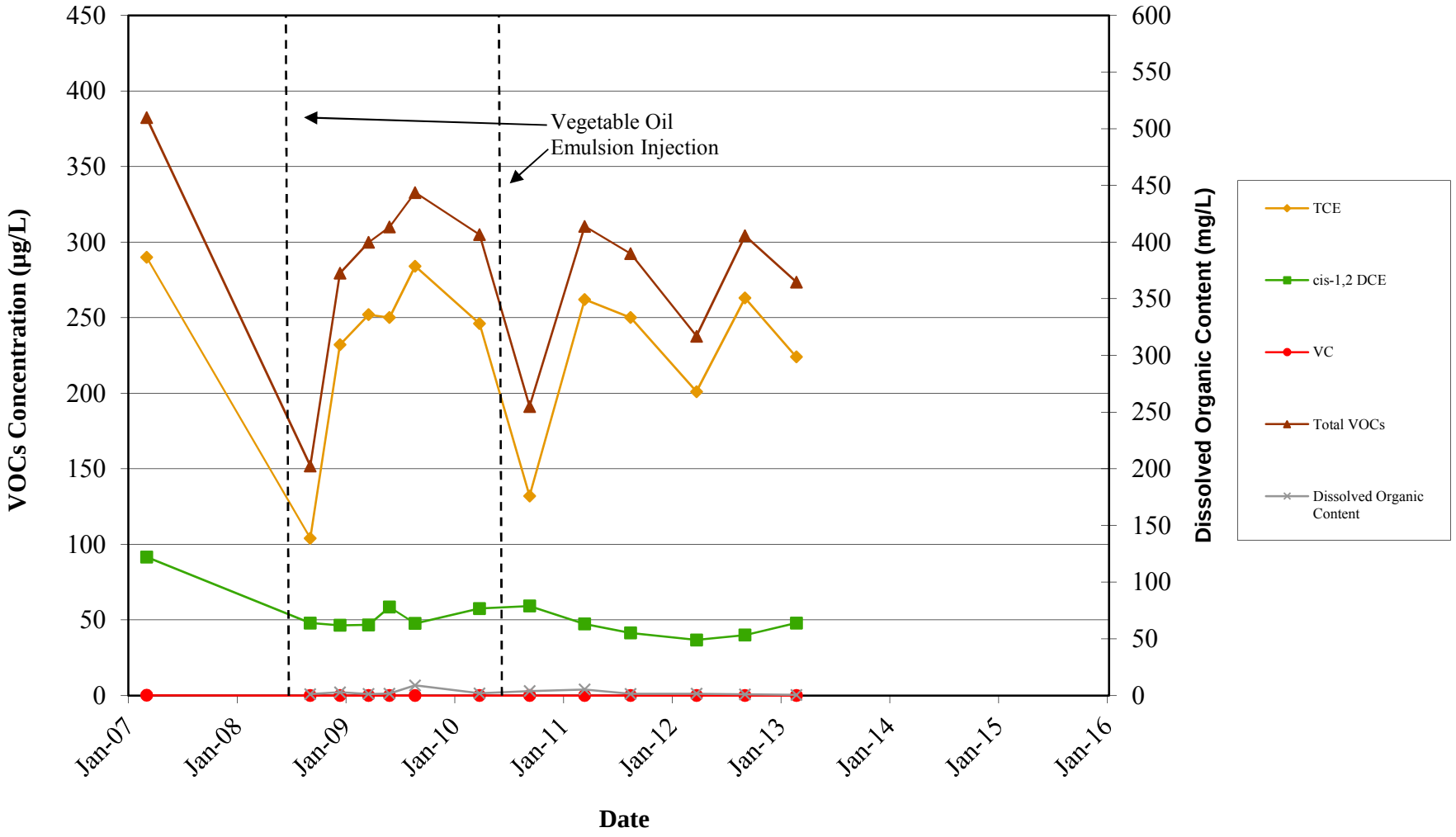


Figure 2-12
LF6TW-38 VOCs Trend

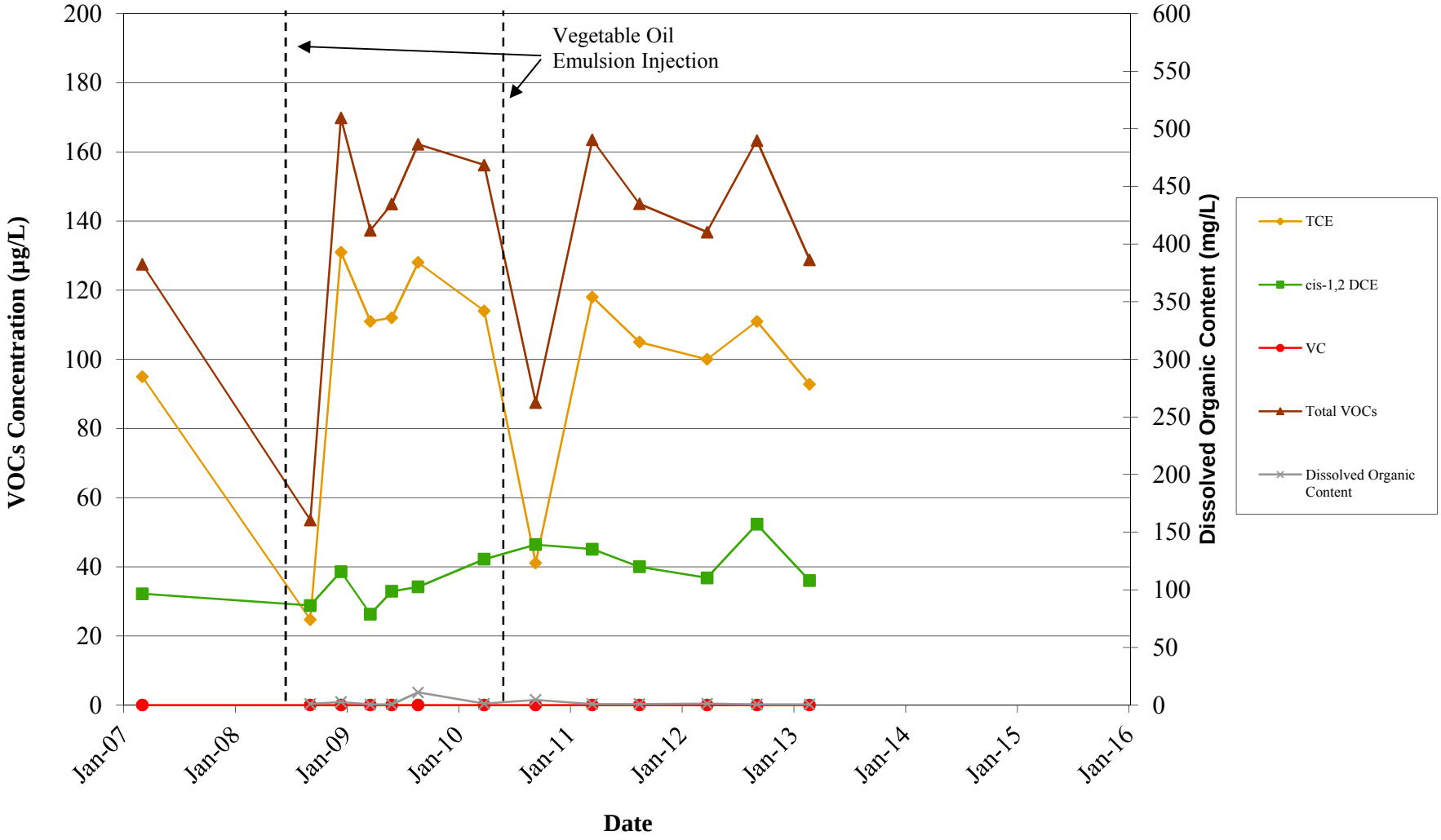
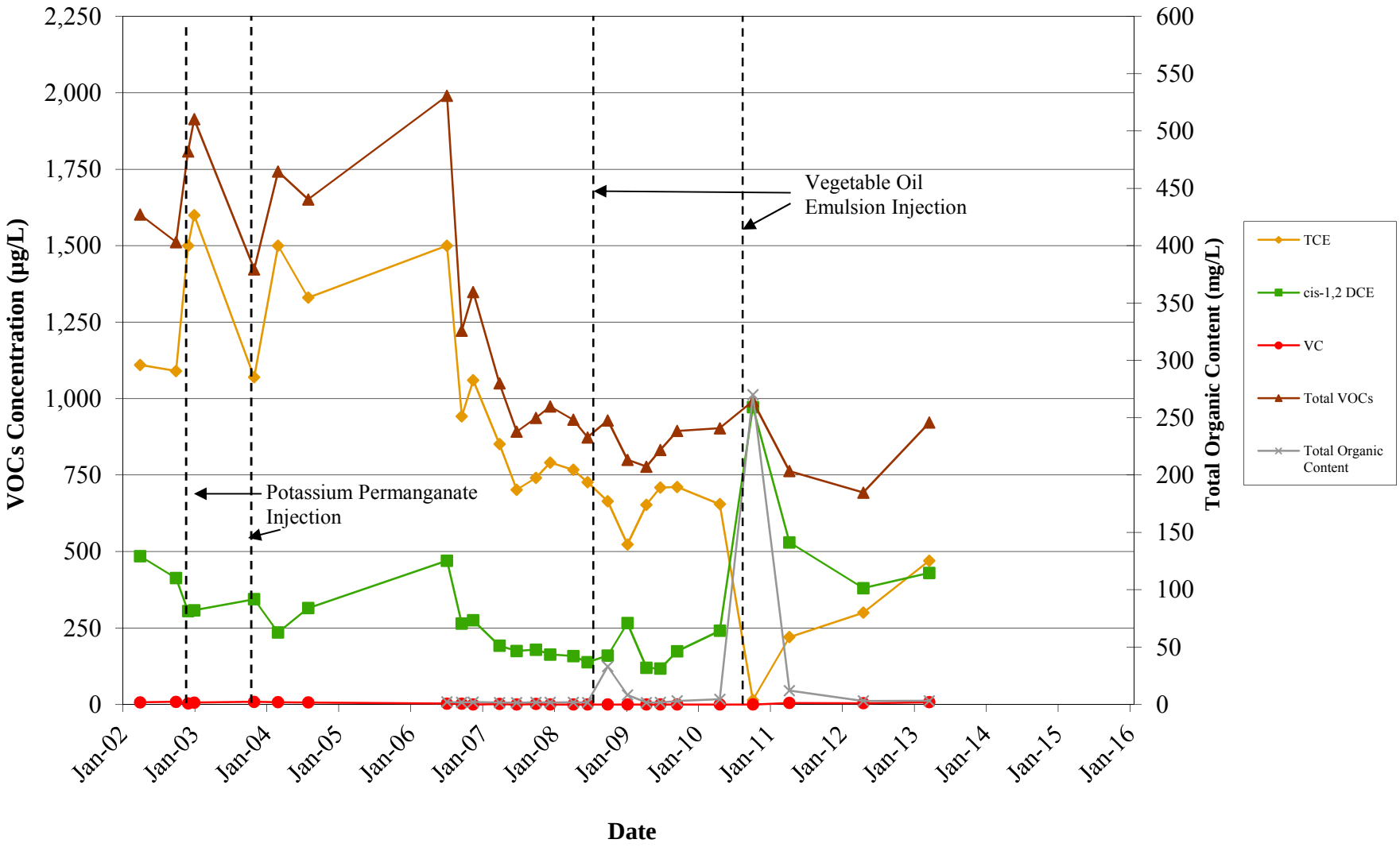
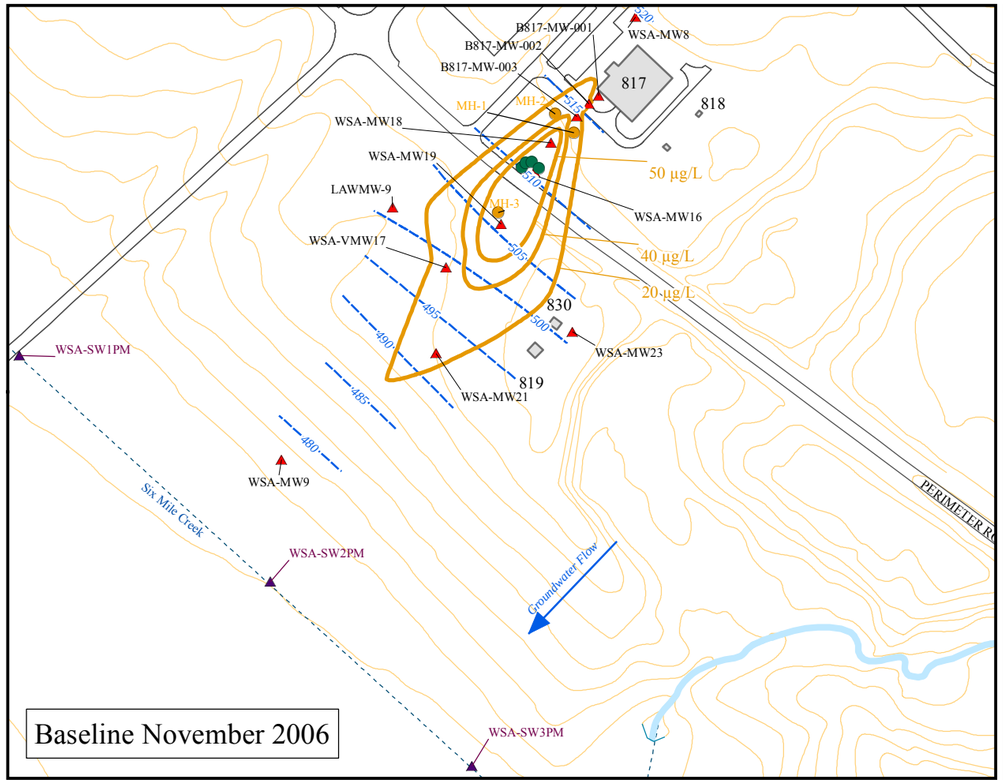
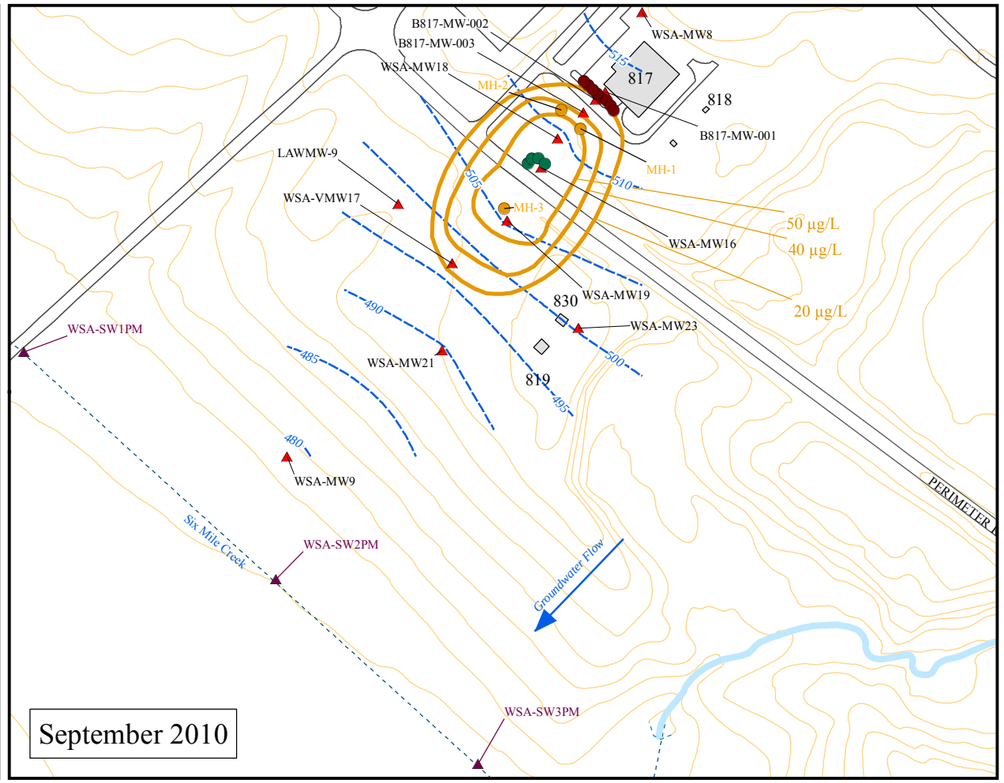
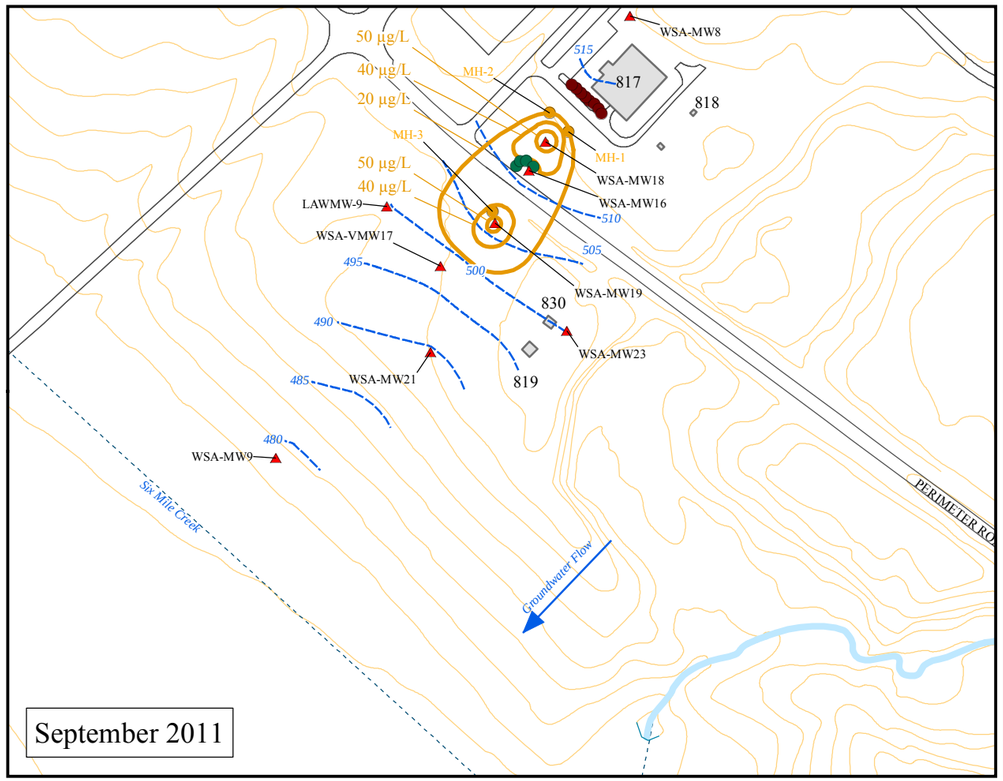


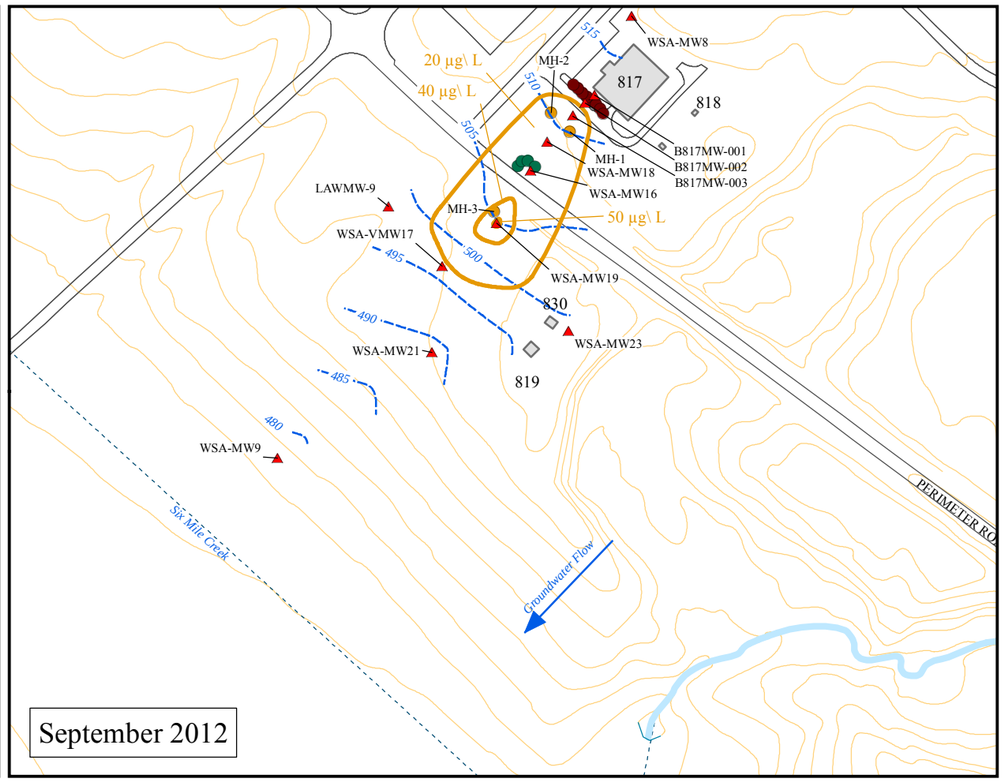
Figure 2-13
LF6MW-12 VOCs Trend

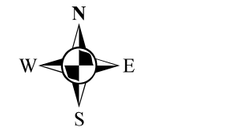


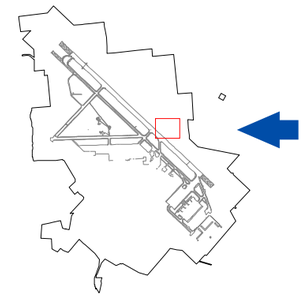












Site Location

Key to Features

- Permanganate Injection Point
- Vegetable Oil Injection Point
- Monitoring Well
- SW Sampling Location
- Manhole
- TCE Contour (µg/L)
- Groundwater Contour (ft. AMSL)
- Culvert
- Storm Drain
- Surface Water
- Road
- Topography (ft. AMSL)
- Demolished Facility
- Existing Facility

Date: August 2013

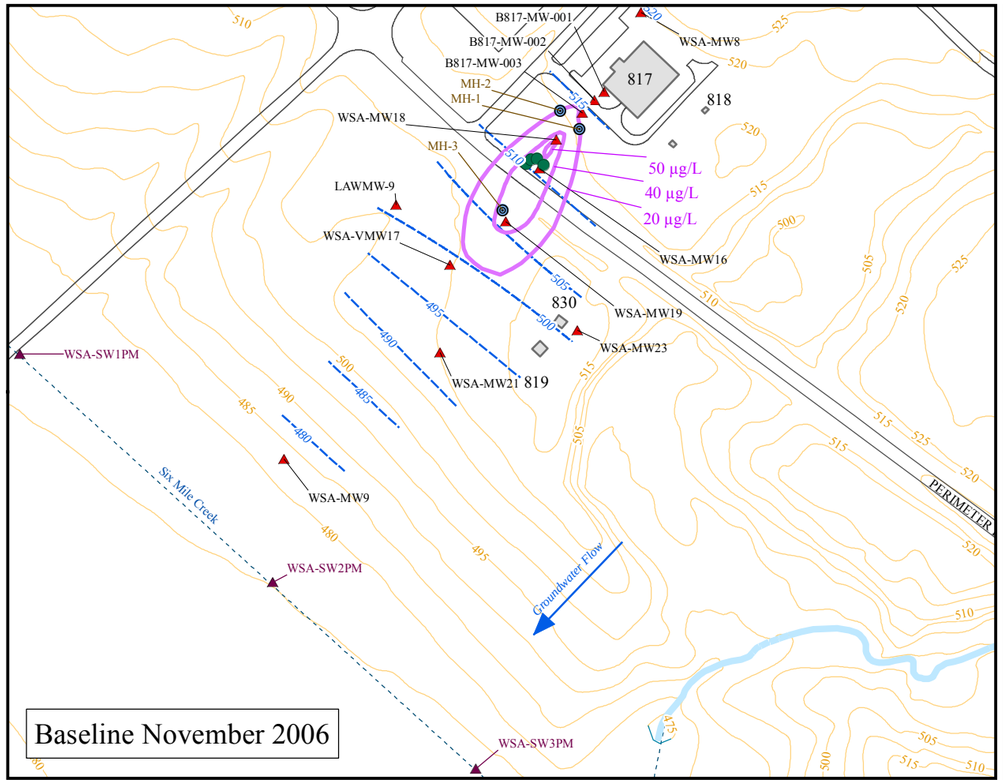
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Feet

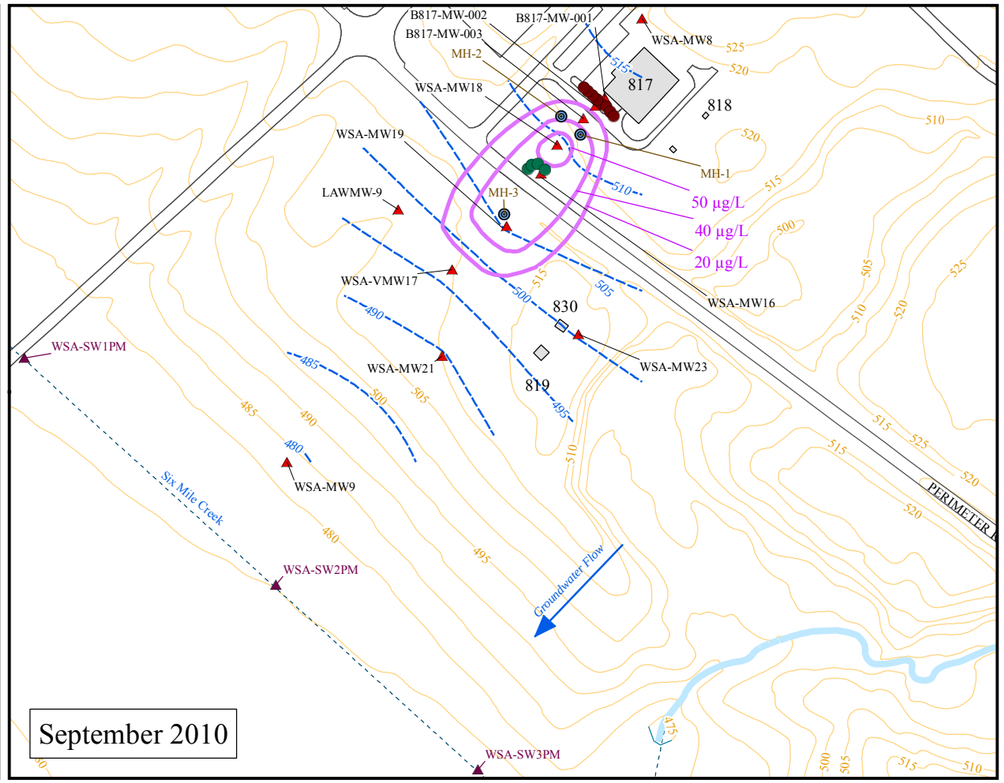
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

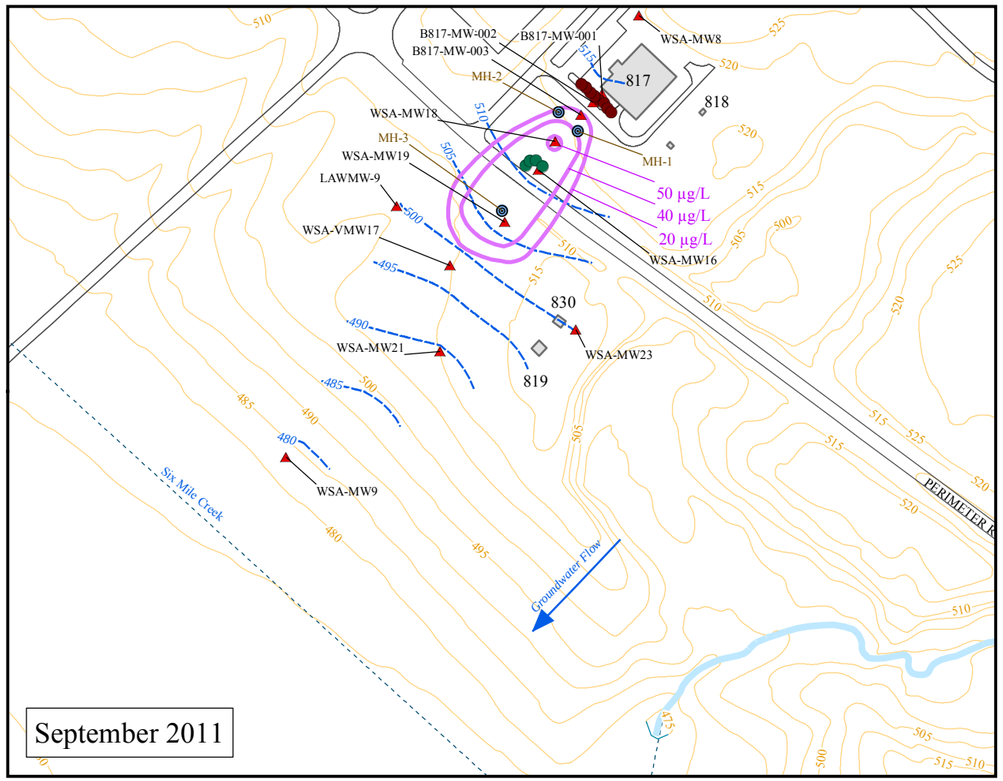
Figure 3-1
Building 817
TCE Plume and Sampling Locations

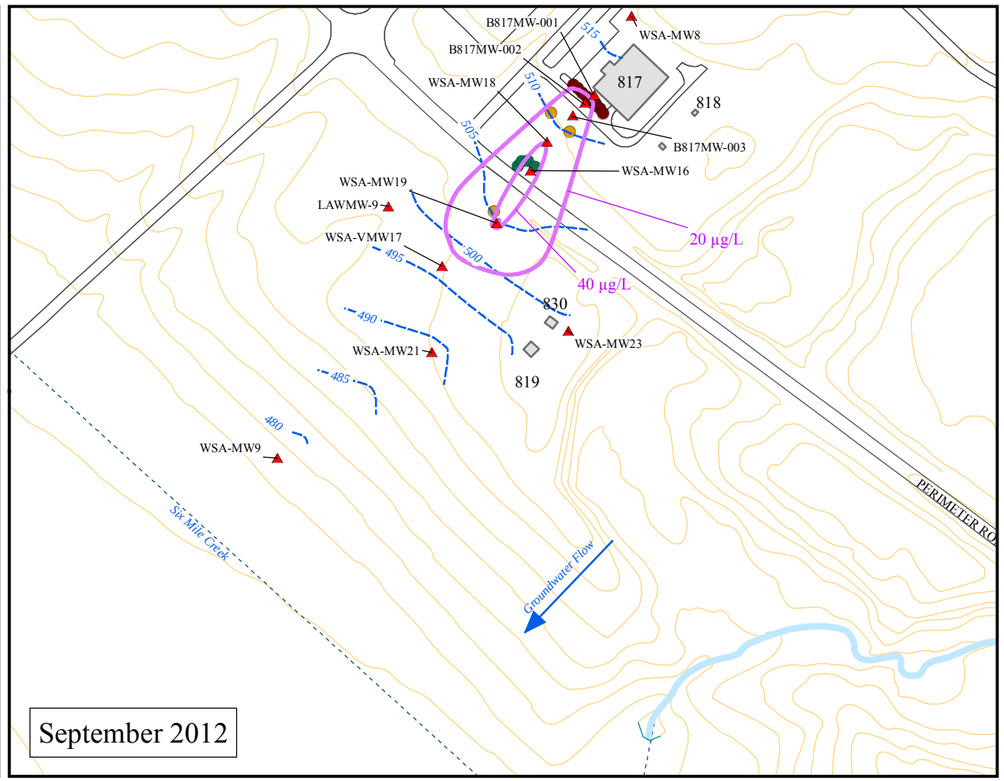
FPM group

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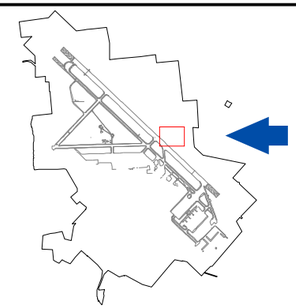












Site Location

Key to Features

- Monitoring Well
- Permanganate Injection Points
- Vegetable Oil Injection Points
- SW Sampling Location
- Manhole
- PCE Contour (µg/L)
- Grounwater Contour (ft. AMSL)
- Culvert
- Storm Drain
- Surface Water
- Road
- Topography (ft. AMSL)

Date: August 2013

0 50 100 150 200 250 500
Feet

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Figure 3-2
Building 817
PCE Plume and Sampling Locations

FPM group

Path: Y:\GIS_Projects\Griffiss\Projects\717-06-03\PM_Quarterly_Reports\Fall2012\Projects\Fig_3-2_B817_PCE_Plume.mxd

Figure 3-3
LAWMW-9 VOCs Trend

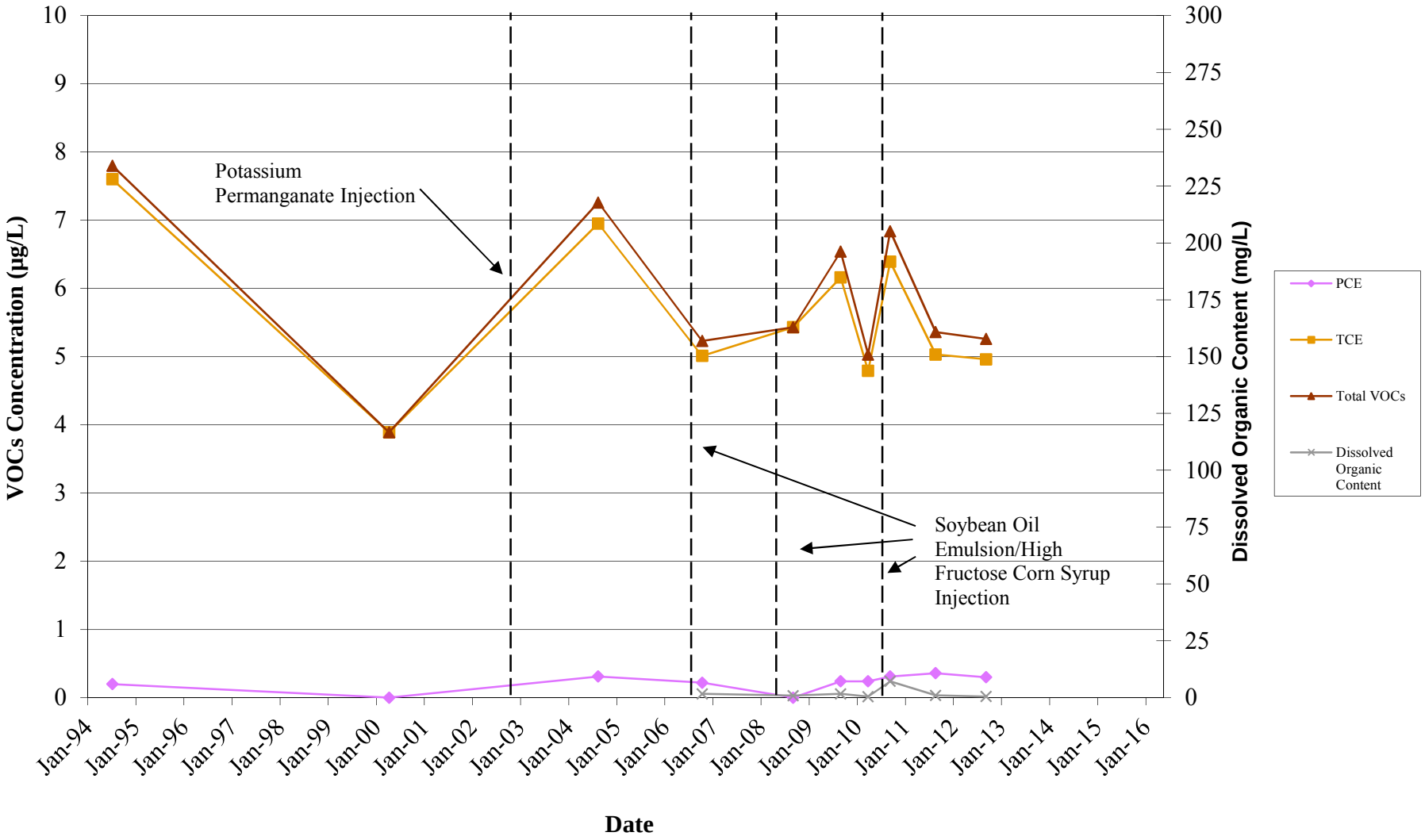


Figure 3-4
WSA-MW8 VOCs Trend

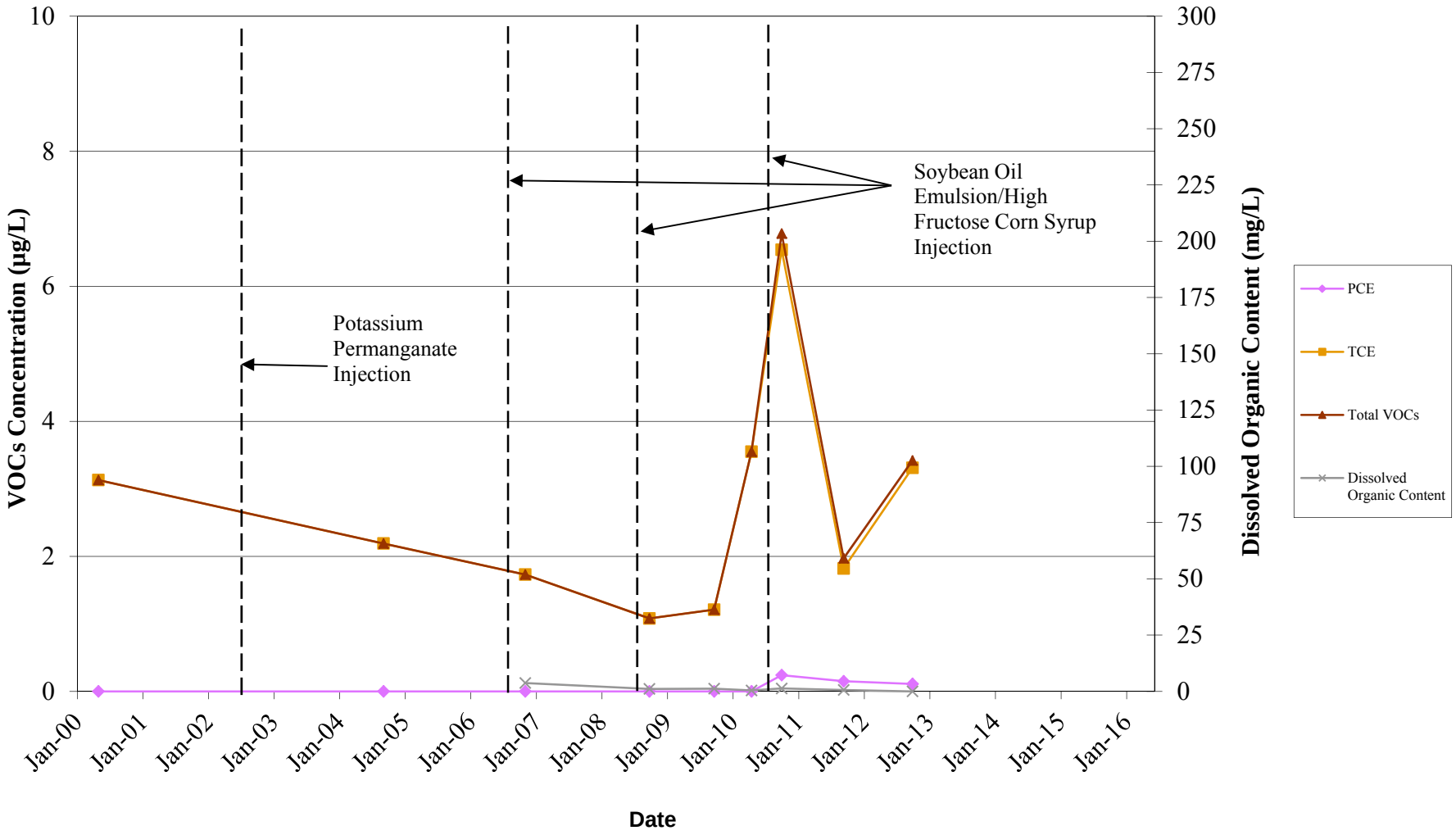


Figure 3-5
WSA-MW16 VOCs Trend

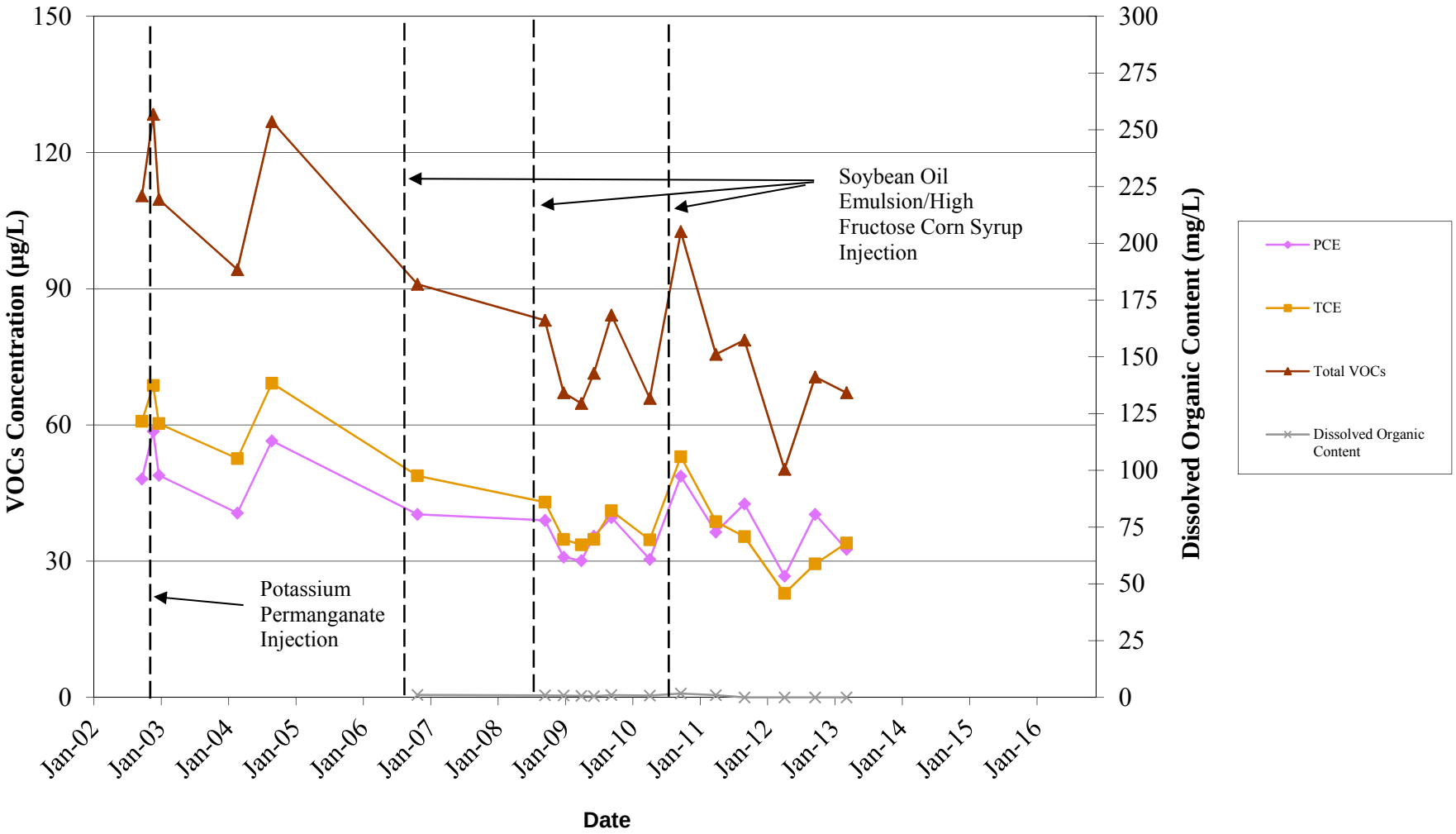


Figure 3-6
WSA-VMW17 VOCs Trend

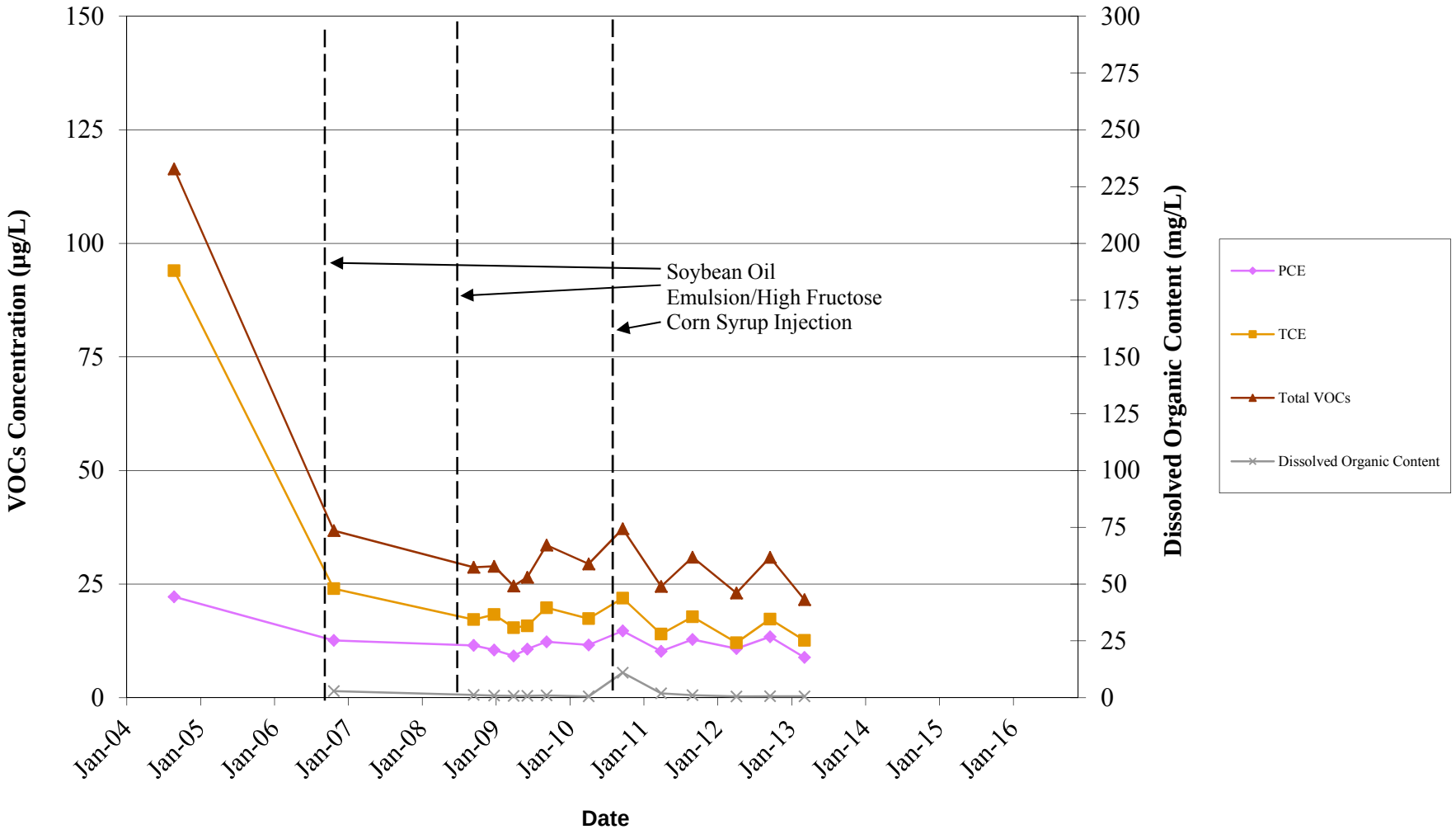


Figure 3-7
WSA-MW18 VOCs Trend

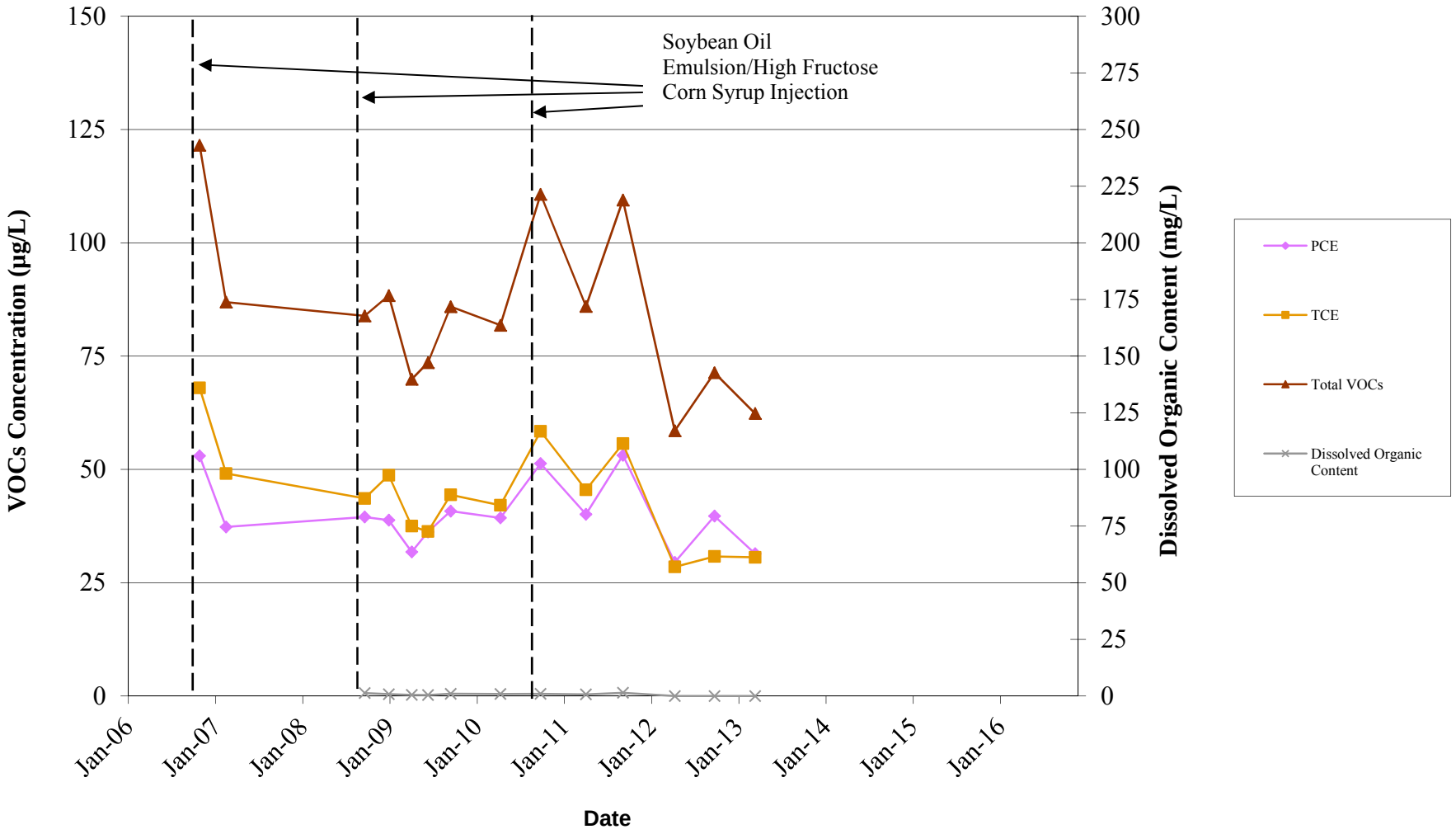


Figure 3-8
WSA-MW19 VOCs Trend

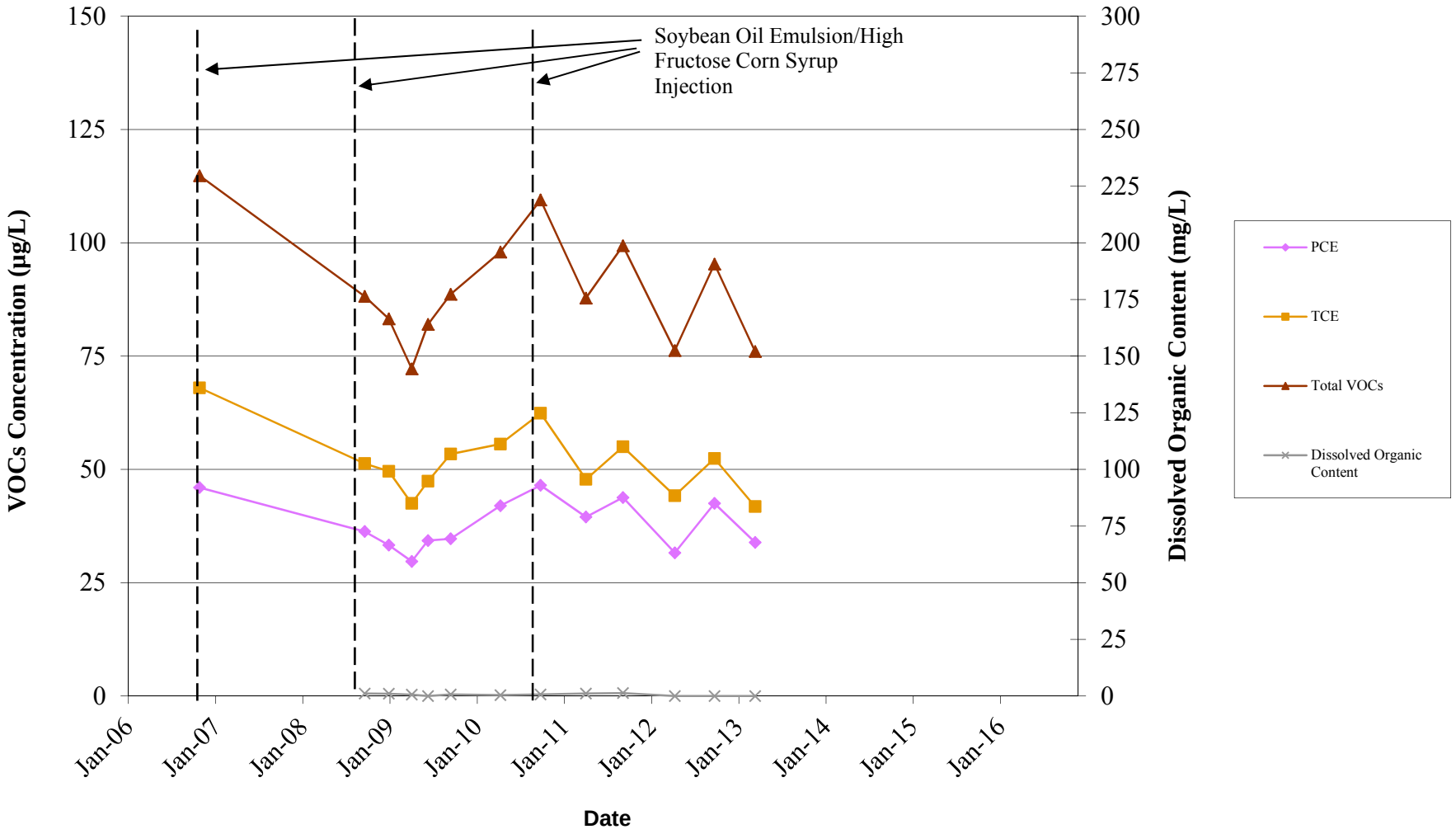
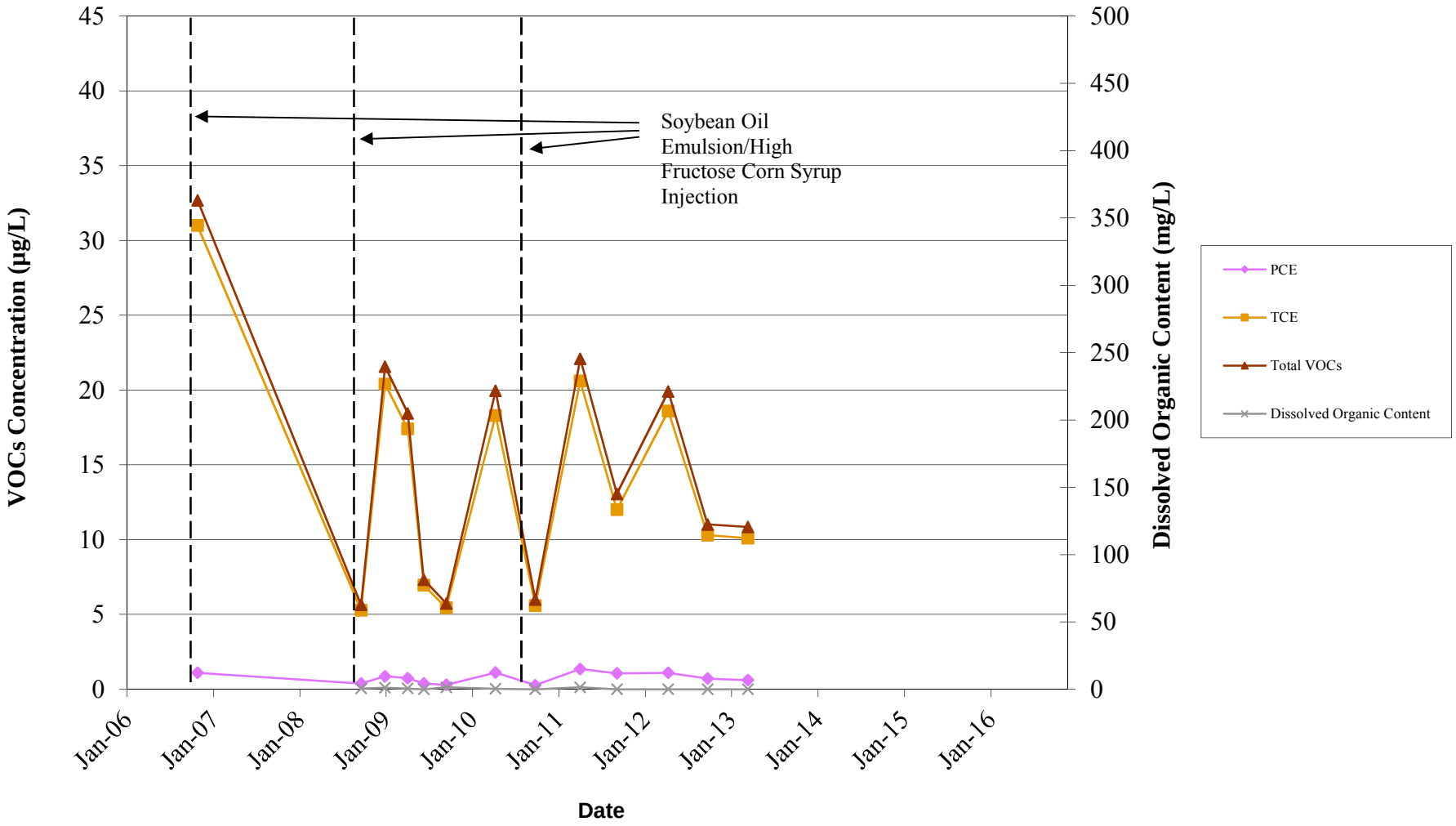
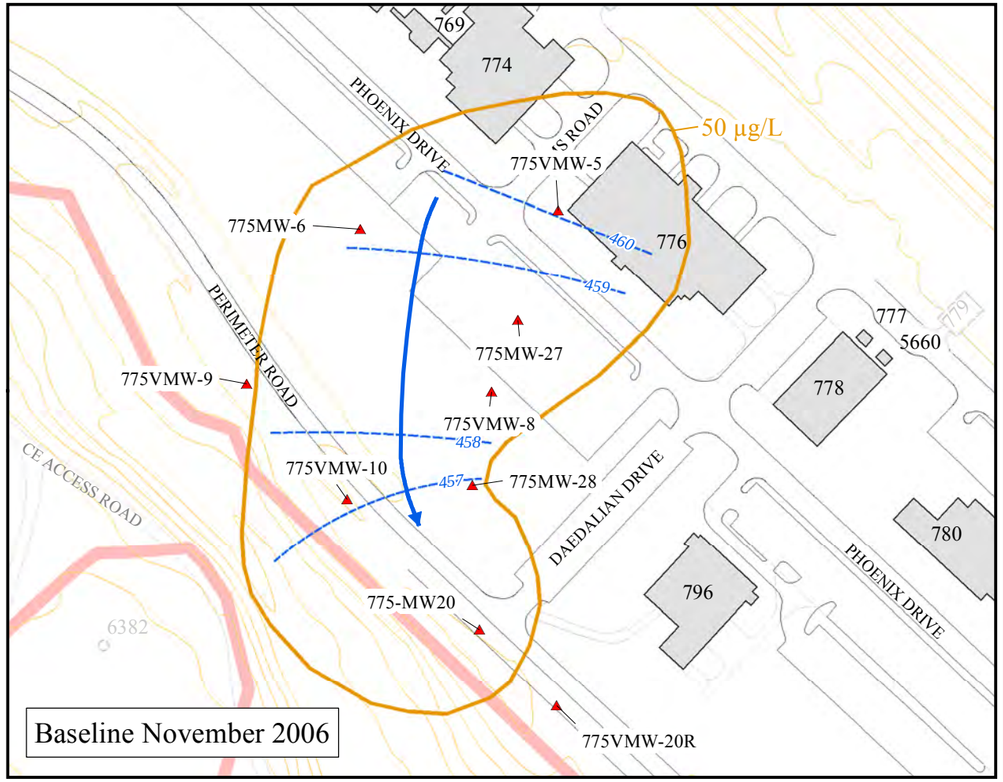
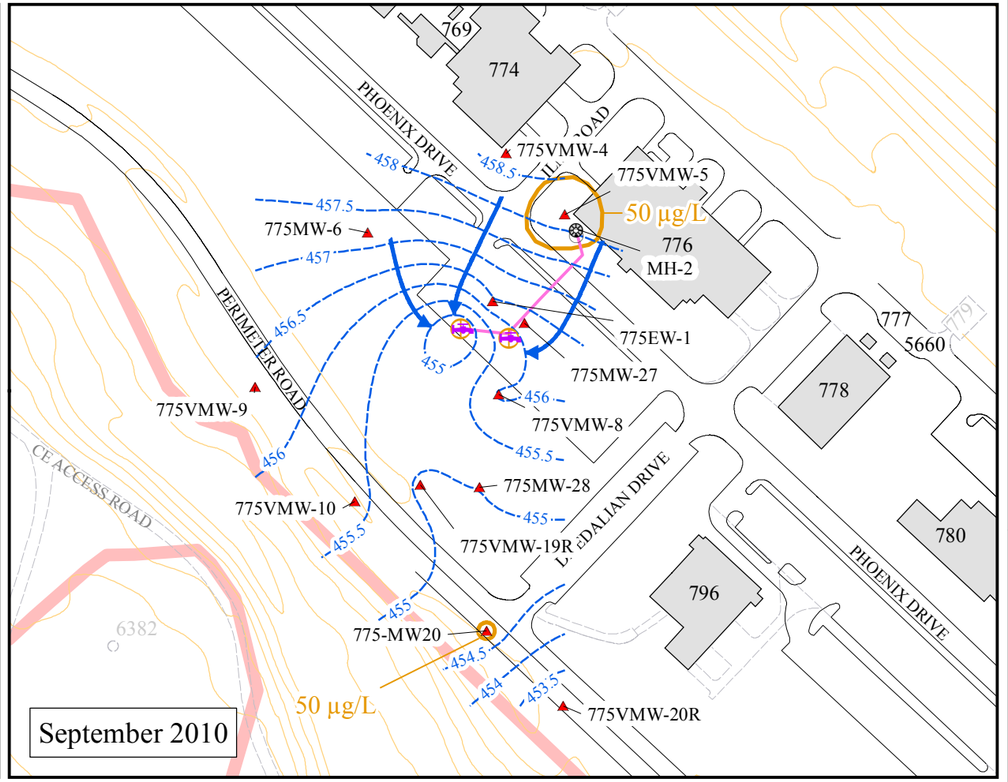
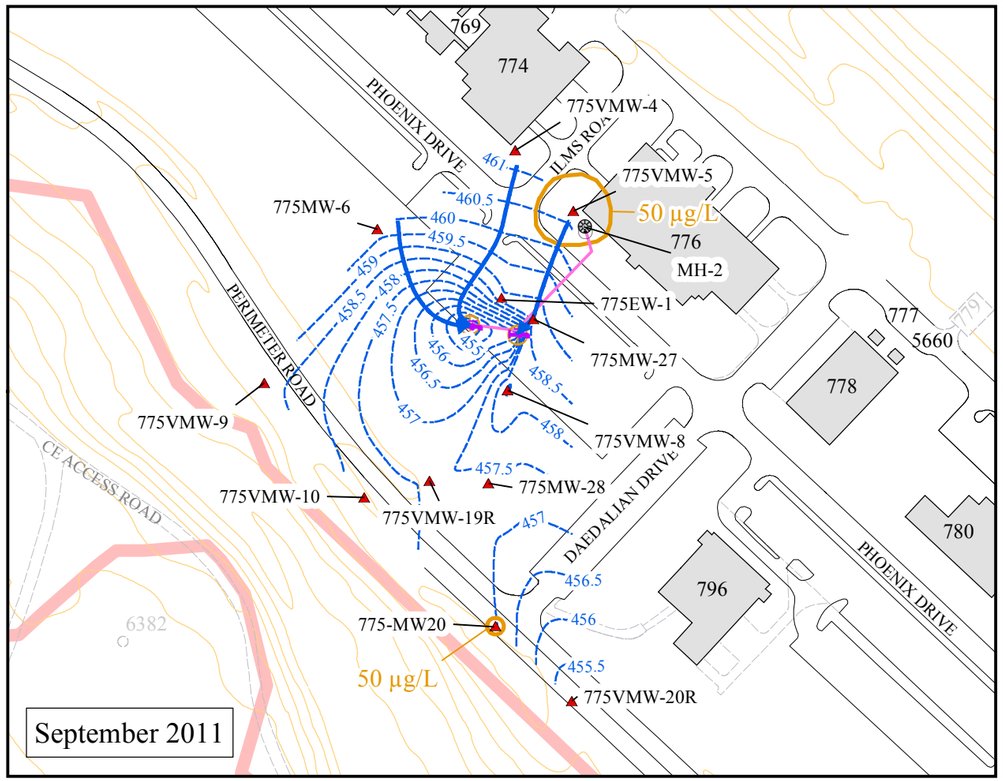


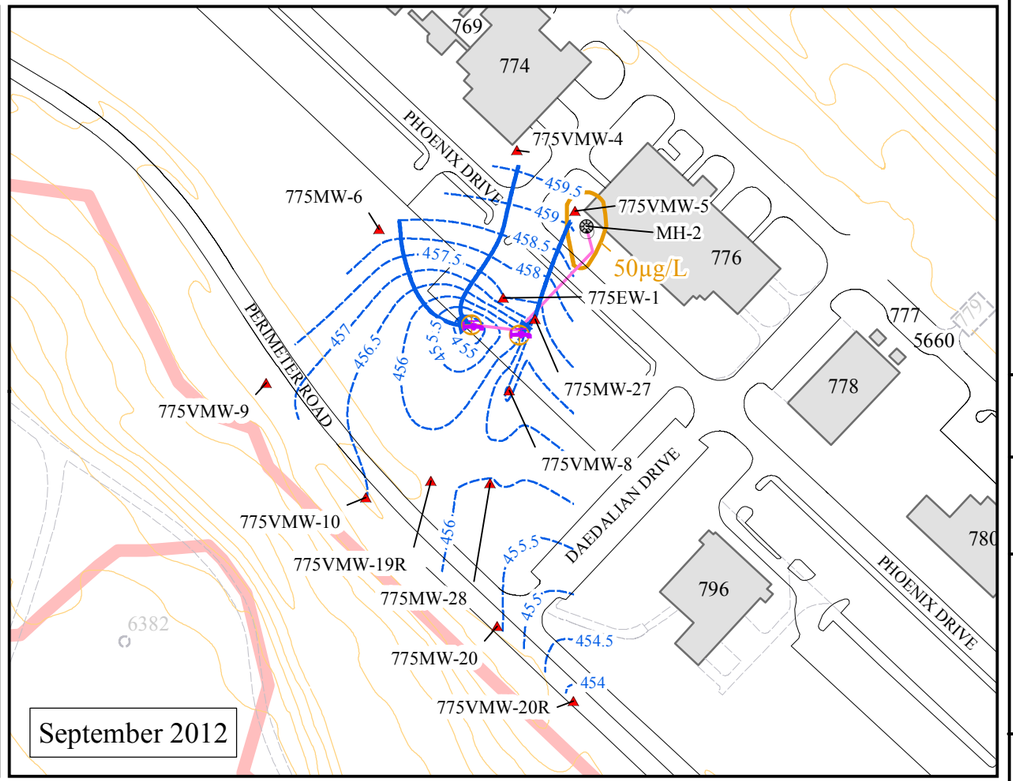
Figure 3-9
WSA-MW21 VOCs Trend



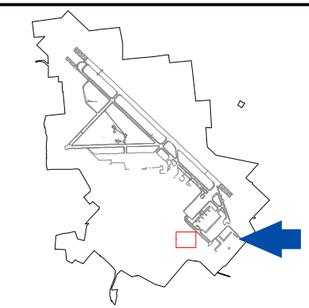












Site Location

Key to Features

- Monitoring Well
- EW Valve
- Extraction Well
- Manhole MH-2
- Meter
- Groundwater Contour (ft. AMSL)
- Groundwater Flow Direction
- Force Main
- Existing Road/ Airfield
- Removed Road/ Airfield
- Topography (ft. AMSL)
- TCE Contour (µg/L)
- Existing Facility
- Demolished Facility
- Landfill 6 Boundary

Date: August 2013

0 50 100 150 200 250 500
Feet

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Figure 4-1
Building 775
TCE Plume and Sampling Locations

FPM group

Path: Y:\GIS_Projects\Griffiss\Projects\717-06-03\PM_Quarterly_Reports\Fall2012\Projects\Fig_4-1_B775_TCE_Plume.mxd

Figure 4-2
775VMW-4 VOCs Trend

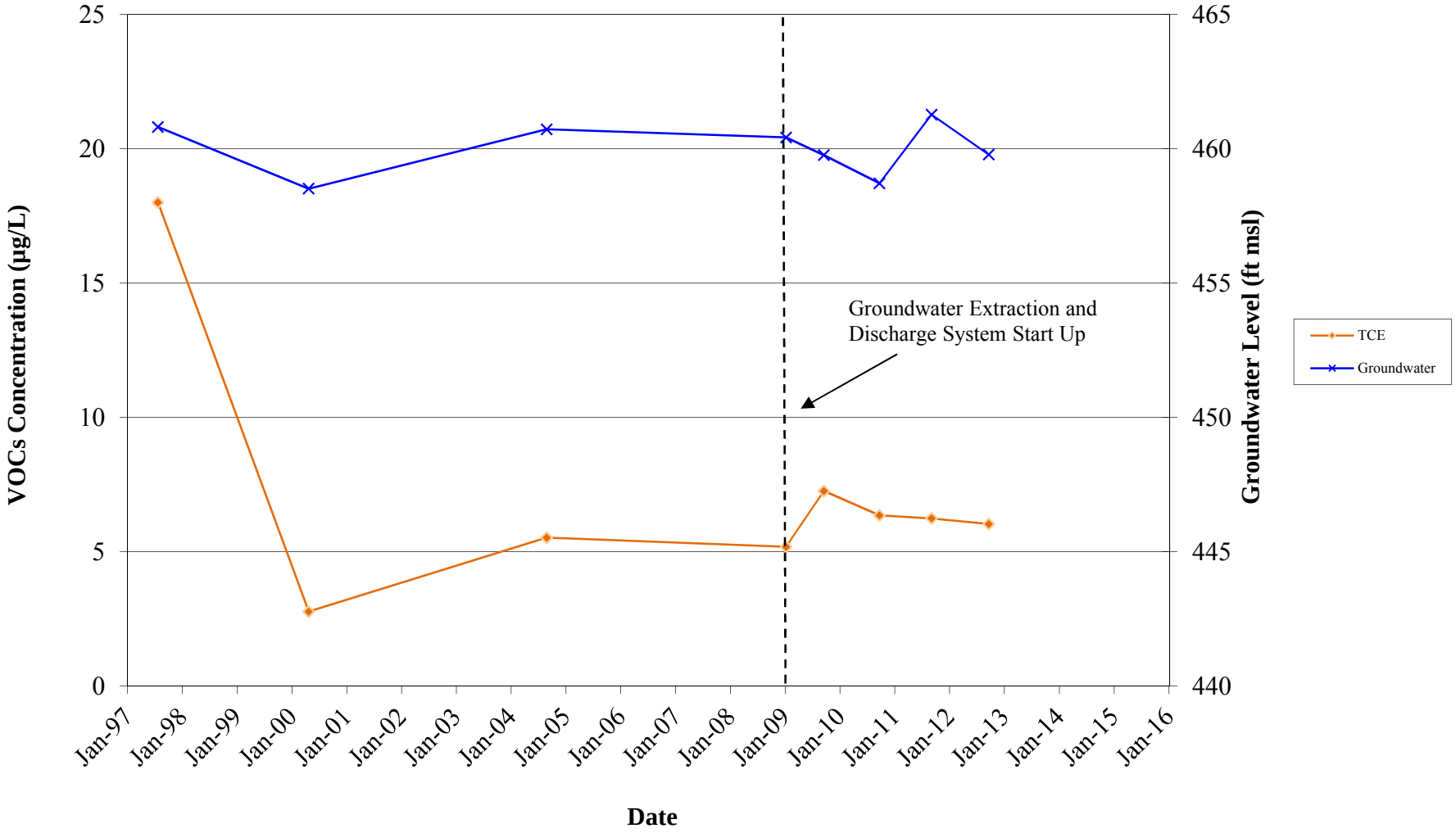


Figure 4-3
775VMW-5 VOCs Trend

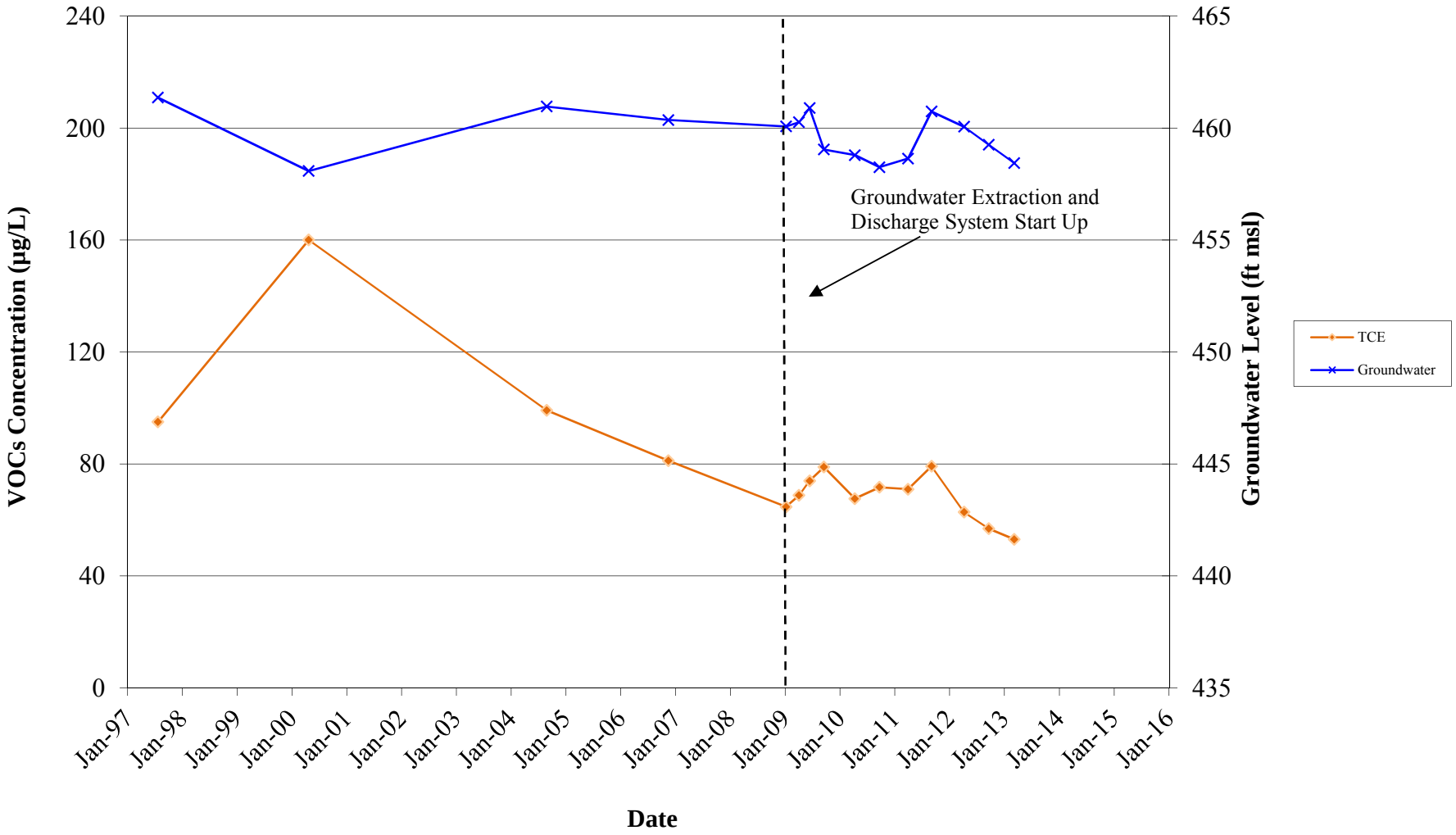


Figure 4-4
775MW-6 VOCs Trend

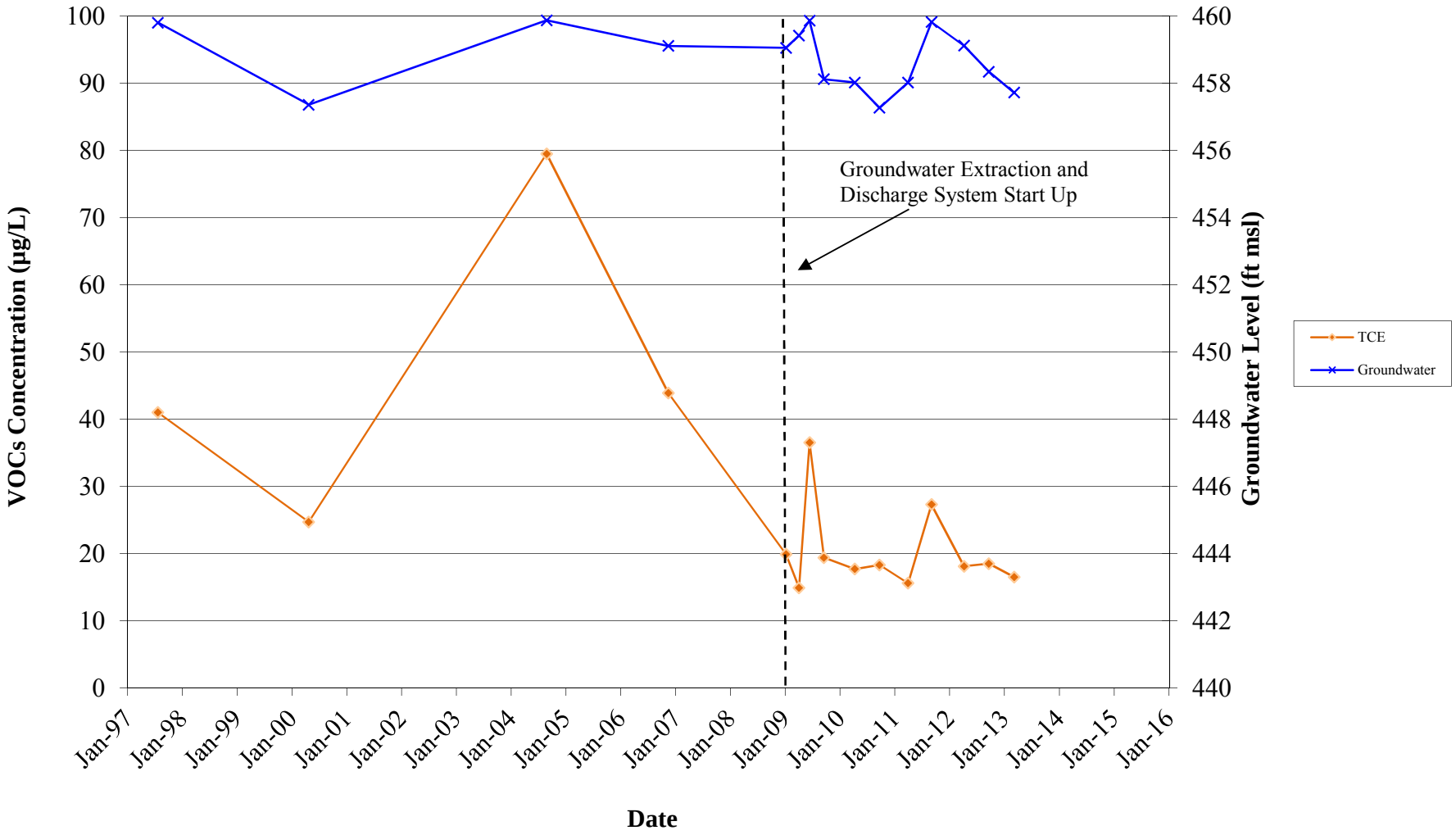


Figure 4-5
775VMW-8 VOCs Trend

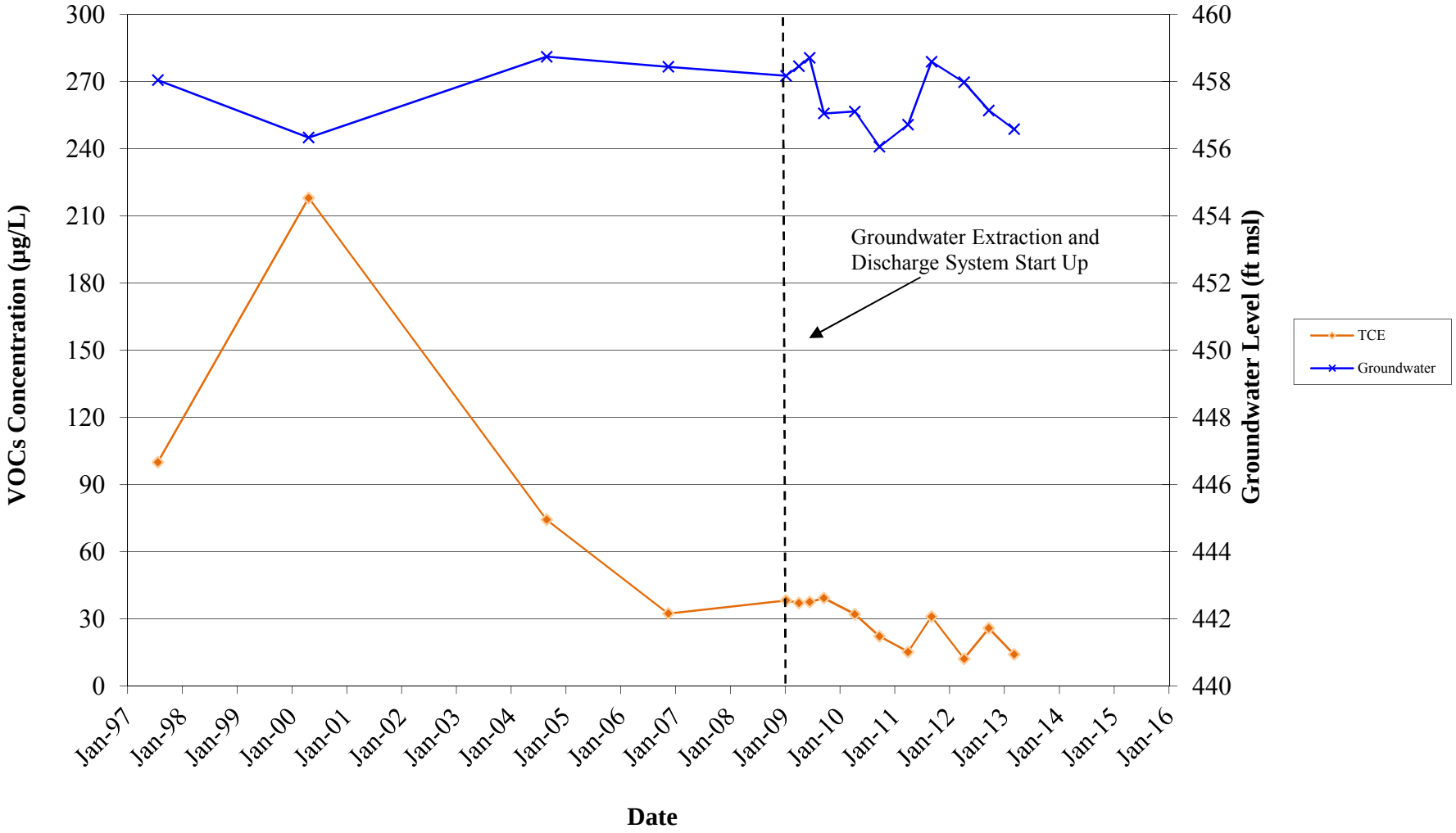


Figure 4-6
775VMW-9 VOCs Trend

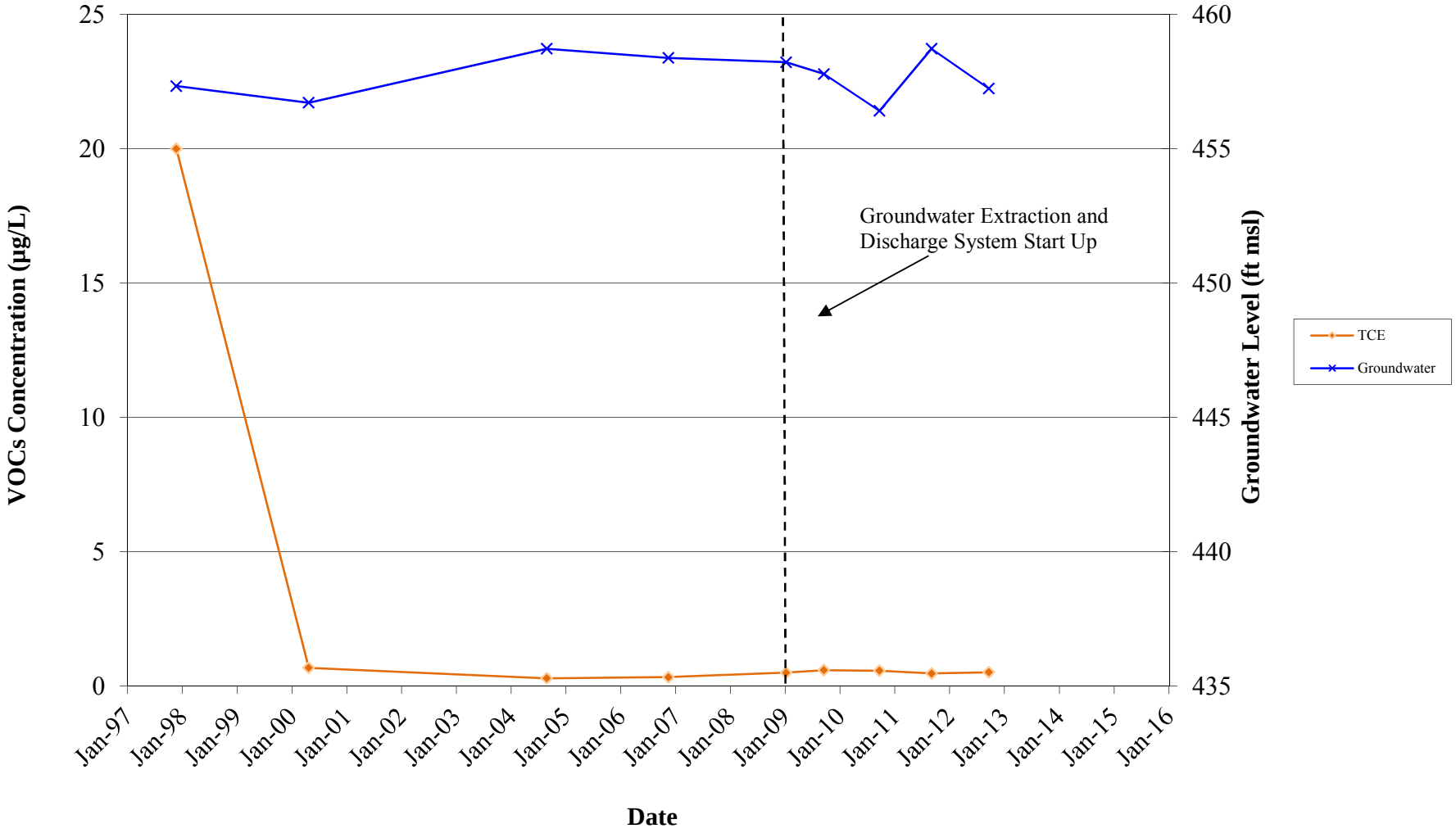


Figure 4-7
775VMW-10 VOCs Trend

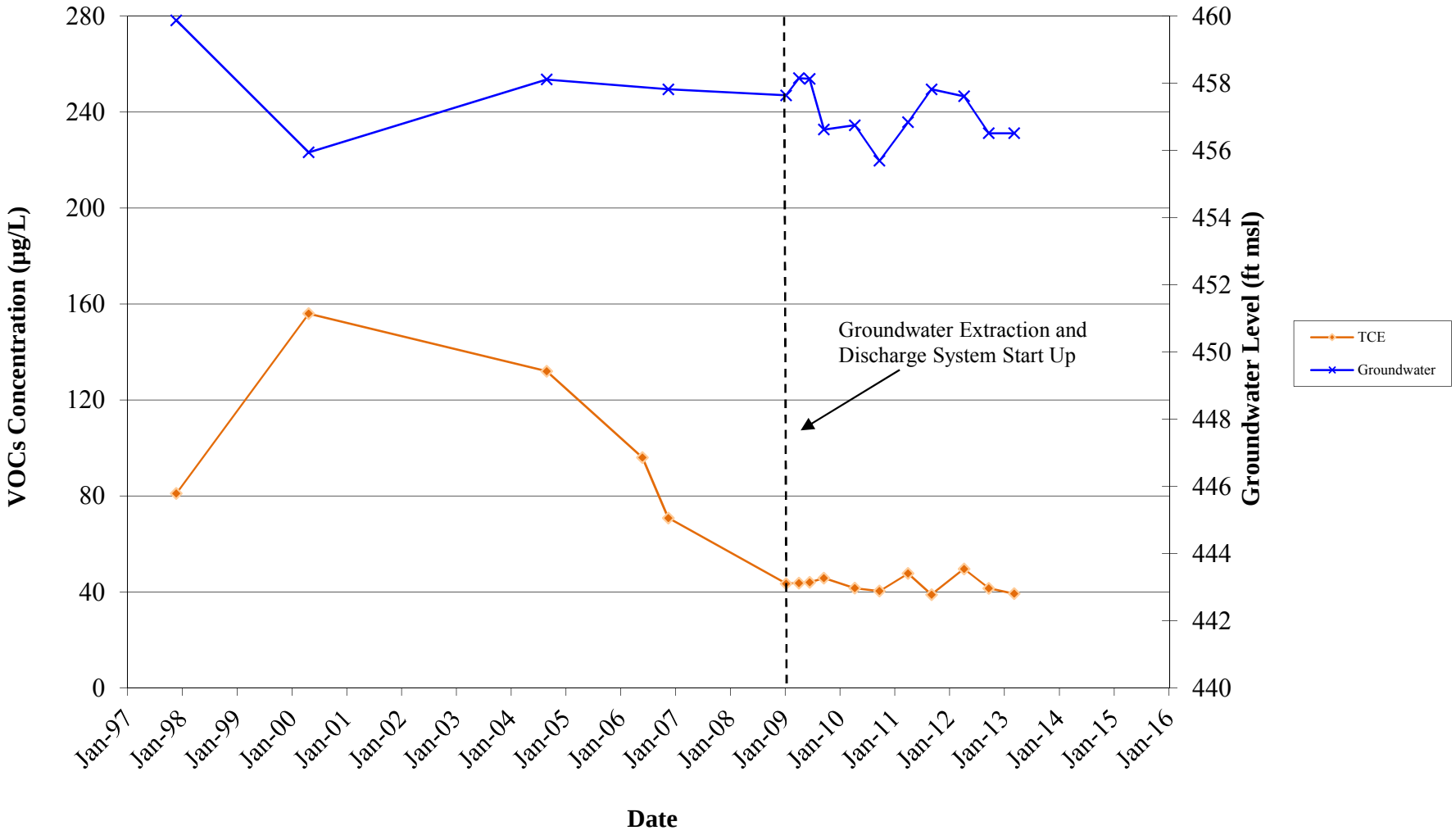


Figure 4-8
775MW-20 VOCs Trend

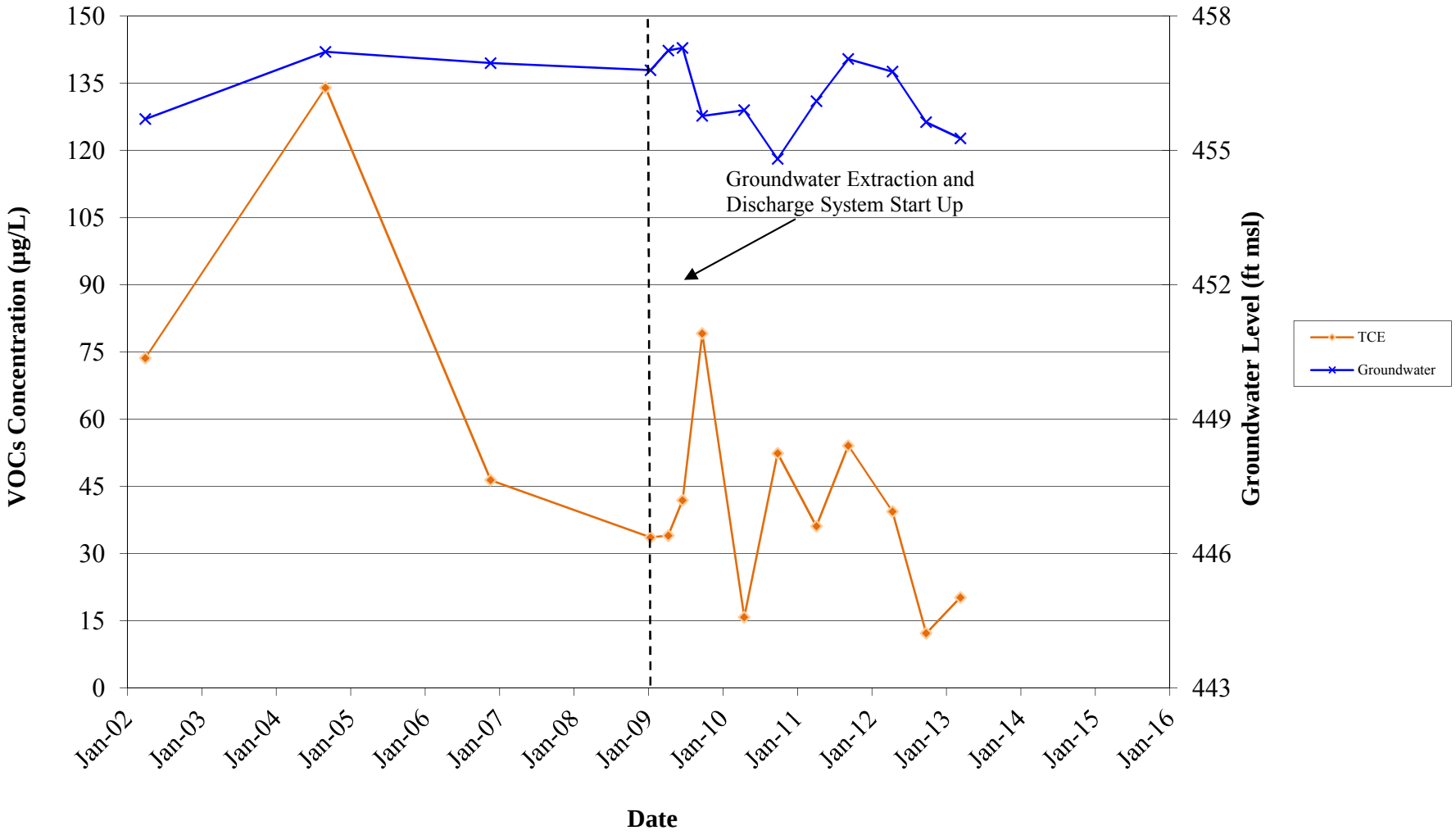


Figure 4-9
775MW-27 VOCs Trend

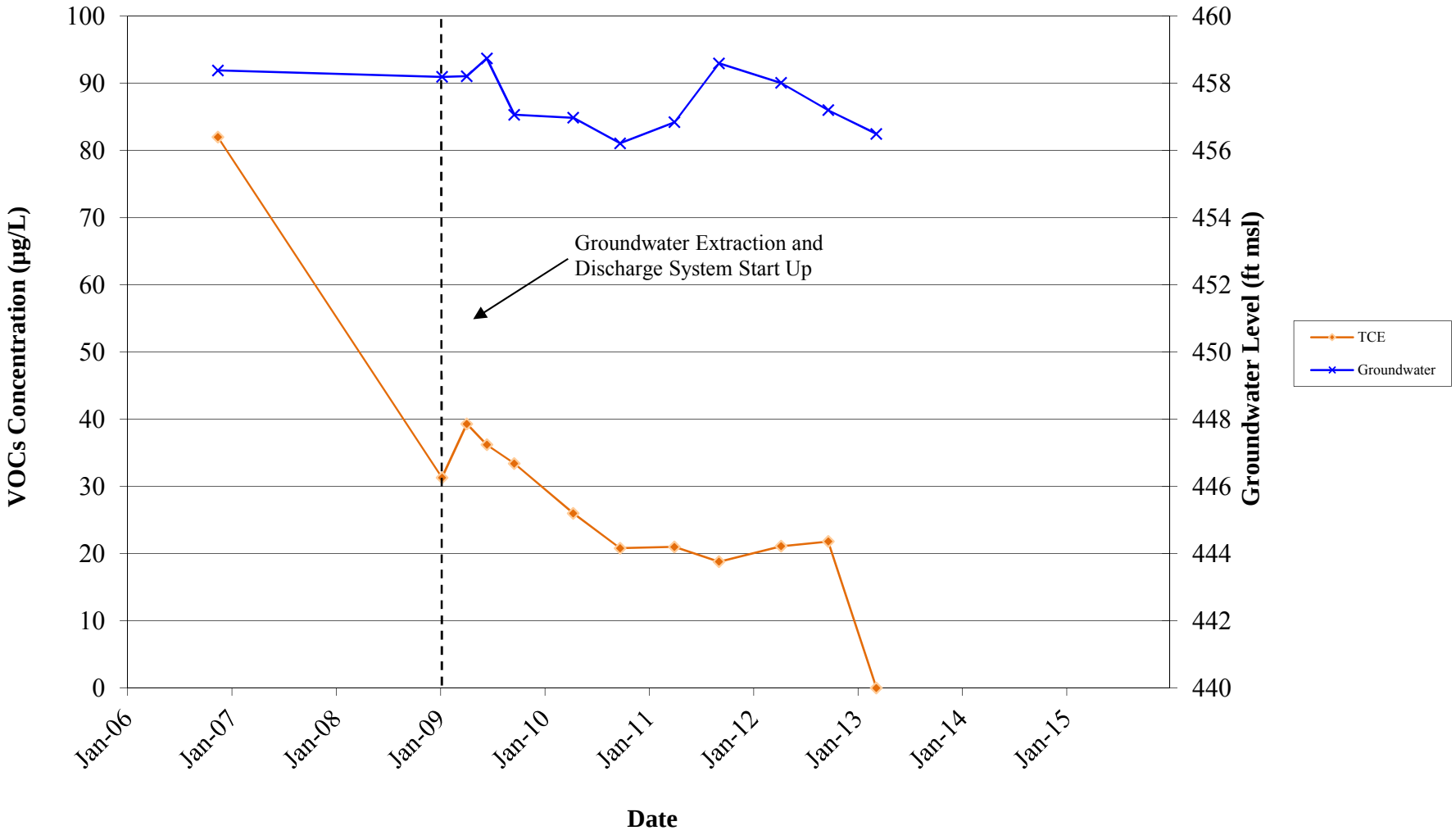


Figure 4-10
775MW-28 VOCs Trend

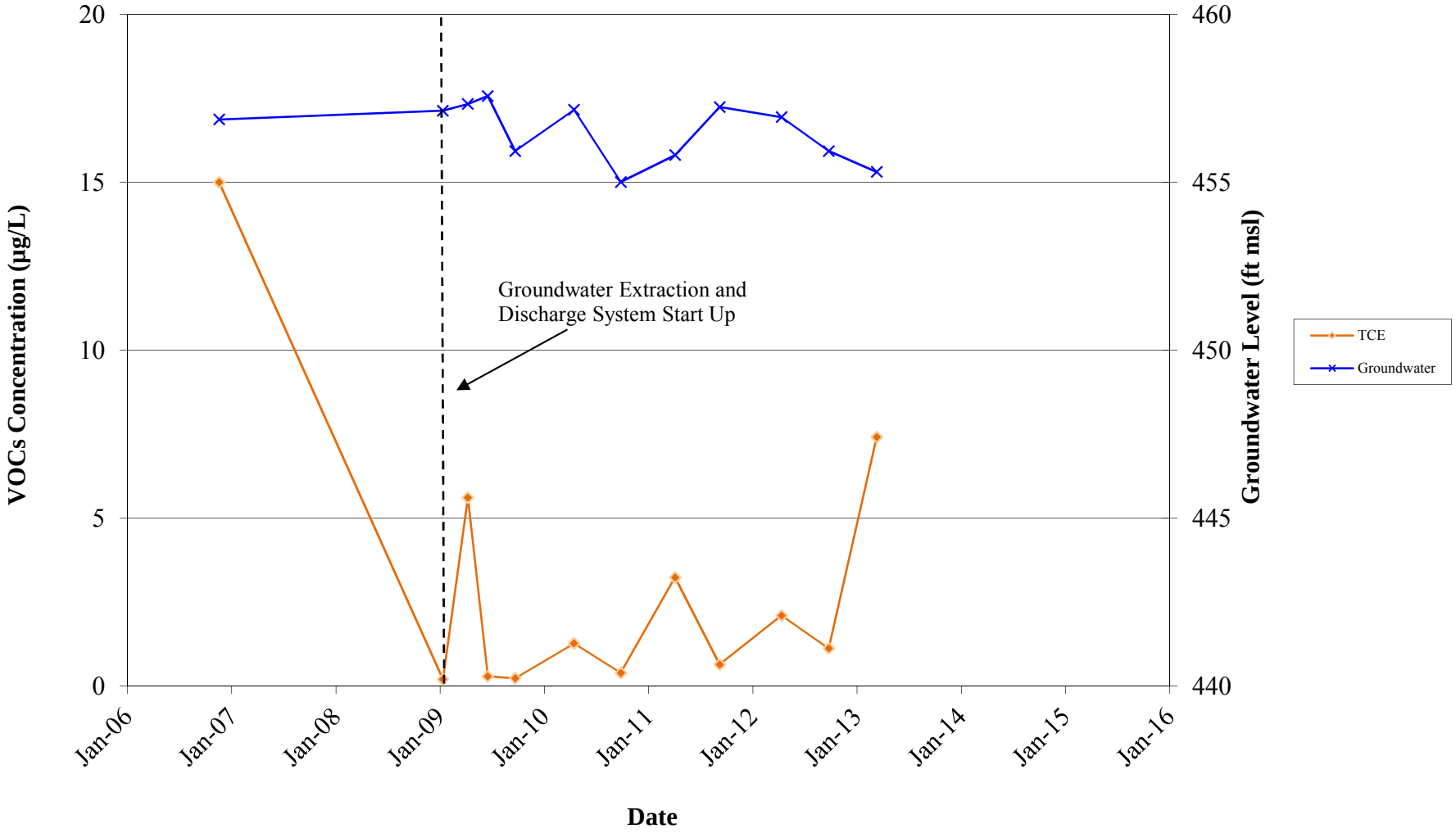
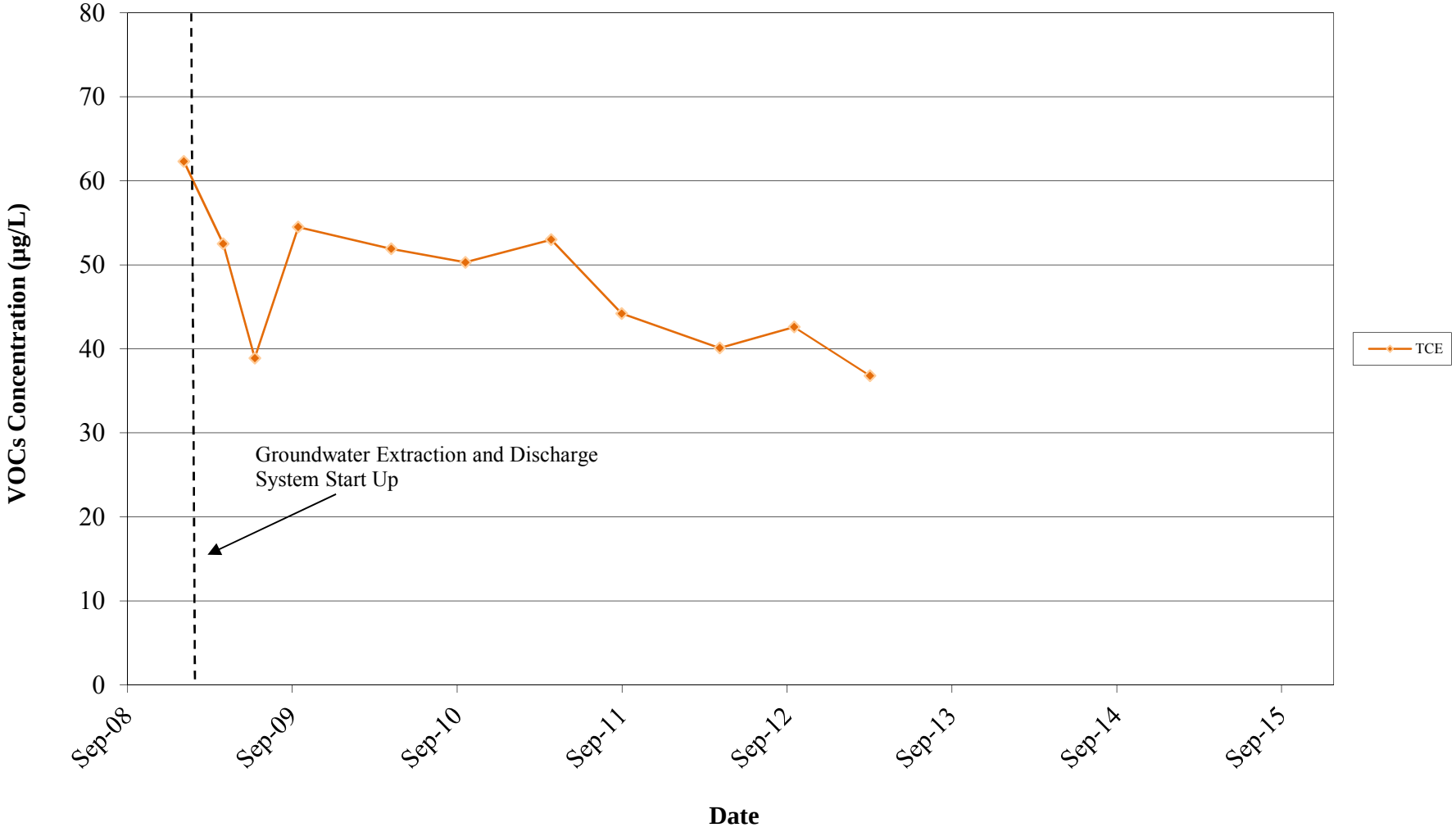
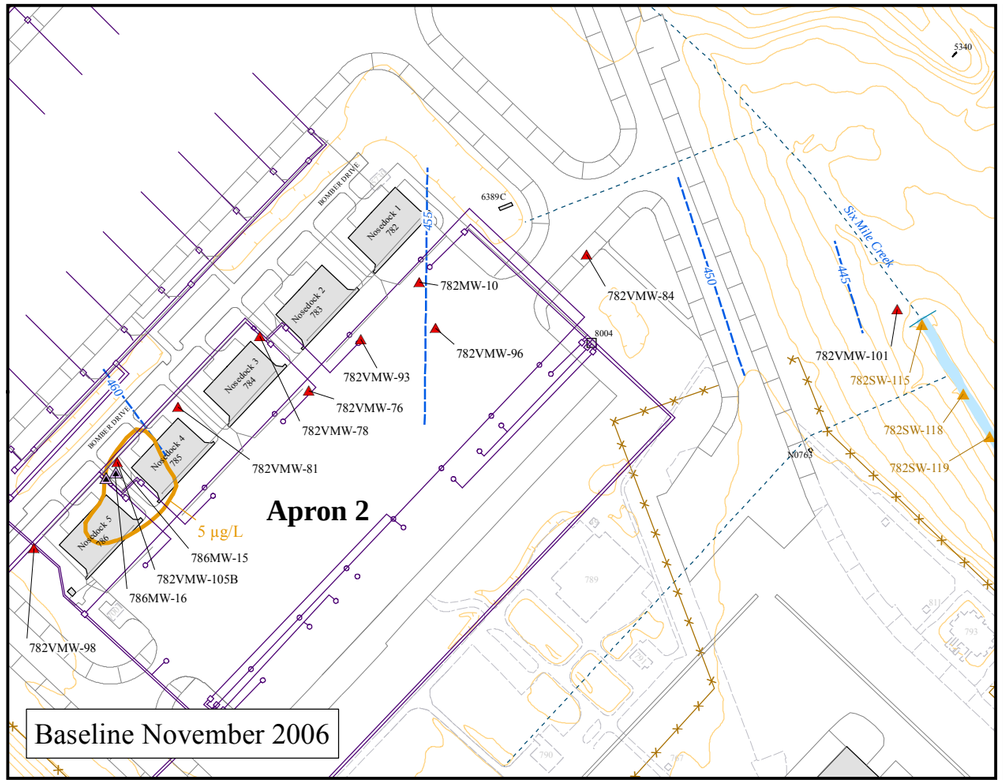
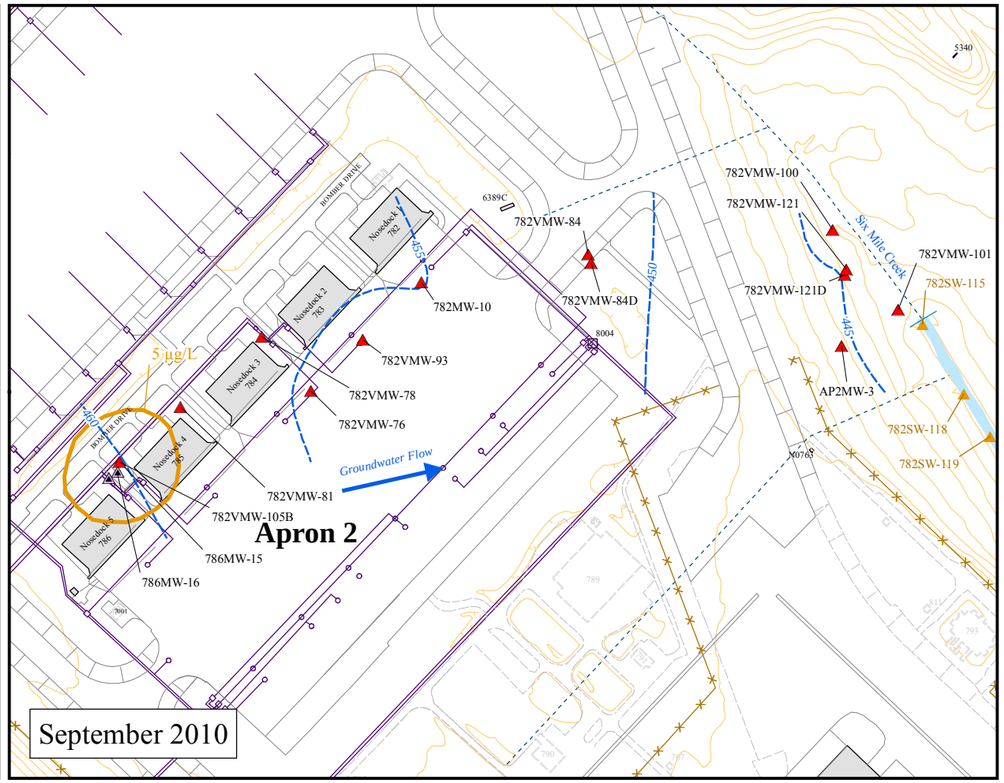
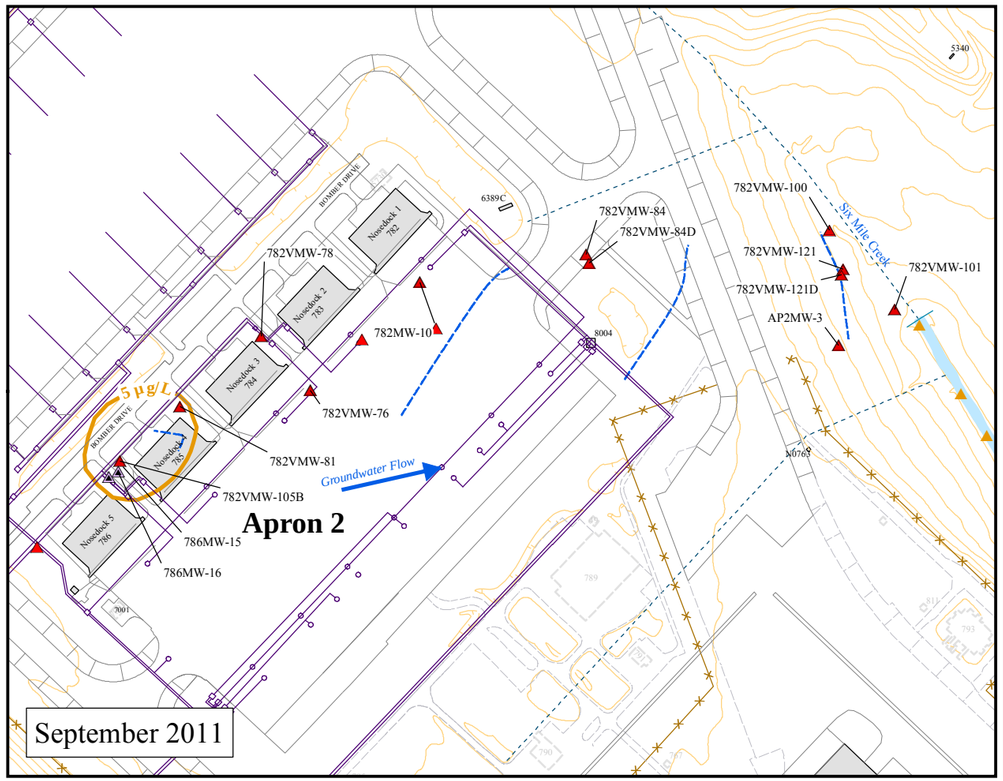


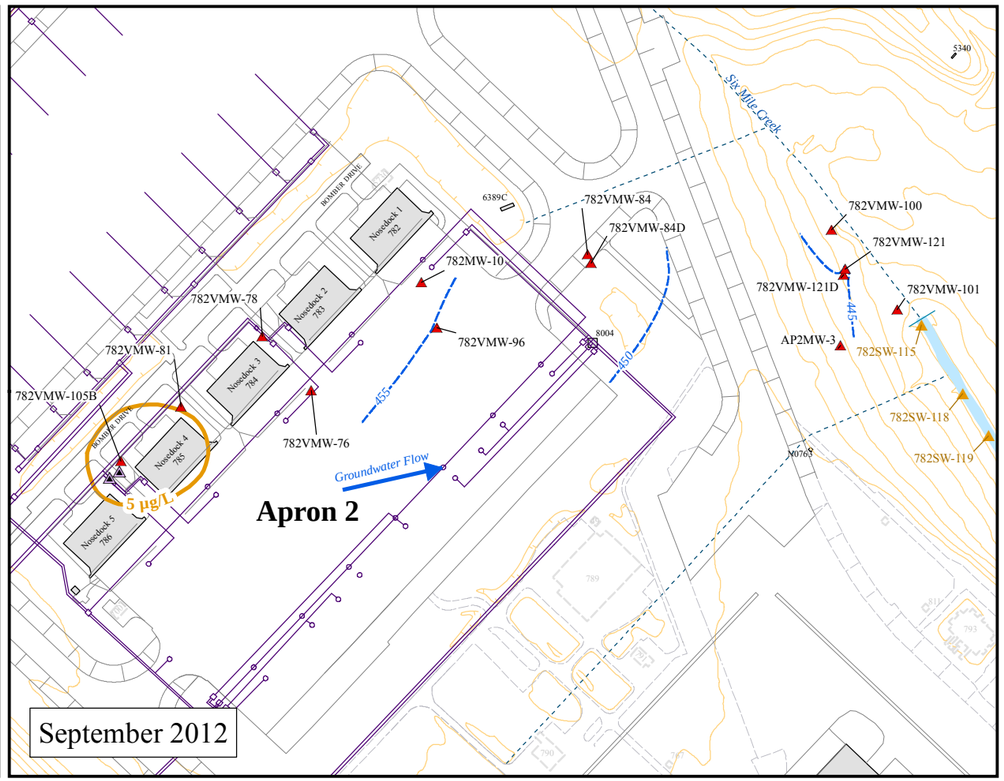
Figure 4-11
Effluent 1 VOCs Discharge



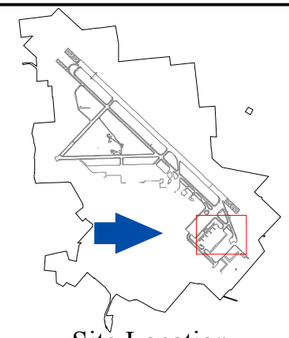








N
W E
S



Site Location

Key to Features

- Monitoring Well
- Surface Water Location
- Petroleum Monitoring Well
- Fence (Removed)
- Wash Waste System
- Pipeline
- Culvert
- Storm Drain
- Surface Water
- Topography (ft. AMSL)
- Existing Road/ Airfield
- Demolished Road/ Airfield
- Groundwater Contour (ft. AMSL)
- TCE Contour (5ug/L)
- Existing Facilities
- Demolished Facilities

Date: August 2013

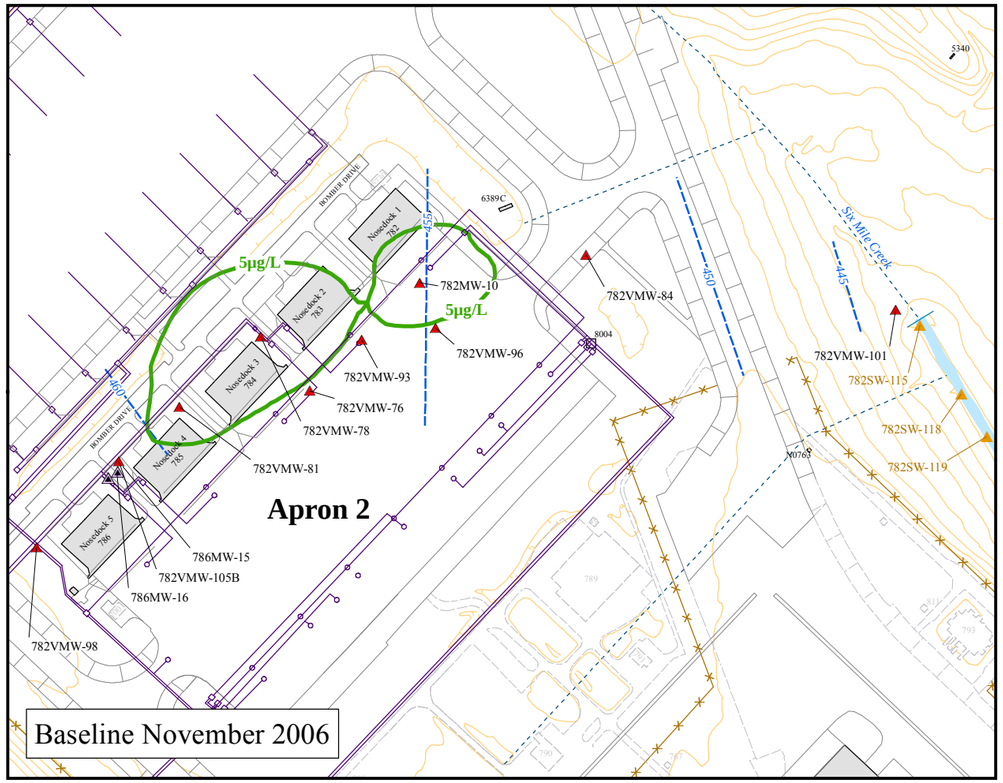
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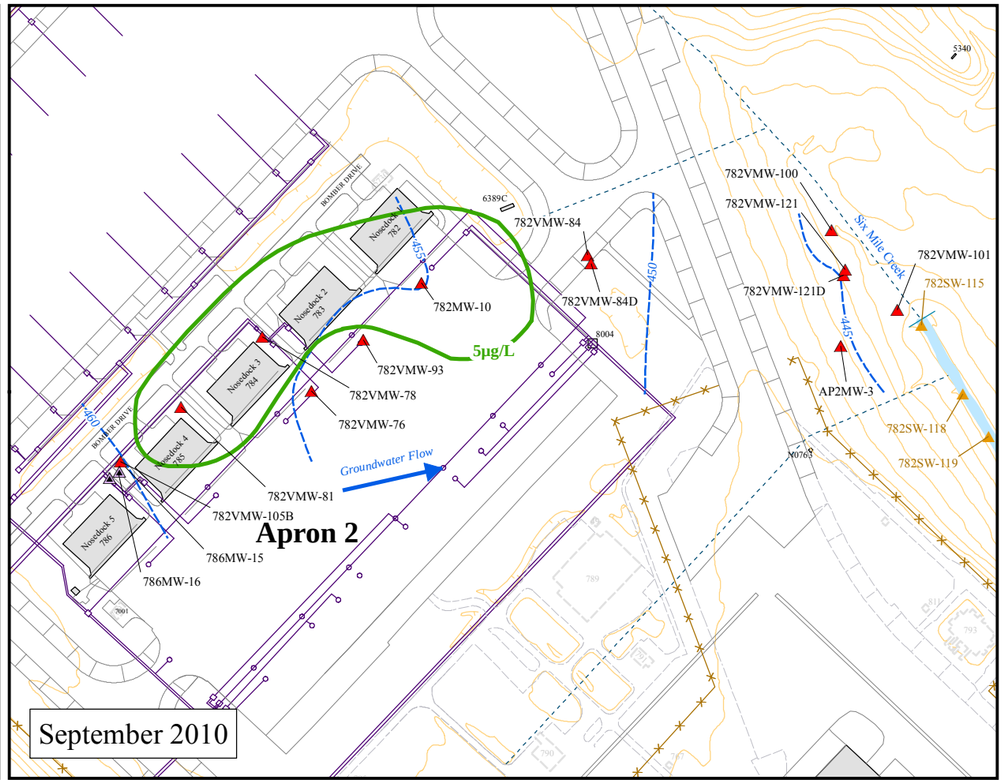
UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

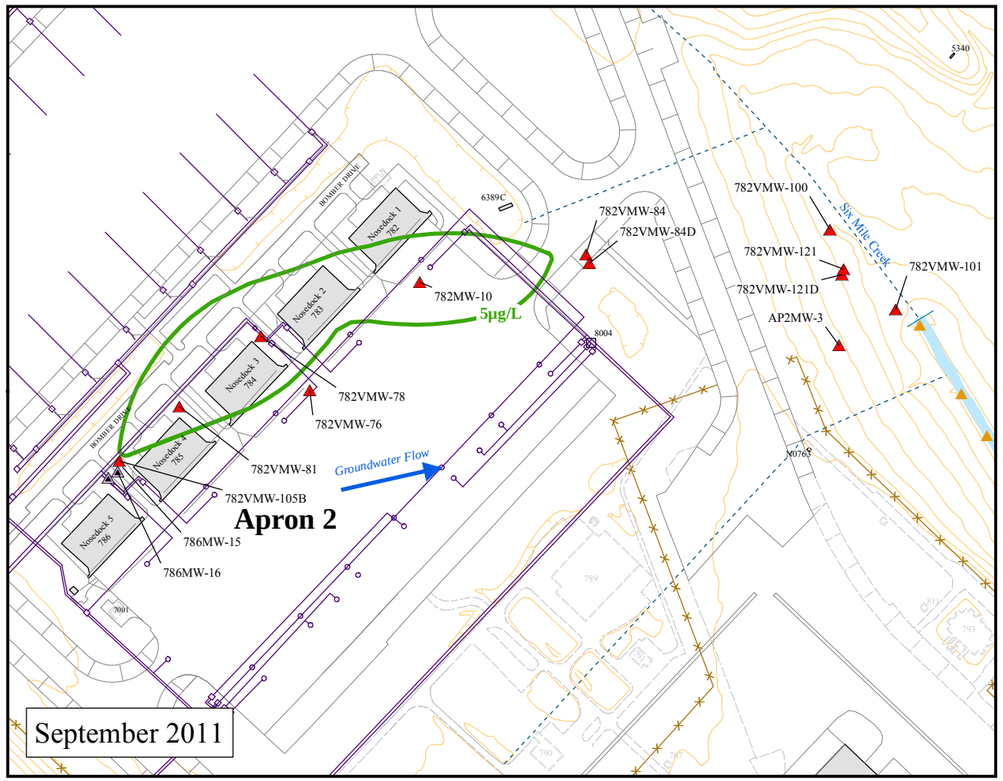
Figure 5-1
Apron 2
TCE Plume and Sampling Locations

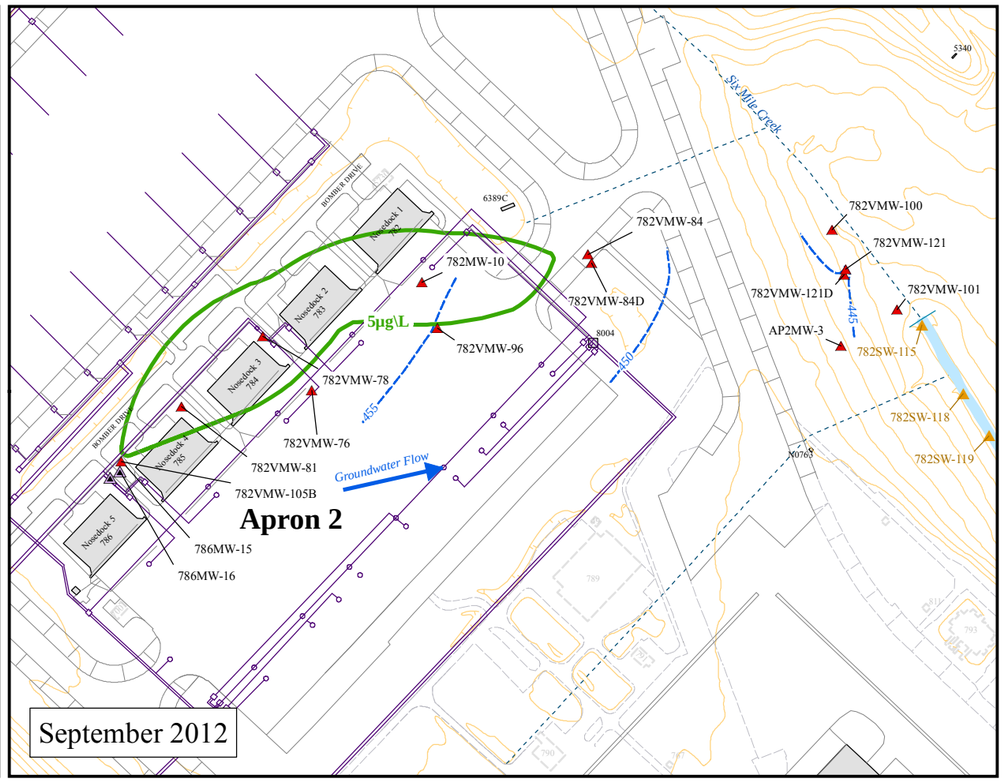
FPM group

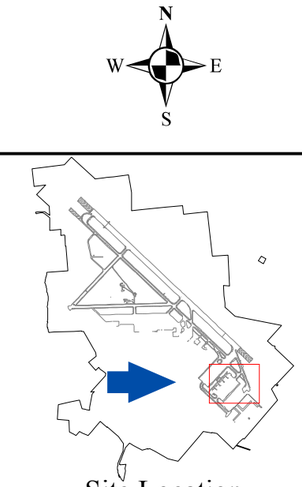
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Key to Features

- Monitoring Well
- Surface Water Location
- Petroleum Monitoring Well
- Fence (Removed)
- Wash Waste System
- Pipeline
- Culvert
- Storm Drain
- Surface Water
- Topography (ft. AMSL)
- Existing Road/ Airfield
- Demolished Road/ Airfield
- Groundwater Contour (ft. AMSL)
- Existing Facilities
- Demolished Facilities
- cis-1,2,-DCE Contour (5 µg\L)

Date: August 2013

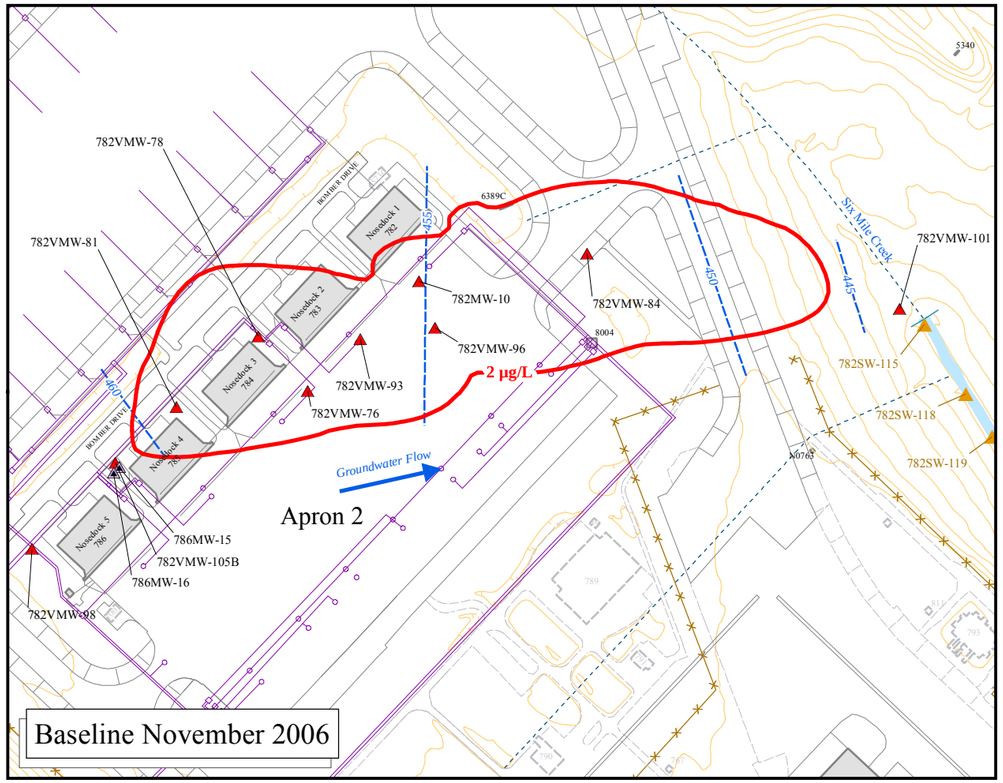
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Feet

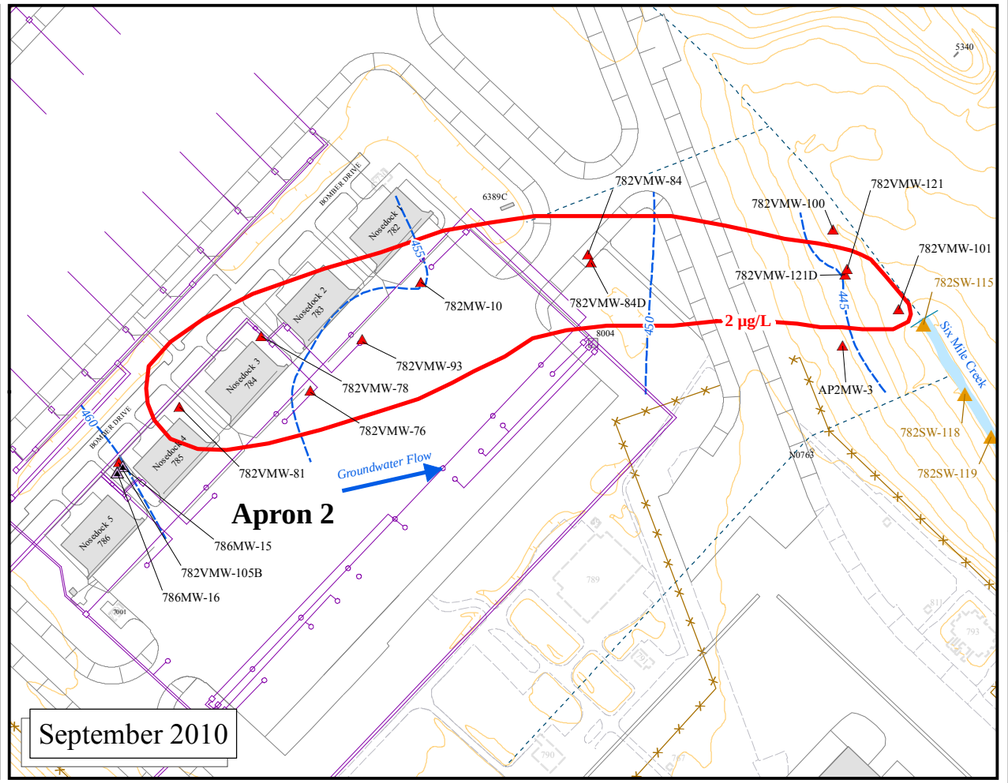
UNITED STATES AIR FORCE
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ROME, NEW YORK

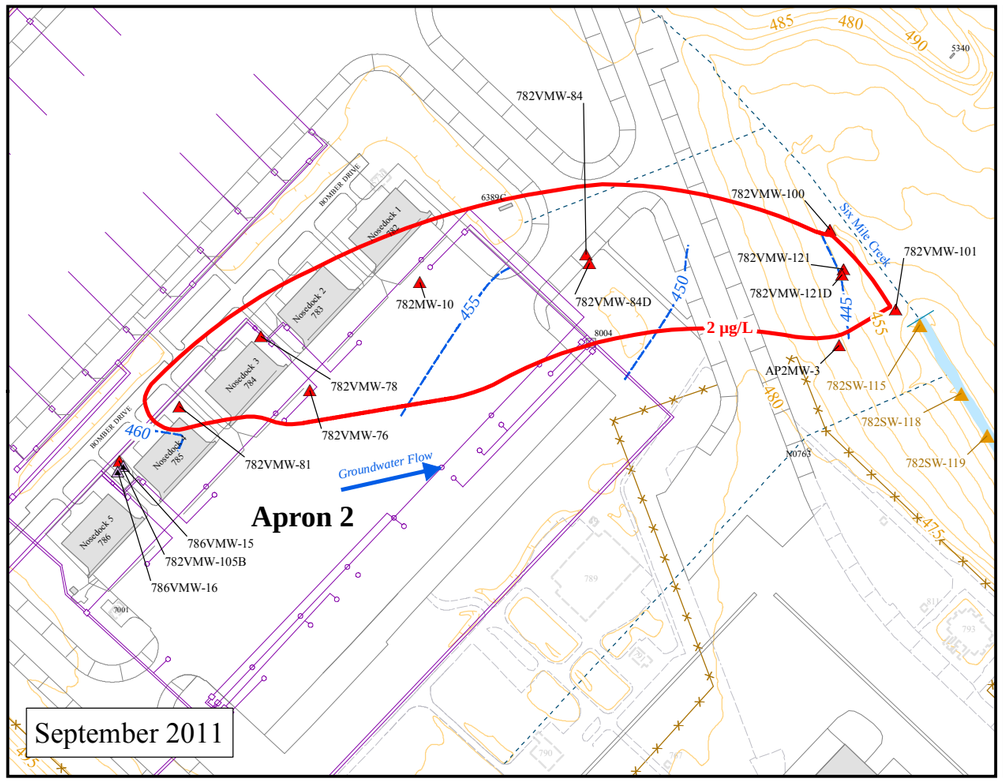
Figure 5-2
Apron 2
cis-1,2,-DCE Plume and Sampling Locations

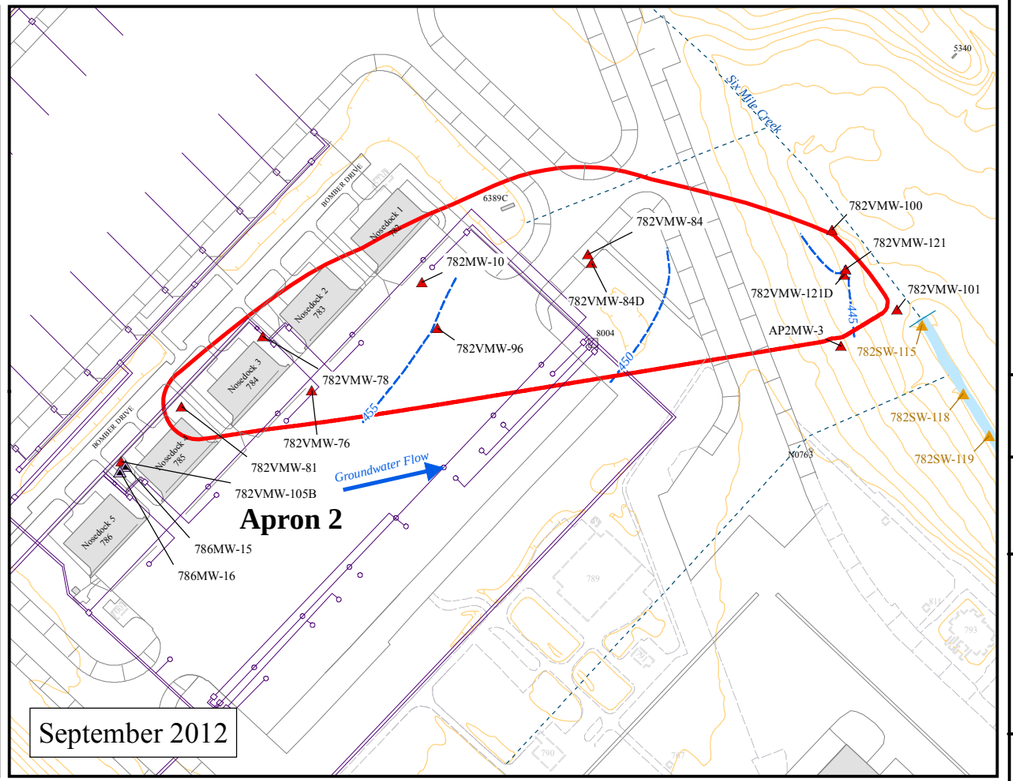
FPM group

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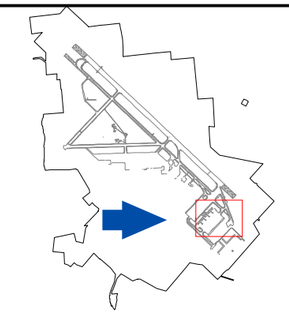












Site Location

Key to Features

- Surface Water Location
- Petroleum Monitoring Well
- Monitoring Well
- Wash Waste System
- Pipeline
- Groundwater Contour (ft. AMSL)
- Demolished Road/ Airfield
- Existing Road/ Airfield
- Fence (Removed)
- Culvert
- Storm Drain
- Surface Water
- Topography
- Existing Facility
- Demolished Facility
- VC Contour (2 µg/L)

Date: August 2013

0 100 200 300 400 500 1,000

Feet

UNITED STATES AIR FORCE
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

Figure 5-3
Apron 2 VC Plume and Sampling Locations

FPM group

Path: Y:\GIS_Projects\Griffiss\Projects\717-06-03\PM_Quarterly_Reports\Fall2012\Projects\Fig_5-3_AP2__VC_Plume.mxd

Figure 5-4
782VMW-76 VOCs Trend

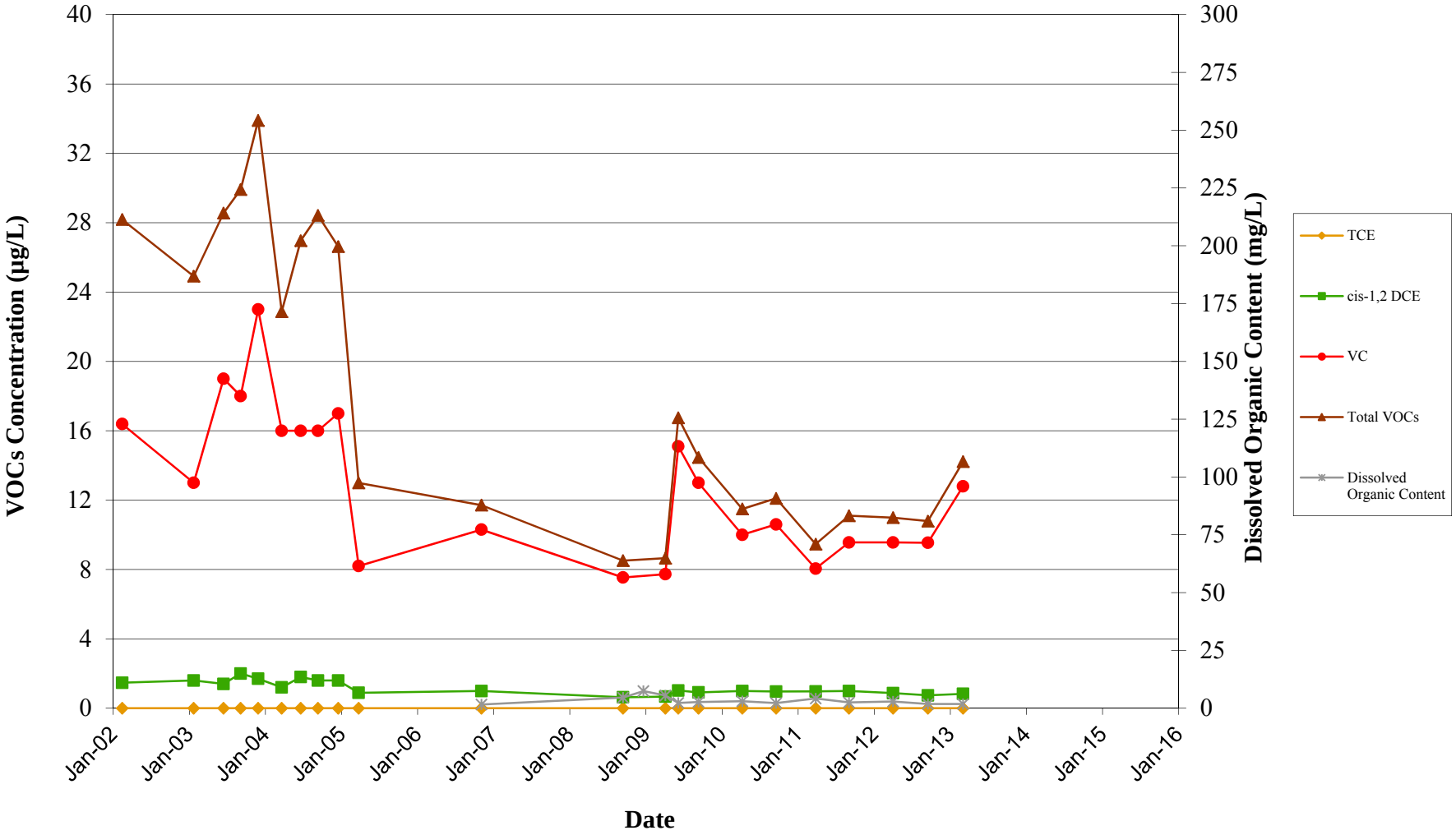


Figure 5-5
782VMW-78 VOCs Trend

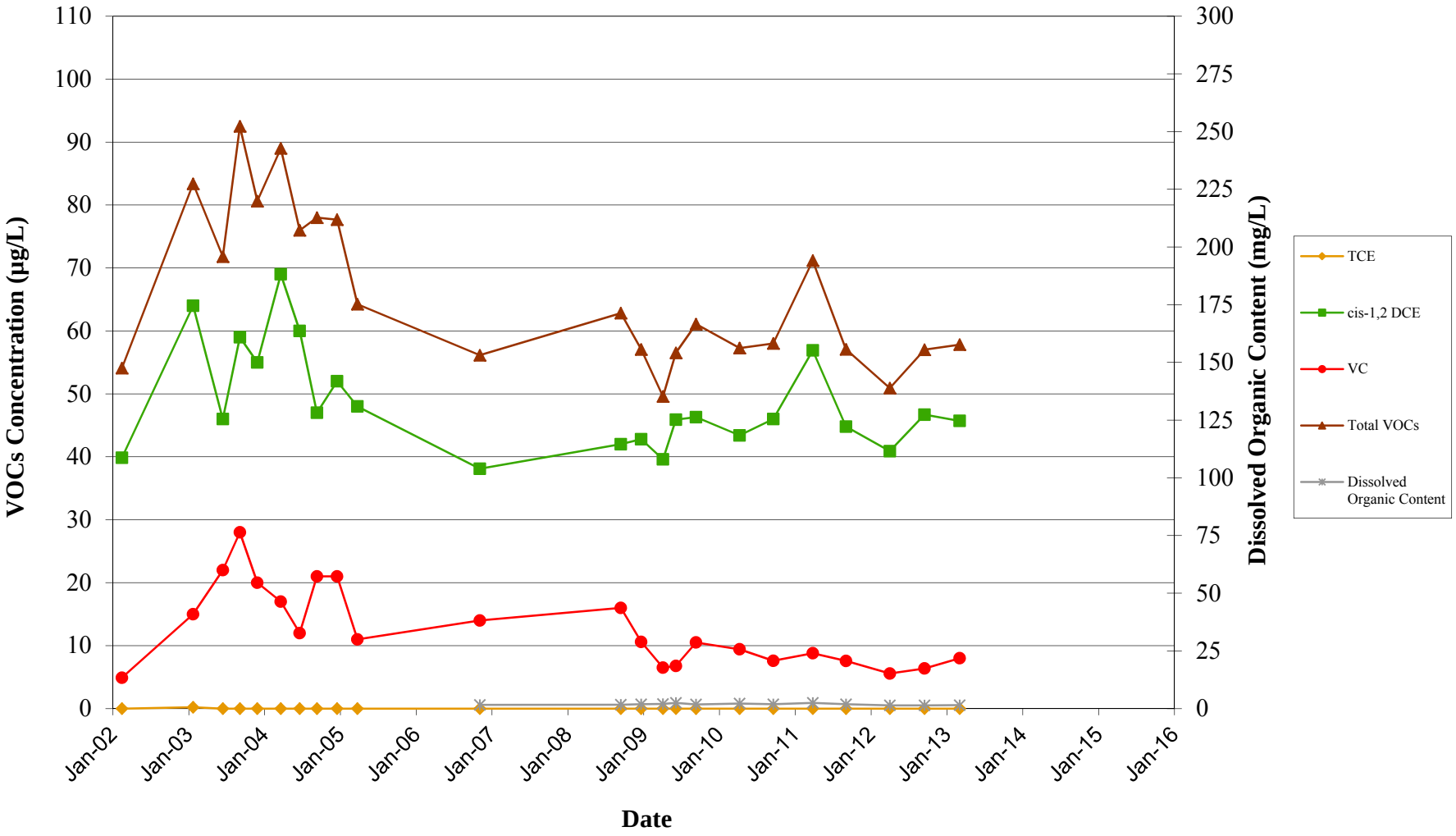


Figure 5-6
782VMW-81 VOCs Trend

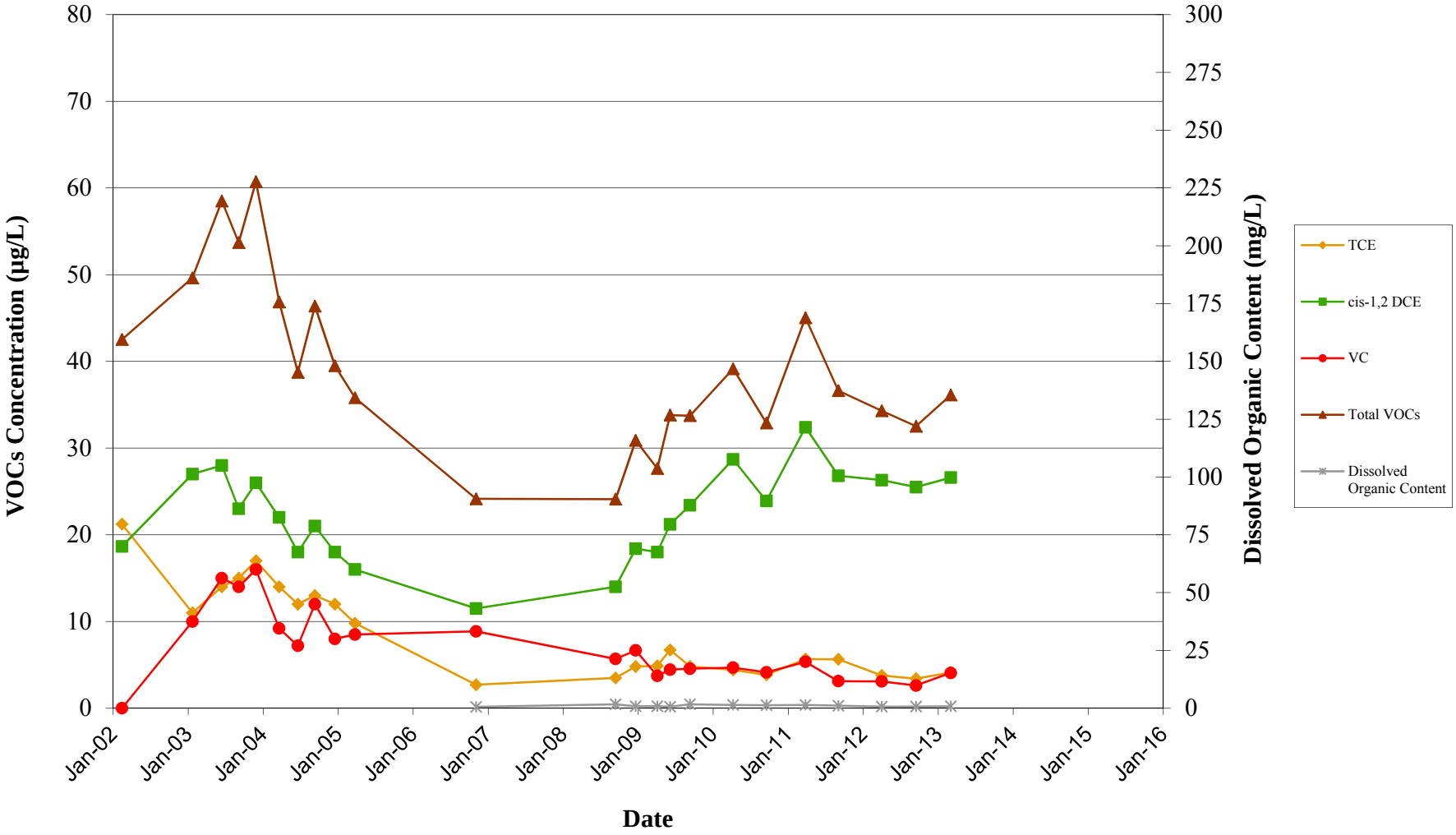


Figure 5-7
782VMW-84 VOCs Trend

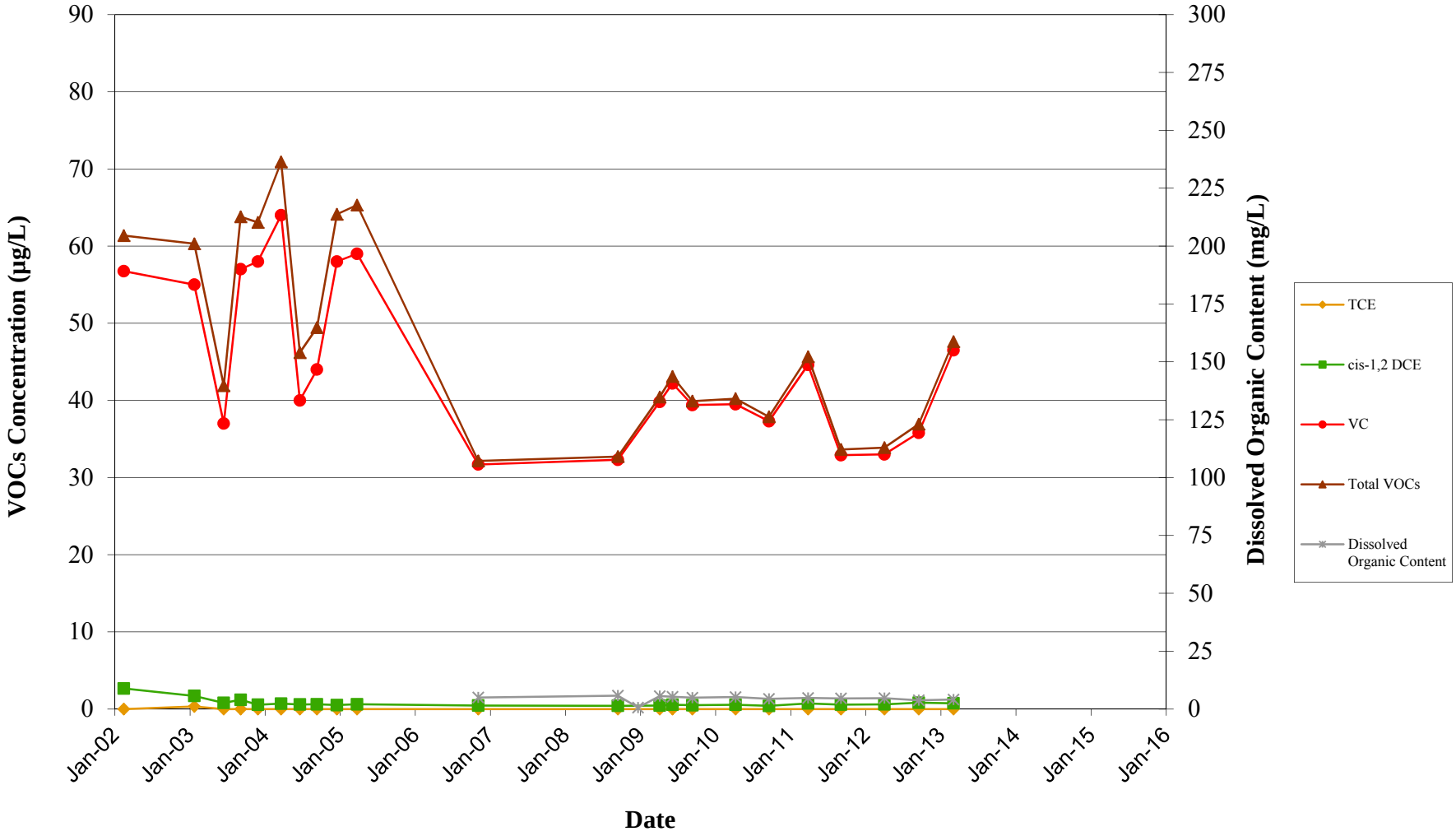


Figure 5-8
782VMW-93 VOCs Trend

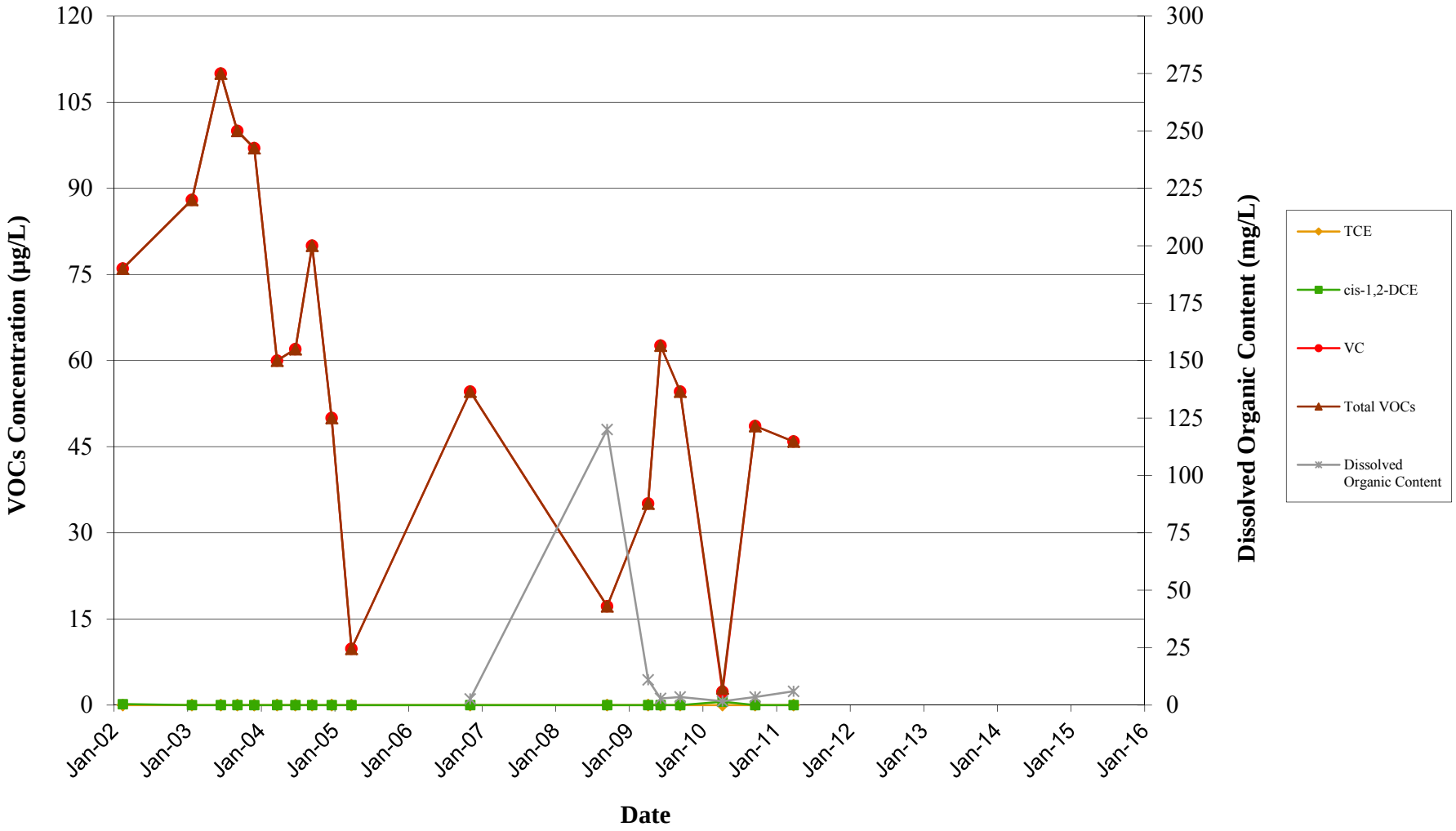


Figure 5-9
782VMW-101 VOCs Trend

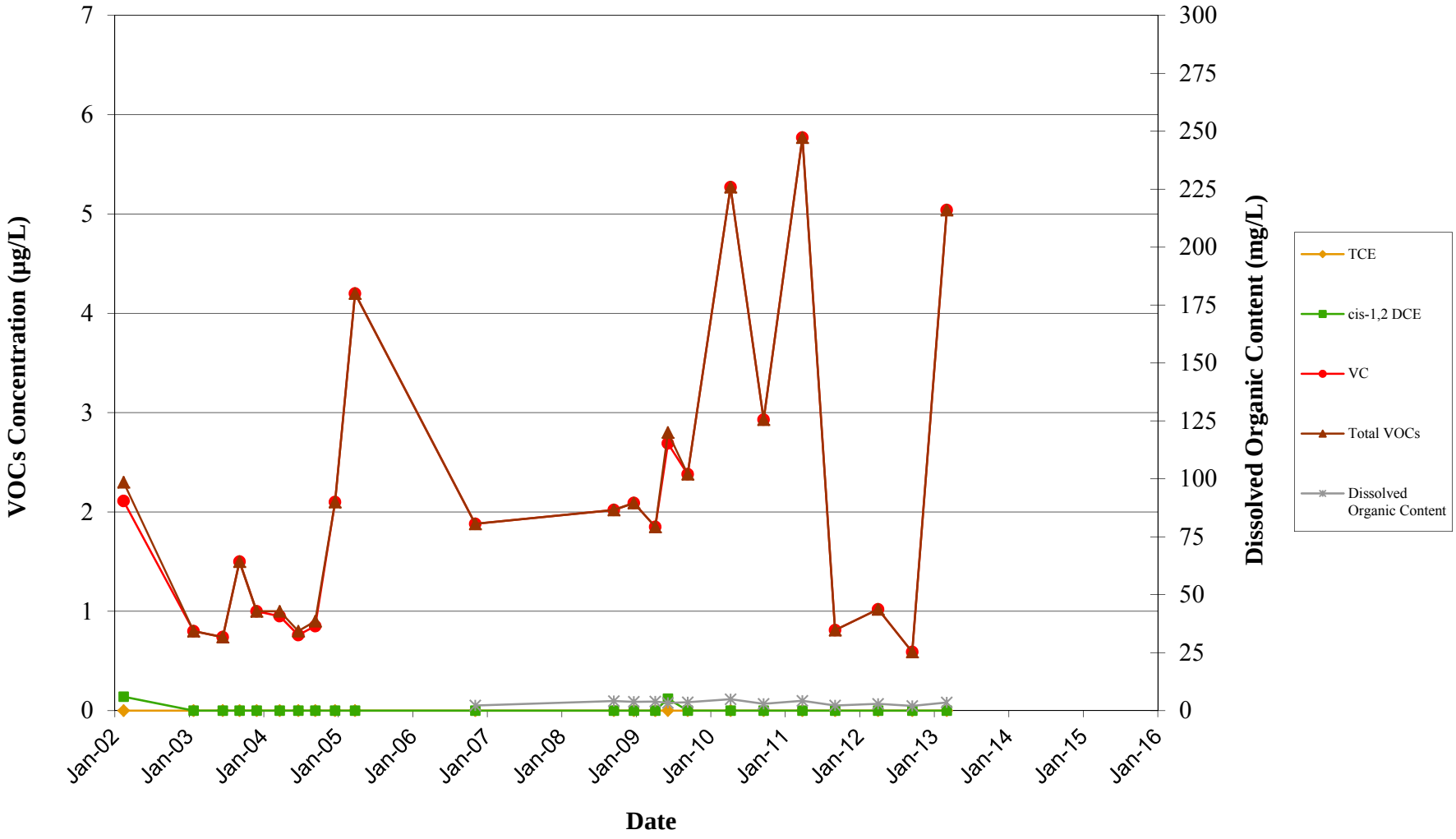


Figure 5-10
782VMW-105B VOCs Trend

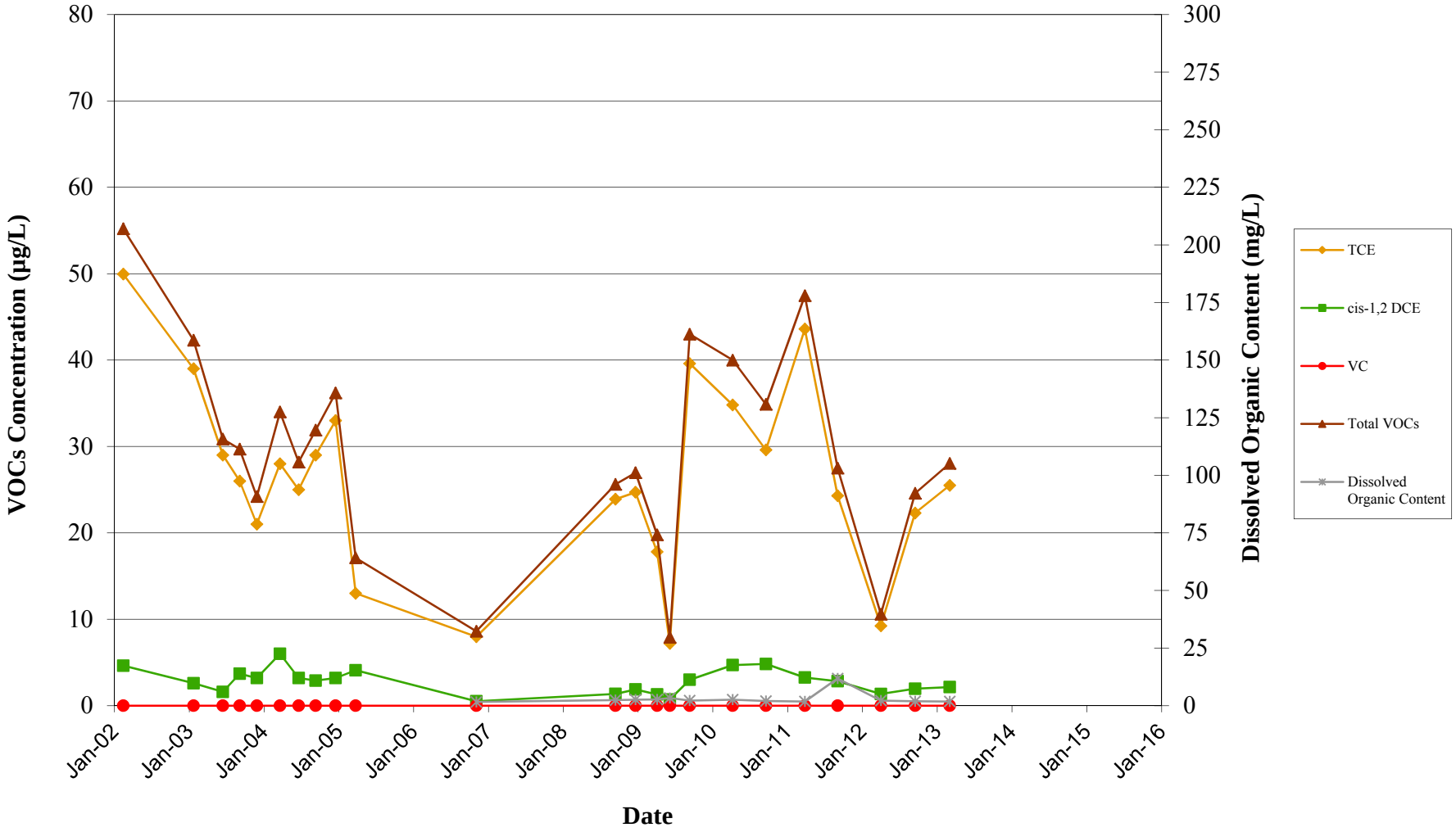


Figure 5-11
782MW-10 VOCs Trend

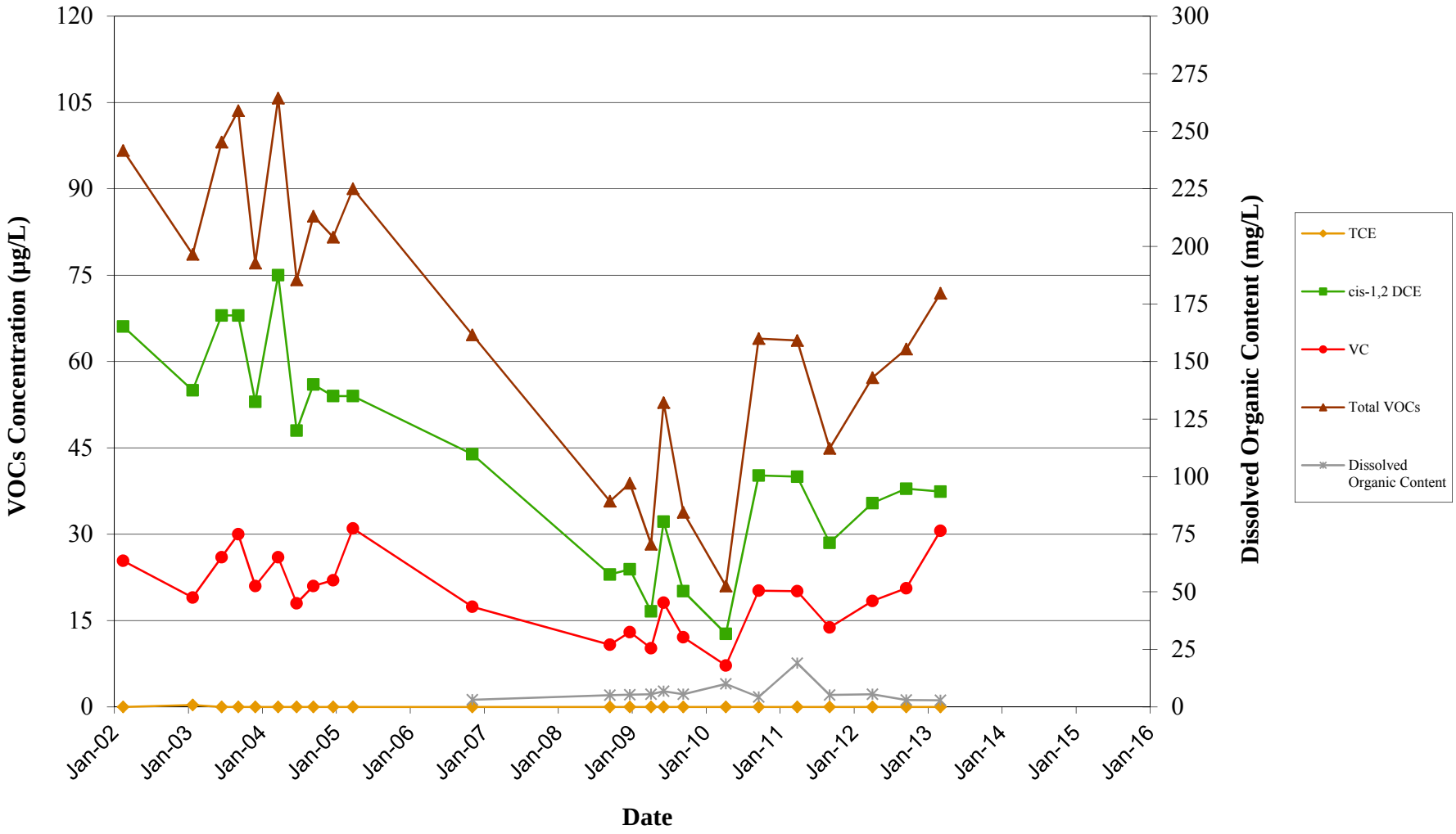


Figure 5-12
782VMW-121 VOCs Trend

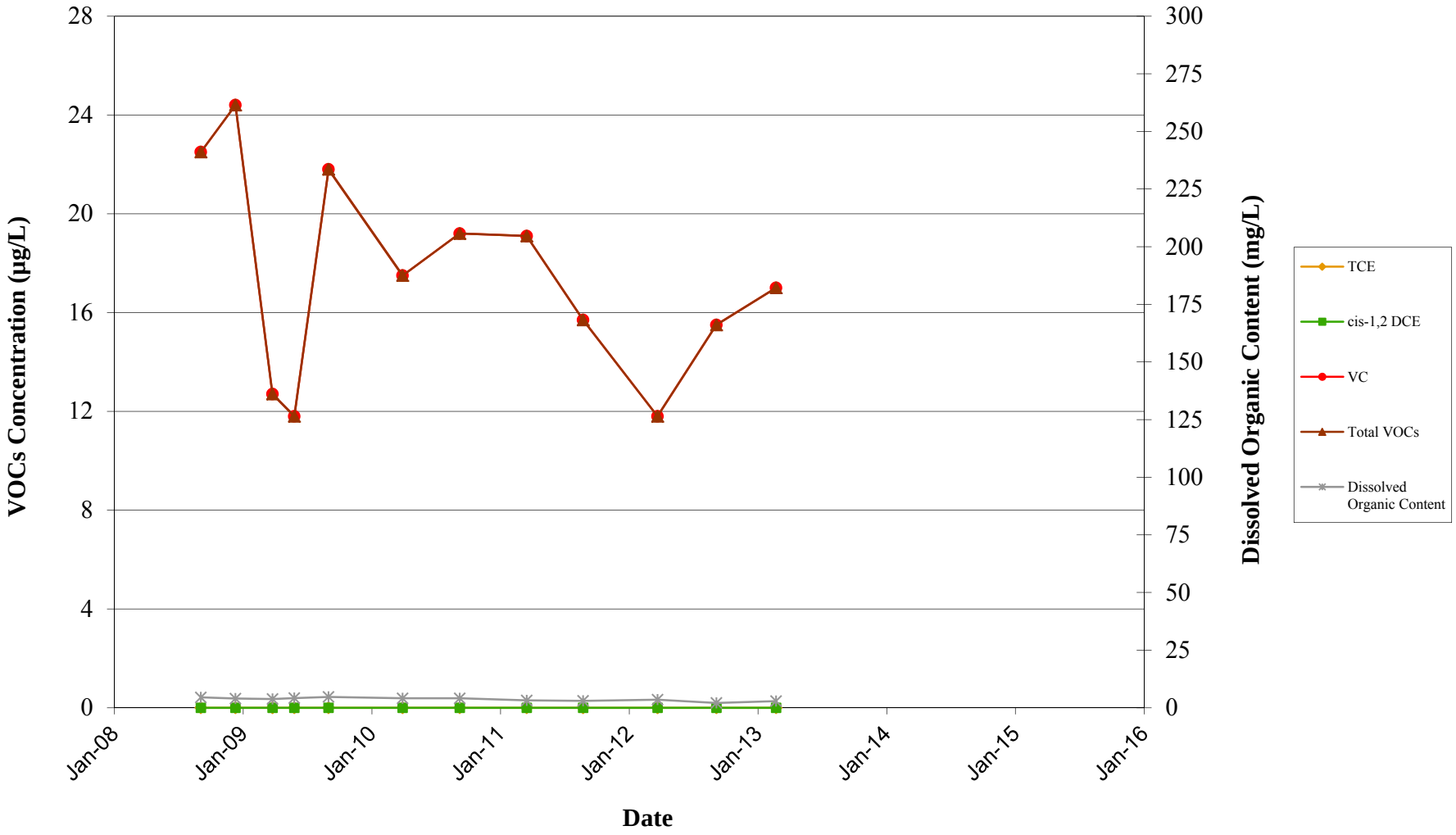


Figure 5-13
782VMW-121D VOCs Trend

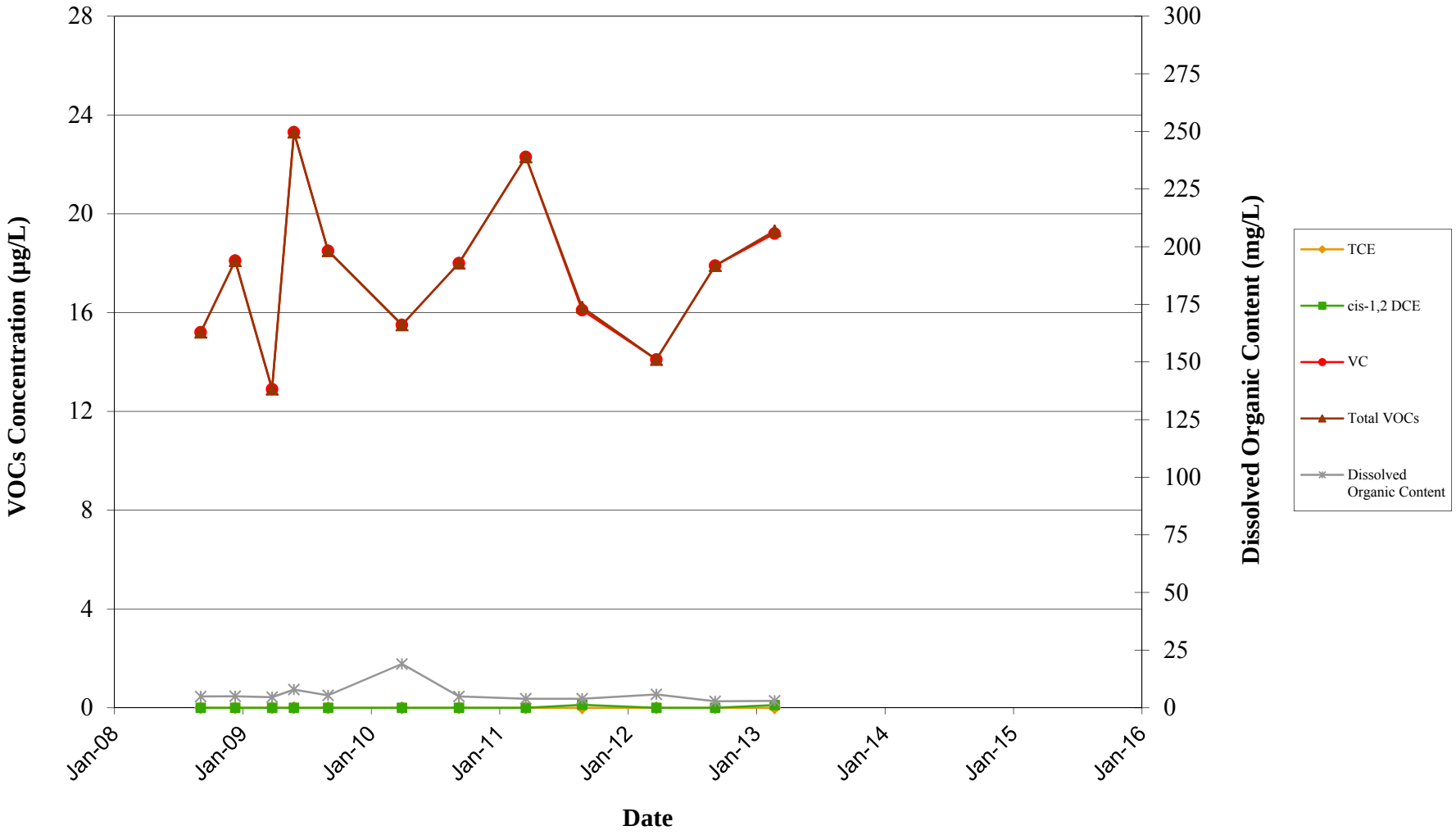


Figure 5-14
782VMW-84D VOCs Trend

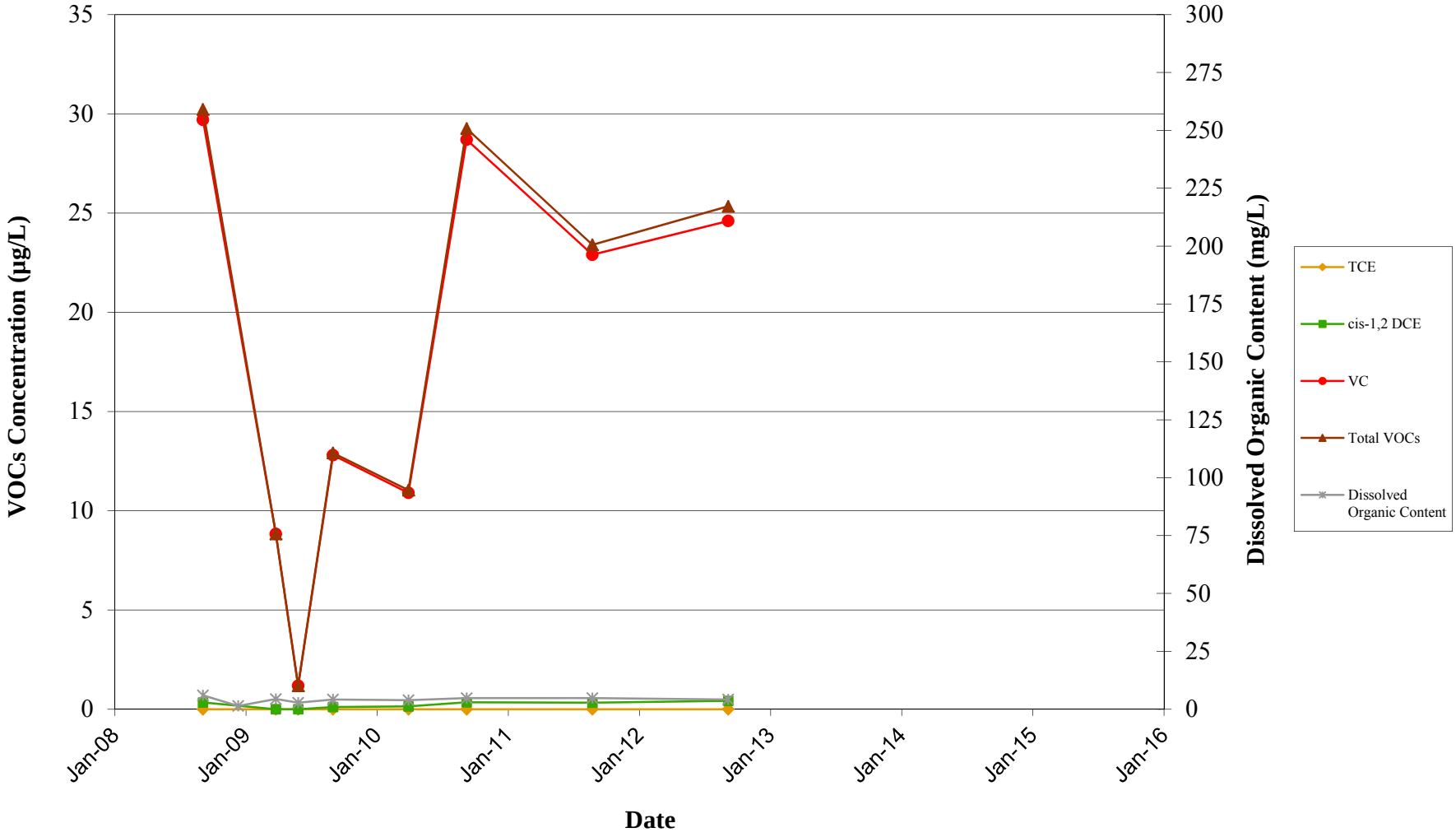
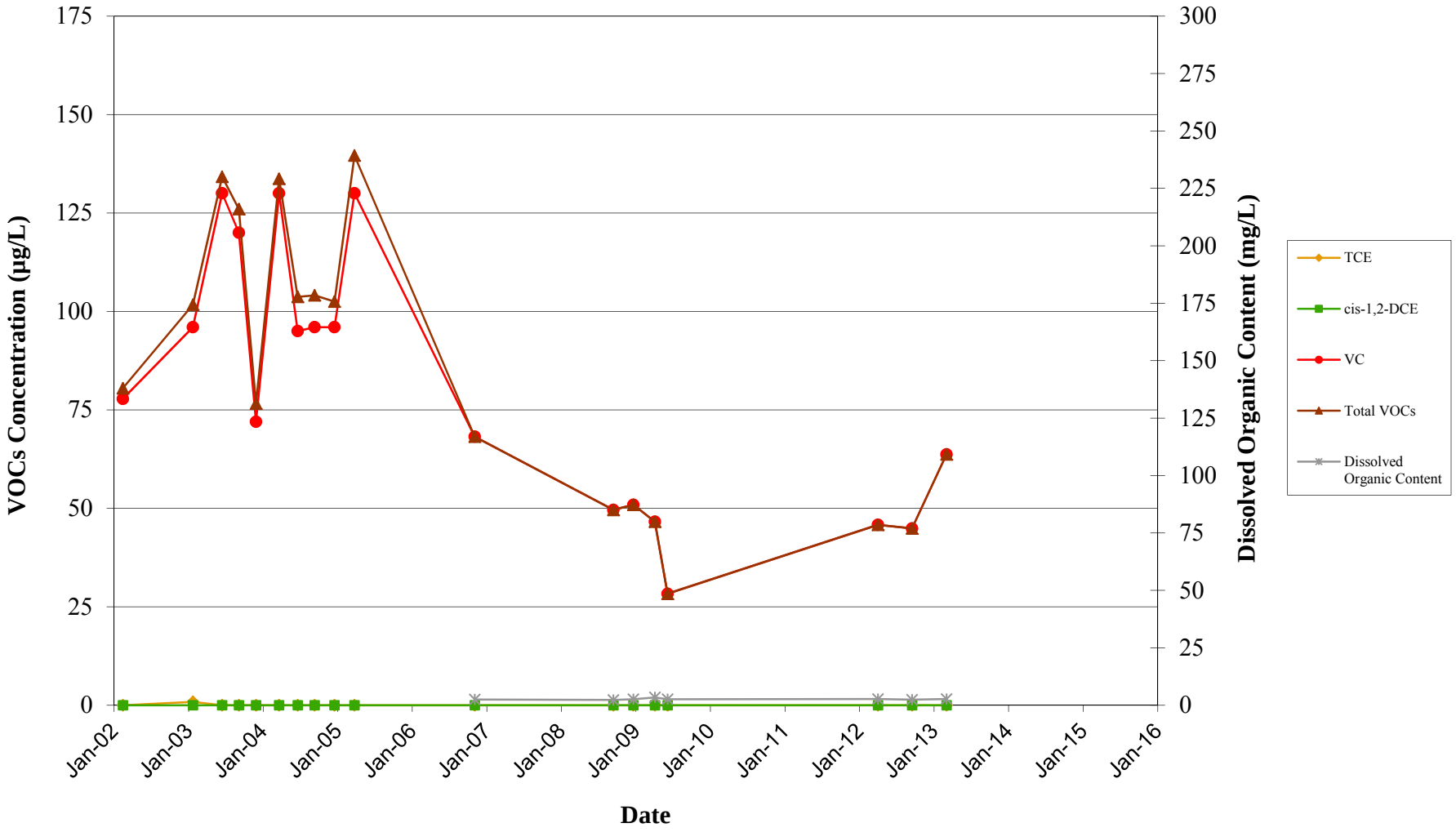


Figure 5-15
782VMW-96 VOCs Trend



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Tables

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Table 1-1
Site RAOs

Site	RAOs
LF6 TCE	1. Achieve the cleanup goals for COCs based on NYSDEC Class GA Groundwater Quality Standards, 2. Prevent human exposure to groundwater through groundwater-use restrictions until cleanup goals are achieved, 3. Prevent contaminated groundwater from the site from adversely impacting surface water (in Three Mile Creek), which is defined as surface water concentrations above performance indicators (NYSDEC Class GA Groundwater Quality Standards of 5 µg/L for DCE and 2 µg/L for vinyl chloride), 4. Prevent intrusive work or other activities that will impact the effectiveness of the landfill closure and post-closure activities, and 5. Prevent development and use of the property for residential housing, elementary and secondary schools, childcare facilities and playgrounds.
B817/WSA	1. Achieve the cleanup goals for COCs based on NYSDEC Class GA Groundwater Quality Standards, 2. Prevent human exposure to groundwater through groundwater use restrictions until cleanup goals are achieved, 3. Prevent contaminated groundwater from the site from adversely impacting surface water (in Six Mile Creek), which is defined as surface water concentrations above performance indicators (NYSDEC Class GA Groundwater Quality Standards of 5 µg/L for DCE and 2 µg/L for vinyl chloride), and 4. Prevent development and use of the property for residential housing, elementary and secondary schools, childcare facilities and playgrounds.
B775	1. Achieve the cleanup goals for COCs based on NYSDEC Class GA Groundwater Quality Standards, 2. Prevent human exposure to groundwater through groundwater use restrictions until cleanup goals are achieved, 3. Prevent contaminated groundwater from the site from adversely impacting surface water (in Three Mile Creek), which is defined as surface water concentrations above performance indicators (NYSDEC Class GA Groundwater Quality Standards of 5 µg/L for DCE and 2 µg/L for vinyl chloride), and 4. Prevent development and use of the property for residential housing, elementary and secondary schools, childcare facilities and playgrounds.
Apron 2 Chlorinated Plume	1. Achieve the cleanup goals for COCs based on NYSDEC Class GA Groundwater Quality Standards, 2. Prevent human exposure to groundwater through groundwater use restrictions until cleanup goals are achieved, 3. Prevent contaminated groundwater from the site from adversely impacting surface water (in Six Mile Creek), which is defined as surface water concentrations above performance indicators (NYSDEC Class GA Groundwater Quality Standard of 2 µg/L for vinyl chloride), and 4. Prevent development and use of the property for residential housing, elementary and secondary schools, childcare facilities and playgrounds.

Table 2-1
Landfill 6 TCE Performance Monitoring Sample Analysis Summary

	Screen Depth	Frequency of Sampling	Rationale				Analytical Parameters				Field Parameters			
Well ID	(ft msl)	Semi-Annual	Source Area	Upgradient	Crossgradient	Downgradient	VOCs - SW8260B	Sulfate - SW9056	DOC - SM5310B	Methane/Ethane/ Ethene - RSK-175	Water Levels	ORP	Oxygen	pH
LF6VMW-13R	416.12 - 436.12	X				X	X	X	X	X	X	X	X	X
LF6VMW-13RD	411.51 - 431.51	X				X	X	X	X	X	X	X	X	X
LF6MW-16	408.41 - 418.41	X	X				X	X	X	X	X	X	X	X
LF6MW-17	401.04 - 411.04	X	X				X	X	X	X	X	X	X	X
LF6MW-20	404.35 - 414.35	X	X				X	X	X	X	X	X	X	X
LF6VMW-26	400.08 - 410.08	X				X	X	X	X	X	X	X	X	X
LF6MW-31	398.20 - 418.20	X			X		X	X	X	X	X	X	X	X
LF6TW-33	417.17 - 437.17	X			X		X	X	X	X	X	X	X	X
LF6TW-34	402.60 - 422.60	X		X			X	X	X	X	X	X	X	X
LF6TW-35	402.39 - 422.39	X			X		X	X	X	X	X	X	X	X
LF6TW-36	400.08 - 420.08	X				X	X	X	X	X	X	X	X	X
LF6TW-38	402.35 - 422.35	X				X	X	X	X	X	X	X	X	X
LF6MW-39	426.70 -446.70	X				X	X	X	X	X	X	X	X	X
Surface Water														
LF6-SW1 PM	-	X					X	X	X	X		X	X	X
					Totals*:		14	14	14	14	13	14	14	14

Notes:
DOC = dissolved organic carbon
MSL = mean sea level
ORP = oxygen reduction potential
VOCs = volatile organic compounds

* = The Totals number does not include QA/QC samples. Please refer to FSP for details concerning the number of quality assurance/ quality control (QA/QC) samples and their locations. At least one matrix spike/matrix spike duplicate (MS/MSD) and two field duplicates will be collected per SDG; one equipment blank per day and one ambient blank per day; one trip blank per cooler containing VOCs.
No changes to the sampling frequency or analytical list are proposed.

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-12							
Sample ID			**LF6M1246AA**	**LF6M1246BB**	**LF6M1246CA**	**LF6M1246DA**	**LF6M1246EA**	**LF6M1246FA**	**LF6M1246GA**	**LF6M1246HA**
Date of Collection			**6/29/2006**	**9/19/2006**	**12/13/2006**	**4/17/2007**	**6/25/2007**	**10/1/2007**	**12/12/2007**	**4/7/2008**
Sample Depth (ft TOIC)			**46**	**46**	**46.00**	**46.00**	**46.00**	**46**	**46**	**46.00**
Dilution Factor (-)			**40**	**25**	**25**	**25**	**25**	**20**	**25**	**50**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	0.76 F	U	U	U	U	U	U	U
benzene	1	0.4	0.62	0.47 F	U	0.360 F	U	0.390 F	U	0.310 F
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	470	264	275	192 J	175	179	163	158
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	16	12.8	8.75 F	4.68	9.00 F	14.9	20.2 F	5.31
trichloroethene (TCE)	5*	1.0	1,500	942	1,060 J	851 J	702	741	791	767
vinyl chloride	2	1.0	2.7	2.4	U	1.27	U	1.57	U	U
total VOCs	-	--	1990.08	1222.3	1348.75	1049.8	892	937.39	974.2	931.11
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA	NA	NA	NA	NA	NA
ethene	--	5	NA	NA	NA	NA	NA	NA	NA	NA
methane	--	5	NA	NA	NA	NA	NA	NA	NA	NA
Wet Chemistry										
DOC (mg/L)	--	1	2.2	1.7	2	1.6	1.5	1.8	1.7	1.8
sulfate (mg/L)	250	1	56.9	59	55	53	60	68	72	66
Field Parameters										
ORP (mV)	--	--	208	244	23	-55	129	91	92	188
oxygen (mg/L)	--	--	0.92	1.77	0.00	0.00	0.00	0.00	0.00	0.00
pH (-)	--	--	7.41	7.57	6.98	7.10	6.69	7.02	7.10	7.20

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6VMW-12							
Sample ID			**LF6M1246IA**	**LF6M1246JA**	**LF6M1246KA**	**LF6M1246LA**	**LF6M1246MA**	**LF6M1246NA**	**LF6M1246OA**	**LF6M1246PA**
Date of Collection			**6/18/2008**	**10/2/2008**	**12/11/2008**	**4/16/2009**	**7/1/2009**	**9/16/2009**	**3/24/2010**	**9/16/2010**
Sample Depth (ft TOIC)			**46.00**	**46.00**	**46**	**46**	**46**	**46**	**46**	**46**
Dilution Factor (-)			**25**	**25**	**25**	**25**	**25**	**25**	**25**	**25**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	66.0 F	U	U	U	U	U	226 F
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	3.50 F
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	138	160	266	120	117	174	241	972
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	8.25	28.5	11 F	4.75 F	6.00 F	9.25 F	7.25 F	5.00 F
trichloroethene (TCE)	5*	1.0	727	664	523	653	709	711	655	14.5 F
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	873.25	929	800	777.75	832	894.25	903.25	1221
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA	NA	NA	NA	NA	NA
ethene	--	5	NA	NA	NA	NA	NA	NA	NA	NA
methane	--	5	NA	NA	NA	NA	NA	NA	NA	NA
Wet Chemistry										
DOC (mg/L)	--	1	1.6	33	8.3	1.6	1.7	3	4.5	270
sulfate (mg/L)	250	1	82	23	55	79	70	62	66	14
Field Parameters										
ORP (mV)	--	--	51	-267	-105	-197	-94	-43	-104	-293
oxygen (mg/L)	--	--	0.00	0.00	0.99	1.70	1.42	3.86	0.00	0.00
pH (-)	--	--	6.70	6.22	6.63	8.29	7.81	6.88	7.16	7.10

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-12							
Sample ID			**LF6M1246PA**	**LF6M1246QA**	**LF6M1246RA**					
Date of Collection			**6/8/2011**	**6/21/2012**	**6/19/2013**					
Sample Depth (ft TOIC)			**46**	**46**	**46**					
Dilution Factor (-)			**10**	**10**	**10**					
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	0.59 F	U					
1,1-dichloroethene	5*	1.0	2.1	U	1.8					
1,2-dichloroethane	0.6	1.0	U	U	U					
acetone	50	10	55	U	5.4 J					
benzene	1	0.4	0.28	U	0.28 J					
2-butanone	50	10	U	U	U					
carbon disulfide	--	0.5	U	U	U					
chloroform	7	0.3	U	U	U					
cis-1,2-dichloroethene	5*	1.0	530	380	430					
Methyl tert-butyl ether	10	5.0	U	U	U					
methylene chloride	5*	1.0	U	U	U					
Toluene	5*	1.0	U	U	U					
trans-1,2-dichloroethene	5*	1.0	6.2	7.9	13					
trichloroethene (TCE)	5*	1.0	220	300	470					
vinyl chloride	2	1.0	4.7	4.1	7.1					
total VOCs	-	--	818.28	692.59	927.58					
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA					
ethene	--	5	NA	NA	NA					
methane	--	5	NA	NA	NA					
Wet Chemistry										
DOC (mg/L)	--	1	12	3.1	3.2					
sulfate (mg/L)	250	1	50	47	43					
Field Parameters										
ORP (mV)	--	--	-329	-263	-206					
oxygen (mg/L)	--	--	0.00	0.00	0.00					
pH (-)	--	--	6.80	6.36	6.55					

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6VMW-13R							
Sample ID			**LF6VM13R31AA**	**LF6VM13R31AB**	**LF6VM13R31BB**	**LF6VM13R31CA**	**LF6VM13R31DA**	**LF613R31EB**	**LF6VM13R31FB**	**LF6VM13R31GA**
Date of Collection			**11/16/2006**	**9/26/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/23/2009**	**4/20/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**31**	**31**	**31**	**31**	**31**	**31**	**31**	**31**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	1.58 F	2.39 F	U	U
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	0	0	0	0	1.58	2.39	0	0
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U	U	U
ethene	--	5	U	U	U	U	U	U	U	U
methane	--	5	U	1.8 F	11	U	U	U	U	U
Wet Chemistry										
DOC (mg/L)	--	1	0.60 F	0.79 F	1.5	0.44 F	0.94 F	0.96 F	0.68 F	1.6
sulfate (mg/L)	250	1	34	53	60	67	64	61	51	56
Field Parameters										
ORP (mV)	--	--	-130	-188	-93	-79	-142	-170	-143	-180
oxygen (mg/L)	--	--	0.00	1.60	1.30	0.00	7.78	1.70	0.00	4.23
pH (-)	--	--	7.64	7.80	8.66	7.19	7.63	7.76	7.71	7.47

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6VMW-13R							
Sample ID			**LF6VM13R31HA**	**LF6VM13R31IA**	**LF6VM13R31JA**	**LF6VM13R31KA**	**LF6VM13R31LA**			
Date of Collection			**4/8/2011**	**9/9/2011**	**4/17/2012**	**9/27/2012**	**3/18/2013**			
Sample Depth (ft TOIC)			**31**	**31**	**31**	**31**	**31**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			
acetone	50	10	2.49 FJB	U	U	U	1.58 FB			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U			
Methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	0.290 FB	U	0.200 FB	U			
Toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	--	2.49	0.29	0	0.2	1.58			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	UJ	U	UJ	U			
methane	--	5	U	U	U	U	0.81 F			
Wet Chemistry										
DOC (mg/L)	--	1	2.2	U	U	U	U			
sulfate (mg/L)	250	1	46	51	50	48	50			
Field Parameters										
ORP (mV)	--	--	-28	-211	-184	-140	-119			
oxygen (mg/L)	--	--	0.00	6.70	5.58	0.00	0.00			
pH (-)	--	--	8.00	7.81	7.64	7.73	7.67			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6VMW-13RD							
Sample ID			**LF6VMW-13RD**	**LF6M13RD41AA**	**LF6M13RD35AB**	**LF6VM13RD35BB**	**LF6VM13RD35CA**	**LF6VM13RD35DA**	**LF613VMRD35EB**	**LF6VM13RD35FB**
Date of Collection			**11/1/2006**	**4/12/2007**	**9/26/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/23/2009**	**4/20/2010**
Sample Depth (ft TOIC)			**30**	**41**	**35**	**35**	**35**	**35**	**35**	**35**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	1.20 F	1.26 F	U
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	20	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	0.60 F	U	U	U	U	U	U	U
vinyl chloride	2	1.0	U	0.240 F	U	U	U	U	U	U
total VOCs	-	--	20.6	0.24	0	0	0	1.2	1.26	0
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	U	U	U	U	U	U
ethene	--	5	NA	NA	U	U	U	U	U	U
methane	--	5	NA	NA	1.6 F	1.7 F	U	1.5 F	1.7 F	1.8 F
Wet Chemistry										
DOC (mg/L)	--	1	NA	NA	1.2	1.6	0.70 F	0.91 F	1.8	1.3
sulfate (mg/L)	250	1	NA	NA	45	48	51	48	48	49
Field Parameters										
ORP (mV)	--	--	-92	-77	-121	-70	-68	-125	-117	-131
oxygen (mg/L)	--	--	0.30	0.00	1.80	0.95	0.28	3.58	1.92	0.00
pH (-)	--	--	7.68	7.69	7.39	8.28	6.51	7.25	7.78	7.61

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6VMW-13RD							
Sample ID			**LF6VM13RD35GA**	**LF6VM13RD35HA**	**LF6VM13RD35IA**	**LF6VM13RD35JA**	**LF6VM13RD35KA**	**LF6VM13RD35LA**		
Date of Collection			**10/4/2010**	**4/8/2011**	**9/9/2011**	**4/16/2012**	**9/27/2012**	**3/18/2013**		
Sample Depth (ft TOIC)			**35**	**35**	**35**	**31**	**31**	**31**		
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**		
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U		
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U		
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U		
acetone	50	10	2.69 FB	2.50 FJB	U	U	U	7.01 FB		
benzene	1	0.4	U	U	U	U	U	U		
2-butanone	50	10	U	U	U	U	U	U		
carbon disulfide	--	0.5	U	U	U	U	U	U		
chloroform	7	0.3	U	U	U	U	U	U		
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U		
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U		
methylene chloride	5*	1.0	U	U	U	U	0.180 FB	U		
Toluene	5*	1.0	U	U	U	U	U	U		
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U		
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U		
vinyl chloride	2	1.0	U	U	U	U	U	U		
total VOCs	-	--	2.69	2.50	0	0	0.18	7.01		
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U		
ethene	--	5	U	U	UJ	U	UJ	U		
methane	--	5	U	U	U	U	1.9 F	19		
Wet Chemistry										
DOC (mg/L)	--	1	34	0.91 F	0.71 F	0.63 F	0.60 F	0.95 F		
sulfate (mg/L)	250	1	57	55	57	56	53	47		
Field Parameters										
ORP (mV)	--	--	-126	-55	-199	-157	-106	-99		
oxygen (mg/L)	--	--	4.30	0.00	0.00	0.00	0.00	0.00		
pH (-)	--	--	7.35	7.89	7.52	7.29	7.51	7.38		

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-16							
Sample ID			**LF6M1645AA**	**LF6M1645AB**	**LF6M1645BB**	**LF6M1645CA**	**LF6M1645DA**	**LF6M1645EB**	**LF6M1645FB**	**LF6M1645GA**
Date of Collection			**11/16/2006**	**9/29/2008**	**1/6/2009**	**4/13/2009**	**6/22/2009**	**9/23/2009**	**4/20/2010**	**10/5/2010**
Sample Depth (ft TOIC)			**45**	**45**	**45**	**45**	**45**	**45**	**45**	**45**
Dilution Factor (-)			**50**	**50**	**50**	**50**	**50**	**50**	**25**	**50**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	77	U	U	U	U	U	356 FB
benzene	1	0.4	U	0.240 F	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	0.750 F	U	U	U	5.50 F	U	U
cis-1,2-dichloroethene	5*	1.0	200	124	148	480	859	232	248	220
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	43.5 FB
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	3.60	7.00 F	6.50 F	9.50 F	7.50 F	12.2 F	6.00 F
trichloroethene (TCE)	5*	1.0	816	619	664	590	284	588	1010	834
vinyl chloride	2	1.0	U	0.570 F	U	U	U	U	U	U
total VOCs	-	--	1016	748.16	819	1076.5	1152.5	833	1270.2	1503.5
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U	U	U
ethene	--	5	U	U	U	U	U	U	U	U
methane	--	5	3.7 F	12	7.8	4.7 F	5.5	2.4 F	6.6	390
Wet Chemistry										
DOC (mg/L)	--	1	1.5	11	9.9	65	34	1.9	3.2	48
sulfate (mg/L)	250	1	54	57	44	25	25	63	72	65
Field Parameters										
ORP (mV)	--	--	343	-299	-170	-22	-269	-150	-82	-259
oxygen (mg/L)	--	--	1.20	0.00	1.21	0.00	3.49	3.92	0.00	4.48
pH (-)	--	--	7.30	7.13	6.82	7.69	8.16	6.84	7.39	7.76

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-16							
Sample ID			**LF6M1645HA**	**LF6M1645IA**	**LF6M1645JA**	**LF6M1645KA**	**LF6M1645LA**			
Date of Collection			**4/8/2011**	**9/9/2011**	**4/16/2012**	**10/1/2012**	**3/15/2013**			
Sample Depth (ft TOIC)			**45**	**45**	**45**	**45**	**45**			
Dilution Factor (-)			**20**	**20**	**50**	**25**	**25**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			
acetone	50	10	53.6 FJB	U	U	U	U			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	190	139	171	130	116			
Methyl tert-butyl ether	10	5.0	U	16.2 F	U	U	U			
methylene chloride	5*	1.0	U	11.2 F	U	12.5 FB	U			
Toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	9.00 F	8.40 F	12.0 F	10.2 F	9.25 F			
trichloroethene (TCE)	5*	1.0	694	786	849	632	575			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	--	946.6	944.6	1032	784.7	700.25			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	870	U	U	UJ	U			
methane	--	5	1600	3,300 J	4,300	8,400	7,300			
Wet Chemistry										
DOC (mg/L)	--	1	2.5	2.0	1.4	1.6	1.7			
sulfate (mg/L)	250	1	97	83	48	59	71			
Field Parameters										
ORP (mV)	--	--	-107	-133	-165	-63	-65			
oxygen (mg/L)	--	--	0.00	0.00	0.00	0.00	0.00			
pH (-)	--	--	7.24	6.96	6.85	5.79	6.93			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-17							
Sample ID			**LF6M1750AB**	**LF6M1750BB**	**LF6M1750CA**	**LF6M1750DA**	**LF6M1750EB**	**LF6M1750FB**	**LF6M1750GA**	**LF6M1750HA**
Date of Collection			**9/29/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/24/2009**	**4/20/2010**	**10/5/2010**	**4/8/2011**
Sample Depth (ft TOIC)			**50**	**50**	**50**	**50**	**50**	**50**	**50**	**50**
Dilution Factor (-)			**20**	**20**	**20**	**20**	**20**	**10**	**10**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	598	299 ♦	382	49.8 F	U	10.5 F♦	U	52.8 FJB♦
benzene	1	0.4	1.31	U	U	U	U	1.20 F♦	1.70 F♦	1.40 F
2-butanone	50	10	58.9	28.2 F♦	52.0 F	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.740	3.20 F	2.20 F	U	2.80 F	U	U	U
cis-1,2-dichloroethene	5*	1.0	324	178 ♦	155	226	278	327 ♦	283 ♦	290
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	3.60 F♦	U	9.60 FB♦	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	75.2	60.2 ♦	57.0	71.2	93.0 ♦	123 ♦	132 ♦	127
trichloroethene (TCE)	5*	1.0	181	302	265	146	162 ♦	274 ♦	100 ♦	248 ♦
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	1239.15	870.6	913.2	493	539.4	724	526.3	719.2
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U	U	U
ethene	--	5	U	U	U	U	U	U	U	U
methane	--	5	8.8	4.6 F♦	5.6	11	25 ♦	8.3 ♦	9.2 ♦	28.0
Wet Chemistry										
DOC (mg/L)	--	1	350	190	160	69	18 ♦	2.7	3.4	2.0
sulfate (mg/L)	250	1	80	34	37	37	70 ♦	71	87	99
Field Parameters										
ORP (mV)	--	--	-289	-321	-276	-310	-256	-232	-207	-53
oxygen (mg/L)	--	--	0.00	0.05	0.00	0.72	3.70	0.00	4.05	0.00
pH (-)	--	--	7.26	9.56	9.22	8.50	6.76	7.69	7.63	7.22

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-17						
Sample ID			**LF6M1750IA**	**LF6M1750JA**	**LF6M1750KA**	**LF6M1750LA**			
Date of Collection			**9/9/2011**	**4/16/2012**	**10/1/2012**	**3/15/2013**			
Sample Depth (ft TOIC)			**50**	**50**	**50**	**50**			
Dilution Factor (-)			**10**	**25**	**10**	**10**			
VOCs (µg/L)									
1,1,1-trichloroethane	5*	1.0	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U			
acetone	50	10	38.7 FB♦	U	U	11.0 FB♦			
benzene	1	0.4	1.20 F	U	1.50 F	1.60 F			
2-butanone	50	10	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U			
chloroform	7	0.3	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	494 ♦	328 ♦	229	224 ♦			
Methyl tert-butyl ether	10	5.0	8.60 F	U	U	U			
methylene chloride	5*	1.0	6.60 FB♦	U	4.80 FB	1.70 ♦			
Toluene	5*	1.0	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	115	132 ♦	114	104 ♦			
trichloroethene (TCE)	5*	1.0	134 ♦	245 ♦	194	204			
vinyl chloride	2	1.0	U	U	U	U			
total VOCs	-	--	762	705	543.3	546.3			
Method RSK-175 (µg/L)									
ethane	--	5	U	U	U	U			
ethene	--	5	U	U	UJ	U			
methane	--	5	2,400 ♦	6,700	1,400 ♦	72 J			
Wet Chemistry									
DOC (mg/L)	--	1	2.9	2.1 ♦	1.7	1.9			
sulfate (mg/L)	250	1	86	59 ♦	64	67			
Field Parameters									
ORP (mV)	--	--	-87	-104	-30	-1			
oxygen (mg/L)	--	--	0.00	0.00	0.00	0.00			
pH (-)	--	--	6.73	6.40	5.71	7.02			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-20							
Sample ID			**LF6M2046AA**	**LF6M2046AB**	**LF6M2046BB**	**LF6M2046CA**	**LF6M2046DA**			**LF6M2046GA**
Date of Collection			**3/30/2007**	**9/29/2008**	**1/6/2009**	**4/13/2009**	**6/22/2009**	**9/1/2009**	**3/1/2010**	**10/5/2010**
Sample Depth (ft TOIC)			**46**	**46**	**46**	**46**	**46**	**46**	**46**	**46**
Dilution Factor (-)			**50**	**50**	**50**	**50**	**20**			**50**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	Not sampled this event	Not sampled this event	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U			U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			U
acetone	50	10	U	649	62.5 F	U	U			3,000
benzene	1	0.4	U	0.450 F	U	U	U			U
2-butanone	50	10	U	U	U	U	U			U
carbon disulfide	--	0.5	U	U	U	U	U			U
chloroform	7	0.3	U	U	U	U	U			U
cis-1,2-dichloroethene	5*	1.0	284	200	396	347	309			2,230
Methyl tert-butyl ether	10	5.0	U	U	U	U	U			U
methylene chloride	5*	1.0	U	U	U	U	U			42.5 FB
Toluene	5*	1.0	U	U	U	U	U			U
trans-1,2-dichloroethene	5*	1.0	25.5 F	30.0	40.0 F	31.0 F	33.5 F			86.5
trichloroethene (TCE)	5*	1.0	1140	1,000	722	664	833			217
vinyl chloride	2	1.0	U	0.710 F	U	U	U			U
total VOCs	-	--	1449.5	1880.16	1220.5	1042	1175.5			5576
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U			U
ethene	--	5	NA	U	U	U	U			U
methane	--	5	NA	15	U	7.9	23			10,000
Wet Chemistry										
DOC (mg/L)	--	1	NA	120	22	20	12			530
sulfate (mg/L)	250	1	NA	35	20	34	53			7.4
Field Parameters										
ORP (mV)	--	--	-37	-290	-245	-257	-285			-235
oxygen (mg/L)	--	--	0.00	0.02	1.27	2.14	0.63			4.91
pH (-)	--	--	7.24	6.70	6.96	8.99	8.36			7.55

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-20								
Sample ID				**LF6M2046IA**		**LF6M2046KA**	**LF6M2046LA**				
Date of Collection			**4/8/2011**	**9/12/2011**	**4/16/2012**	**9/28/2012**	**3/15/2013**				
Sample Depth (ft TOIC)				**46**		**46**	**46**				
Dilution Factor (-)				**50**		**50**	**25**				
VOCs (µg/L)											
1,1,1-trichloroethane	5*	1.0		U		U	U				
1,1-dichloroethene	5*	1.0		U		U	U				
1,2-dichloroethane	0.6	1.0		U		U	U				
acetone	50	10		101 FB		U	U				
benzene	1	0.4		U		U	U				
2-butanone	50	10		U		U	U				
carbon disulfide	--	0.5		U		U	U				
chloroform	7	0.3	Not sampled this	U	Not sampled this	U	U				
cis-1,2-dichloroethene	5*	1.0	event	1,430	event	699	420				
Methyl tert-butyl ether	10	5.0		U		U	U				
methylene chloride	5*	1.0		53.5 B		30.5 FB	4.50 FB				
Toluene	5*	1.0		U		U	U				
trans-1,2-dichloroethene	5*	1.0		33.0 F		25.5 F	18.2 F				
trichloroethene (TCE)	5*	1.0		39.5 F		157	284				
vinyl chloride	2	1.0		U		U	U				
total VOCs	-	--		1556		912.5	726.7				
Method RSK-175 (µg/L)											
ethane	--	5		U		U	U				
ethene	--	5		U		UJ	U				
methane	--	5		4,500		13,000	7,600				
Wet Chemistry											
DOC (mg/L)	--	1		5.7		2.7	1.7				
sulfate (mg/L)	250	1		75		53	68				
Field Parameters											
ORP (mV)	--	--		-168		-52	-34				
oxygen (mg/L)	--	--		0.00		0.00	0.00				
pH (-)	--	--		6.82		6.54	6.52				

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6VMW-26							
Sample ID			**LF6VM2653AA**	**LF6VM2660AB**	**LF6VM2650BB**	**LF6VM2650CA**	**LF6VM2650DA**	**LF6VM2650EB**	**LF6VM2650FB**	**LF6VM2650GA**
Date of Collection			**11/16/2006**	**9/29/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/17/2009**	**4/20/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**53**	**60**	**50**	**50**	**50**	**50**	**50**	**50**
Dilution Factor (-)			**2.5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	8.90 FB
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	84.0 ♦	81.6	92.0	96.8 ♦	101	101	101	77.6
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	1.15 FB
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	1.28 F♦	U	1.00 F	0.700 F ♦	1.20 F ♦	1.05 F	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	0.525 F♦	U	U	U	U	U	U	U
total VOCs	-	--	85.805	81.6	93	97.5	102.2	102.05	101	87.65
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U	U	U
ethene	--	5	U	U	U	U	U	U	U	U
methane	--	5	1.6 F♦	U	U	U	U	U	U	U
Wet Chemistry										
DOC (mg/L)	--	1	0.59 F♦	0.87 F	0.99 F	1.2	0.63 F	0.44 F	1.1	0.90 F
sulfate (mg/L)	250	1	42	48	51	58	54	52	50	53
Field Parameters										
ORP (mV)	--	--	198	-121	-53	-70	-60	-85	-107	-93
oxygen (mg/L)	--	--	1.10	4.63	1.46	0.15	2.48	1.58	0.00	5.06
pH (-)	--	--	7.30	7.38	8.57	7.30	7.20	7.49	7.73	7.13

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6VMW-26							
Sample ID			**LF6VM2650HA**	**LF6VM2650IA**	**LF6VM2650JA**	**LF6VM2650KA**	**LF6VM2650LA**			
Date of Collection			**4/8/2011**	**9/9/2011**	**4/17/2012**	**9/28/2012**	**3/15/2013**			
Sample Depth (ft TOIC)			**50**	**50**	**50**	**50**	**50**			
Dilution Factor (-)			**1**	**5**	**5**	**3**	**3**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			
acetone	50	10	22 FJB	U	U	U	7.02 FB			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	10.4 F	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	0.630 F	U			
cis-1,2-dichloroethene	5*	1.0	94.0	90.8	95.5	89.5	68.8			
Methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	5.25 B	U			
Toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	U	U	0.600 F	U	U			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	--	126.4	90.8	96.1	95.38	75.82			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	U	U	UJ	U			
methane	--	5	U	U	U	U	0.74 F			
Wet Chemistry										
DOC (mg/L)	--	1	0.72 F	0.58 F	U	0.67 F	U			
sulfate (mg/L)	250	1	49	48	41	42	46			
Field Parameters										
ORP (mV)	--	--	-47	-140	-134	-95	-95			
oxygen (mg/L)	--	--	0.00	0.00	1.31	0.00	0.00			
pH (-)	--	--	8.10	7.76	7.31	7.61	7.54			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-31							
Sample ID			**LF6MW-31**	**LF6M3145AB**	**LF6M3145BB**	**LF6M3145CA**	**LF6M3145DA**	**LF6M3145EB**	**LF6M3145FB**	**LF6M3145GA**
Date of Collection			**10/31/2006**	**9/29/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/23/2009**	**4/20/2010**	**10/5/2010**
Sample Depth (ft TOIC)			**45**	**45**	**45**	**45**	**45**	**45**	**45**	**45**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	2.26 F	U	U
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.38 F	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	0.52 F	0.280 F	0.230 F	0.230 F	0.250 F	0.190 F	0.210 F	0.210 F
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	0.29 F	U	0.430 F	0.400 F	0.480 F	0.480 F	0.380 F	0.410 F
total VOCs	-	--	1.19	0.28	0.66	0.63	0.73	2.93	0.59	0.62
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U	U	U	U
ethene	--	5	NA	U	U	U	U	U	U	U
methane	--	5	NA	10	12	3.9 F	5.7	4.5 F	15	12
Wet Chemistry										
DOC (mg/L)	--	1	NA	2.8	3.3	2.8	2.8	2.8	2.8	3.3
sulfate (mg/L)	250	1	NA	49	55	61	61	63	60	56
Field Parameters										
ORP (mV)	--	--	-123	-101	-72	-94	-176	-89	-106	-117
oxygen (mg/L)	--	--	0.40	0.00	0.89	1.51	0.82	4.86	0.00	4.73
pH (-)	--	--	7.09	6.01	8.41	8.15	7.98	6.54	7.27	7.56

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-31							
Sample ID			**LF6M3145HA**	**LF6M3145IA**	**LF6M3145JA**	**LF6M3145KA**	**LF6M3145LA**			
Date of Collection			**4/8/2011**	**9/9/2011**	**4/17/2012**	**9/28/2012**	**3/15/2013**			
Sample Depth (ft TOIC)			**45**	**45**	**45**	**45**	**45**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			
acetone	50	10	1.99 FJB	1.15 FB	U	U	5.66 FB			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	0.190 F	U	0.150 F	0.140 F	0.140 F			
Methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	0.200 FB	U			
Toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
vinyl chloride	2	1.0	0.440 F	0.440 F	0.400 F	0.440 F	0.510 F			
total VOCs	-	--	2.62	1.59	0.55	0.78	6.31			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	U	U	UJ	U			
methane	--	5	10	4.9	6.5	6.6	5.9			
Wet Chemistry										
DOC (mg/L)	--	1	2.2	2.7	2.4	2.0	2.0			
sulfate (mg/L)	250	1	55	72	74	71	78			
Field Parameters										
ORP (mV)	--	--	-104	-158	-158	-91	-107			
oxygen (mg/L)	--	--	0.00	0.00	0.00	0.00	0.00			
pH (-)	--	--	7.14	6.89	6.85	6.98	7.01			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-33							
Sample ID			**LF6T3305AA**	**LF6T3306AB**	**LF6T3307BB**	**LF6T3305CA**	**LF6T3307DA**	**LF6T3306EB**	**LF6T3306FB**	**LF6T3307GA**
Date of Collection			**4/12/2007**	**9/29/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/24/2009**	**4/21/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**19 - 39**	**19 - 39**	**19 - 39**	**19 - 39**	**19 - 39**	**19 - 39**	**19 - 39**	**19-39**
Dilution Factor (-)			**5**	**5**	**10**	**10**	**10**	**10**	**10**	**2**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	2.16 FB
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	1.10 F	U	U
cis-1,2-dichloroethene	5*	1.0	31.7	22.0	40.6	39.0	44.0	83.4	68.4	17.5
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	1.54 FB
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	0.120 F	U	U	U	U	U	U	0.400 F
trichloroethene (TCE)	5*	1.0	202	80.2	255	272	252	256	218	63.9
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	233.82	102.2	295.6	311	296	340.5	286.4	85.5
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U	U	U	U
ethene	--	5	NA	U	U	U	U	U	U	U
methane	--	5	NA	1.9 F	8.7	4.9 F	5.2	20	13	1.8 F
Wet Chemistry										
DOC (mg/L)	--	1	NA	1.5	3.7	1.5	2.5	15	3.4	10
sulfate (mg/L)	250	1	NA	48	71	68	60	58	58	46
Field Parameters										
ORP (mV)	--	--	97	71	154	35	58	-85	-91	9
oxygen (mg/L)	--	--	9.93 Δ	6.35 Δ	7.59 Δ	7.29 Δ	9.27 Δ	9.32 Δ	1.12 Δ	7.49 Δ
pH (-)	--	--	6.81	7.44	7.02	7.60	7.06	7.90	7.09	6.98

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-33							
Sample ID			**LF6T3306HA**	**LF6T3304IA**	**LF6T3304JA**	**LF6T3304KA**	**LF6T3306LA**			
Date of Collection			**4/8/2011**	**9/12/2011**	**4/17/2012**	**9/28/2012**	**3/18/2013**			
Sample Depth (ft TOIC)			**19-39**	**19-39**	**19-39**	**19-39**	**19-39**			
Dilution Factor (-)			**1**	**2**	**5**	**5**	**10**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	0.560 F	0.380 F	U	U	U			
acetone	50	10	6.80 FJB	U	U	U	11.5 FB			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	5.36 F	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	85.1	69.1	69.5	71.3	52.6			
Methyl tert-butyl ether	10	5.0	U	U	U		U			
methylene chloride	5*	1.0	U	1.76 FB	U	2.80 FB	2.40 FB			
Toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	0.560 F	0.520 F	0.900 F	U	U			
trichloroethene (TCE)	5*	1.0	133	148	204	127	216			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	--	231.38	219.76	274.4	201.1	282.5			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	U	U	UJ	U			
methane	--	5	39	390	4,600	100	180			
Wet Chemistry										
DOC (mg/L)	--	1	5.0	2.6	2.7	2.4	2.3			
sulfate (mg/L)	250	1	68	77	79	85	76			
Field Parameters										
ORP (mV)	--	--	-63	-131	-93	-49	-83			
oxygen (mg/L)	--	--	10.42 Δ	1.85 Δ	11.09 Δ	11.00 Δ	1.53 Δ			
pH (-)	--	--	6.85	7.03	7.00	7.29	7.25			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-34							
Sample ID			**LF6T3404AA**	**LF6T3406AB**	**LF6T3407BB**	**LF6T3405CA**	**LF6T3405DA**	**LF6T3406EB**	**LF6T3406FB**	**LF6T3407GA**
Date of Collection			**4/12/2007**	**9/29/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/24/2009**	**4/21/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35-55**	**35-55**
Dilution Factor (-)			**5**	**2.5**	**10**	**10**	**10**	**5**	**10**	**5**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	38.3	16.4	67	41.7	25.6	105	87.6	59.3
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	1.35 F	U	0.850 FB
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	9.85	1.38 F	16.2	10.3	6.55	26.0	26.2	11.1
trichloroethene (TCE)	5*	1.0	78.8	37.1	162	157	93.4	226	221	75.8
vinyl chloride	2	1.0	1.15	U	0.875 F	U	U	U	U	U
total VOCs	-	--	128.1	54.88	246.075	209	125.55	358.35	334.8	147.05
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U	U	U	U
ethene	--	5	NA	U	U	U	U	U	U	U
methane	--	5	NA	7.9	15	12	14	16	11	3.5 F
Wet Chemistry										
DOC (mg/L)	--	1	NA	2.9	4.2	9.7	3.5	6.9	2.9	18
sulfate (mg/L)	250	1	NA	69	69	85	78	67	82	81
Field Parameters										
ORP (mV)	--	--	-11	-77	28	-17	-4	-49	-69	87
oxygen (mg/L)	--	--	7.44 Δ	9.11 Δ	5.69 Δ	10.22 Δ	5.98 Δ	8.88 Δ	3.05 Δ	6.07 Δ
pH (-)	--	--	6.67	7.13	6.69	7.80	6.74	7.80	7.07	6.78

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-34							
Sample ID			**LF6T3406HA**	**LF6T3406IA**	**LF6T3406JA**	**LF6T3406KA**	**LF6T3406LA**			
Date of Collection			**4/8/2011**	**9/12/2011**	**4/17/2012**	**9/28/2012**	**3/18/2013**			
Sample Depth (ft TOIC)			**35-55**	**35-55**	**35-55**	**35-55**	**35-55**			
Dilution Factor (-)			**1**	**5**	**10**	**5**	**5**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			
acetone	50	10	23.6 FJB	U	U	U	9.15 FB			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	10.0 F	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	68.4	59.6	46.1	63.8	42			
Methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	2.30 FB	U	2.95 FB	0.950 FB			
Toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	25.2	23.1	17.9	27.8	21.6			
trichloroethene (TCE)	5*	1.0	272	203	156	230	200			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	--	399.2	288	220	324.55	273.7			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	U	U	UJ	U			
methane	--	5	6.4	5.6	7.9	5.2	5.4			
Wet Chemistry										
DOC (mg/L)	--	1	6.3	2.3	2.7	1.8	2.1			
sulfate (mg/L)	250	1	97	76	59	74	69			
Field Parameters										
ORP (mV)	--	--	-43	-101	-40	-32	-69			
oxygen (mg/L)	--	--	6.36 Δ	1.71 Δ	2.38 Δ	3.50 Δ	5.11 Δ			
pH (-)	--	--	7.23	7.22	6.38	7.13	7.40			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-35							
Sample ID			**LF6T3506AA**	**LF6T3506AB**	**LF6T3505BB**	**LF6T3505CA**	**LF6T3507DA**	**LF6T3506EB**	**LF6T3506FB**	**LF6T3506GA**
Date of Collection			**4/12/2007**	**9/29/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/24/2009**	**4/21/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35-55**	**35-55**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	1.30 F	U	2.94 FB
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	2.43	3.76	5.34	5.01	5.29	5.01	6.68	2.65
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	11.0	18.6	32.7	31.3	27.9	34.0	28.6	8.82
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	13.43	22.36	38.44	36.31	33.19	40.31	35.28	14.39
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U	U	U	U
ethene	--	5	NA	U	U	U	U	U	U	U
methane	--	5	NA	2.8 F	9.0	7.4	9.4	19	12	2.5 F
Wet Chemistry										
DOC (mg/L)	--	1	NA	1.9	3.6	1.7	1.8	34	2.3	9.6
sulfate (mg/L)	250	1	NA	56	85	82	74	79	71	57
Field Parameters										
ORP (mV)	--	--	256	98	155	91	-99	69	93	164
oxygen (mg/L)	--	--	2.74 Δ	9.89 Δ	5.55 Δ	8.03 Δ	2.85 Δ	10.11 Δ	0.86 Δ	4.11 Δ
pH (-)	--	--	5.72	7.30	7.39	7.65	7.82	7.60	7.16	6.71

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-35							
Sample ID			**LF6T3506HA**	**LF6T3506IA**	**LF6T3505JA**	**LF6T3505KA**	**LF6T3506LA**			
Date of Collection			**4/8/2011**	**9/12/2011**	**4/17/2012**	**9/28/2012**	**3/18/2013**			
Sample Depth (ft TOIC)			**35-55**	**35-55**	**35-55**	**35-55**	**35-55**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			
acetone	50	10	2.96 FJB	U	U	U	7.05 FB			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	8.78	5.40	5.49	6.95	9.14			
Methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	0.210 FB	U			
Toluene	5*	1.0	U	0.120 F	0.390 F	U	U			
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	30.7	22.2	25.1	29.6	28.9			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	--	42.44	27.72	30.98	36.76	45.09			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	U	U	UJ	U			
methane	--	5	11.0	4.8	4.6 F	6.6	7.7			
Wet Chemistry										
DOC (mg/L)	--	1	5.7	1.8	2.1	1.5	1.6			
sulfate (mg/L)	250	1	52	58	54	48	45			
Field Parameters										
ORP (mV)	--	--	78	-21	6	57	17			
oxygen (mg/L)	--	--	5.68 Δ	1.80 Δ	10.20 Δ	2.79 Δ	11.88 Δ			
pH (-)	--	--	7.27	7.36	7.42	7.61	7.47			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-36							
Sample ID			**LF6T3604AA**	**LF6T3604AA**	**LF6T3605BB**	**LF6T3605CA**	**LF6T3605DA**	**LF6T3606EB**	**LF6T3606FB**	**LF6T3606GA**
Date of Collection			**4/12/2007**	**9/29/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/24/2009**	**4/21/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35-55**	**35-55**
Dilution Factor (-)			**10**	**5**	**10**	**10**	**10**	**10**	**10**	**10**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.100 F	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	91.6	47.9	46.4	46.7	58.5	47.7	57.5	59.2
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	2.00 FB
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	0.490 F	U	0.950 F	1.10 F	1.50 F	1.10 F	1.40 F	U
trichloroethene (TCE)	5*	1.0	290	104	232	252	250	284	246	132
vinyl chloride	2	1.0	0.100 F	U	U	U	U	U	U	U
total VOCs	-	--	382.29	151.9	279.35	299.8	310	332.8	304.9	193.2
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U	U	U	U
ethene	--	5	NA	U	U	U	U	U	U	U
methane	--	5	NA	2.3 F	7.0	7.6	4.9 F	7.7	2.0 F	U
Wet Chemistry										
DOC (mg/L)	--	1	NA	1.2	2.8	1.3	1.7	8.9	1.9	3.9
sulfate (mg/L)	250	1	NA	38	58	63	62	59	55	47
Field Parameters										
ORP (mV)	--	--	143	-10	77	40	-50	42	13	98
oxygen (mg/L)	--	--	8.43 Δ	8.59 Δ	8.01 Δ	7.89 Δ	5.70 Δ	9.51 Δ	1.11 Δ	6.83 Δ
pH (-)	--	--	6.48	7.39	7.29	7.68	7.72	7.84	7.06	5.71

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-36							
Sample ID			**LF6T3606HA**	**LF6T3602IA**	**LF6T3602JA**	**LF6T3602KA**	**LF6T3606LA**			
Date of Collection			**4/8/2011**	**9/12/2011**	**4/14/2012**	**9/28/2012**	**3/18/2013**			
Sample Depth (ft TOIC)			**35-55**	**35-55**	**35-55**	**35-55**	**35-55**			
Dilution Factor (-)			**1**	**5**	**10**	**5**	**10**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			
acetone	50	10	18.7 FJB	U	U	U	U			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	47.3	41.4	36.7	40.0	47.9			
Methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	2.10 FB	U	3.40 FB	2.90 FB			
Toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	1.10 F	0.950 F	U	1.20 F	1.60 F			
trichloroethene (TCE)	5*	1.0	262	250	201	263	224			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	--	329.1	294.45	237.7	307.6	276.4			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	U	U	UJ	UJ			
methane	--	5	5.7	6.7	2.1 F	6.7	66			
Wet Chemistry										
DOC (mg/L)	--	1	5.3	1.5	1.6	0.98 F	0.51 F			
sulfate (mg/L)	250	1	46	56	51	46	37			
Field Parameters										
ORP (mV)	--	--	-13	-117	-30	51	11			
oxygen (mg/L)	--	--	5.31 Δ	2.15 Δ	3.56 Δ	4.01 Δ	10.96 Δ			
pH (-)	--	--	7.36	7.45	7.54	7.99	7.83			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-38							
Sample ID			**LF6T3806AA**	**LF6T3807AB**	**LF6T3807BB**	**LF6T3806CA**	**LF6T3807DA**	**LF6T3808EB**	**LF6T3808FB**	**LF6T3808GA**
Date of Collection			**4/12/2007**	**9/29/2008**	**1/5/2009**	**4/13/2009**	**6/22/2009**	**9/24/2009**	**4/21/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35 - 55**	**35-55**	**35-55**
Dilution Factor (-)			**5**	**5**	**10**	**10**	**10**	**10**	**5**	**2**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	32.2	28.8	38.6	26.3	32.9	34.2	42.2	46.4
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	0.320 F	U	0.220 F	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	95.0	24.7	131	111	112	128	114	41.1
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	127.52	53.5	169.82	137.3	144.9	162.2	156.2	87.5
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U	U	U	U
ethene	--	5	NA	U	U	U	U	U	U	U
methane	--	5	NA	2.2 F	8.8	13	5.2	5.7	4.0 F	U
Wet Chemistry										
DOC (mg/L)	--	1	NA	1	2.7	0.54 F	0.67 F	11	1.3	4.5
sulfate (mg/L)	250	1	NA	42	41	40	40	41	42	48
Field Parameters										
ORP (mV)	--	--	311	164	164	109	-6	97	87	181
oxygen (mg/L)	--	--	9.61 Δ	4.72 Δ	8.50 Δ	6.72 Δ	5.70 Δ	10.05 Δ	4.21 Δ	6.11 Δ
pH (-)	--	--	6.19	7.48	7.51	7.55	7.62	7.58	7.54	6.44

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6TW-38							
Sample ID			**LF6T3808HA**	**LF6T3805IA**	**LF6T3805JA**	**LF6T3805KA**	**LF6T3807LA**			
Date of Collection			**4/8/2011**	**9/12/2011**	**4/17/2012**	**9/28/2012**	**3/18/2013**			
Sample Depth (ft TOIC)			**35-55**	**35-55**	**35-55**	**35-55**	**35-55**			
Dilution Factor (-)			**1**	**3**	**5**	**3**	**5**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2-dichloroethane	0.6	1.0	U	U	U	U	U			
acetone	50	10	5.78 FJB	U	U	U	7.90 FB			
benzene	1	0.4	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
carbon disulfide	--	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	45.1	40.0	36.8	52.3	36.0			
Methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	1.47 FB	U	2.01 FB	1.35 FB			
Toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	0.380 F	U	U	U	U			
trichloroethene (TCE)	5*	1.0	118	105	100	111	92.8			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	--	169.26	146.47	136.8	165.31	138.05			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	U	U	UJ	UJ			
methane	--	5	2.1 F	U	U	3.3 F	2.4			
Wet Chemistry										
DOC (mg/L)	--	1	0.92 F	0.88 F	1.2	0.63 F	0.54 F			
sulfate (mg/L)	250	1	42	53	41	42	39			
Field Parameters										
ORP (mV)	--	--	80	33	54	123	51			
oxygen (mg/L)	--	--	8.21 Δ	0.53 Δ	2.29 Δ	3.98 Δ	10.18 Δ			
pH (-)	--	--	7.64	7.69	7.75	8.09	7.97			

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-39							
Sample ID			**LF6M3920AB**	**LF6M3920BB**	**LF6M3920CA**	**LF6M3920DA**	**LF6M3920EB**	**LF6M3920FB**	**LF6M3920GA**	**LF6M3920HA**
Date of Collection			**9/29/2008**	**1/5/2009**	**4/15/2009**	**6/22/2009**	**9/24/2009**	**4/20/2010**	**10/4/2010**	**4/8/2011**
Sample Depth (ft TOIC)			**20**	**20**	**20**	**20**	**20**	**20**	**20**	**20**
Dilution Factor (-)			**5**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	1.96 F	U	U	2.55 FJB
benzene	1	0.4	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
Toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	0	0	0	0	1.96	0	0	2.55
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U	U	U
ethene	--	5	U	U	U	U	U	U	U	U
methane	--	5	U	U	U	U	U	U	U	U
Wet Chemistry										
DOC (mg/L)	--	1	0.68 F	2.3	0.82 F	0.88 F	0.48 F	1.4	1.8	1.9
sulfate (mg/L)	250	1	34	20	17	20	44	14	15	11
Field Parameters										
ORP (mV)	--	--	-136	192	240	251	-163	73	37	125
oxygen (mg/L)	--	--	1.14	4.22	2.43	5.34	4.03	0.00	4.85	0.00
pH (-)	--	--	6.85	6.88	6.90	6.92	7.15	7.15	6.81	7.61

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LF6MW-39							
Sample ID			**LF6M3920IA**	**LF6M3920JA**	**LF6M3920KA**	**LF6M3920LA**				
Date of Collection			**9/12/2011**	**4/17/2012**	**9/28/2012**	**3/18/2013**				
Sample Depth (ft TOIC)			**20**	**20**	**20**	**20**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2-dichloroethane	0.6	1.0	U	U	U	U				
acetone	50	10	U	U	U	6.16 FB				
benzene	1	0.4	U	U	U	U				
2-butanone	50	10	U	U	U	U				
carbon disulfide	--	0.5	U	U	U	U				
chloroform	7	0.3	U	U	U	U				
cis-1,2-dichloroethene	5*	1.0	U	U	U	U				
Methyl tert-butyl ether	10	5.0	U	U	U	U				
methylene chloride	5*	1.0	U	U	0.350 FB	U				
Toluene	5*	1.0	U	U	U	U				
trans-1,2-dichloroethene	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	U	U	U	U				
vinyl chloride	2	1.0	U	U	U	U				
total VOCs	-	--	0	0	0.350 FB	6.16				
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U				
ethene	--	5	U	U	UJ	UJ				
methane	--	5	U	U	U	U				
Wet Chemistry										
DOC (mg/L)	--	1	0.56 F	U	U	0.93 F				
sulfate (mg/L)	250	1	40	33	41	11				
Field Parameters										
ORP (mV)	--	--	-83	-147	-122	81				
oxygen (mg/L)	--	--	0.00	5.80	0.00	2.70				
pH (-)	--	--	7.47	7.47	7.89	7.08				

Table 2-2
Landfill 6 TCE Detected Sampling Results

Sample Location	NYS Surfacewater Standards	Reporting Limit	LF6-SW1PM							
Sample ID			**LF6SW01PM01EB**	**LF6SW01PM01FB**	**LF6SW01PM01HA**	**LF6SW01PM01IA**	**LF6SW01PM01KA**	**LF6SW01PM01LA**		
Date of Collection			**9/23/2009**	**4/20/2010**	**4/8/2011**	**4/17/2012**	**9/28/2012**	**3/18/2013**		
Sample Depth (ft TOIC)			**1**	**1**	**1**	**1**	**1**	**1**		
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1/5**		
VOCs (µg/L)										
acetone	50	10	2.28 F	2.14 F	3.08 FJB	3.17 F	U	12.2 B		
benzene	1	0.4	U	0.130 F	0.140 F	U	U	U		
chlorobenzene	5	0.5	0.130 F	0.330 F	0.320 F	0.170 F	U	U		
total VOCs	-	--	2.41	2.6	3.54	3.34	U	12.2		
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U		
ethene	--	5	U	U	U	U	2.1 UJ	0.72 UJ		
methane	--	5	5.5	33	13	7.7	7.7	13		
Wet Chemistry										
DOC (mg/L)	--	1	6.9	4.2	3.2	2.7	3.0	2.5		
sulfate (mg/L)	250	1	42	40	31	36	32	35		
Field Parameters										
ORP (mV)	--	--	73	98	159	18	101	-54		
oxygen (mg/L)	--	--	10.28	11.83	9.64	9.25	6.48	15.56		
pH (-)	--	--	7.44	8.04	6.24	7.80	7.77	8.27		

Notes:
BGS - Below Ground Surface.
DOC - Dissolved Organic Carbon.
F - Analyte was positively identified above the Method Detection Limit (=MDL), but the concentration is below the Reporting Limit (=RL).
M- Matrix effect is present.
NA - Not Analyzed.
NS - Not Sampled.
ORP - Oxygen Reduction Potential.
TOIC - Top of inside casing.
U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.
- Exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 ug/L applies to this COC.
- - No NYS Groundwater Standard or Reporting Limit available.
J - The quantification is estimated due to the inability to meet certain QA/QC criteria.
B- The result for the analyte was detected in a blank sample.

Table 3-1
Building 817/WSA Performance Monitoring Sample Analysis Summary

	Screen Depth	Frequency of Sampling		Rationale				Analytical Parameters				Field Parameters				
Well ID	(ft msl)	Semi-Annual	Annual	Source Area	Upgradient	Crossgradient	Downgradient	VOCs - SW8260B	Sulfate - SW9056	DOC - SM5310B	Methane/Ethane/ Ethene - RSK-175	Water Levels	ORP	Oxygen	pH	Vsual Inspection
LAWMW-9	490.84 - 500.84		X			X		X	X	X	X	X	X	X	X	
WSA-MW8	506.37 - 516.37		X		X			X	X	X	X	X	X	X	X	
WSA-MW9	474.60 - 479.60	X					X	X	X	X	X	X	X	X	X	
WSA-MW16	491.86 - 501.86	X				X		X	X	X	X	X	X	X	X	
WSA-VMW17	483.24 - 493.24	X					X	X	X	X	X	X	X	X	X	
WSA-MW18	499.23 - 504.23	X				X		X	X	X	X	X	X	X	X	
WSA-MW19	493.79 - 498.79	X				X		X	X	X	X	X	X	X	X	
WSA-MW21	484.72 - 494.72	X					X	X	X	X	X	X	X	X	X	
WSA-MW23	493.16 - 503.16		X			X		X	X	X	X	X	X	X	X	
B817MW-001	502.54-512.54	X				X		X	X	X	X	X	X	X	X	
B817MW-002	504.29-514.29	X				X		X	X	X	X	X	X	X	X	
B817MW-003	498.90-508.90	X				X		X	X	X	X	X	X	X	X	
Surface Water[1]																
WSA-SW1PM	-	X			X			X								
WSA-SW2PM	-	X				X		X								
WSA-SW3PM	-	X					X	X								
Manhole																
MH-1	-	X														X
MH-2	-	X														X
MH-3	-	X														X
						Totals*:		12	9	9	9	9	9	9	9	3

Notes:
DOC = dissolved organic carbon
MSL = mean sea level
ORP = oxygen reduction potential
VOCs = volatile organic compounds
1 = Surface water samples will only be collected if results from WSA-MW9 are above NYSDEC Class GA GW standards.
* = The Totals number does not include QA/QC samples. Please refer to FSP for details concerning the number of QA/QC samples and their locations. At least one MS/MSD and two field duplicates will be collected per SDG; one equipment blank per day and one ambient blank per day; one trip blank per cooler containing VOCs.
No changes to the sampling frequency or analytical list are proposed.

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	LAWMW-9							
Sample ID			**LAWM0912AA**	**LAWM0912AB**		**LAWM0912EB**	**LAWM0912FB**	**LAWM0912GA**	**LAWM0912IA**	**LAWM0912KA**
Date of Collection			**11/20/2006**	**9/23/2008**		**9/18/2009**	**4/14/2010**	**9/29/2010**	**9/9/2011**	**9/26/2012**
Sample Depth (ft TOIC)			**12**	**12**		**12**	**12**	**12**	**12**	**12**
Dilution Factor (-)			**1**	**1**		**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.170 F	U	Monitoring well not sampled, annual sampling frequency.	0.140 F	0.120 F	0.140 F	U	U
acetone	50	10	U	U		1.16 F	1.34 F	U	U	U
chlorobenzene	5*	0.5	U	U		U	U	U	U	U
chloroform	7	0.3	U	U		U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U		U	U	U	U	U
hexachlorobutadiene	0.5	0.6	U	U		U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U		U	U	U	U	U
methylene chloride	5*	1.0	U	U		U	U	U	U	0.170 F
tetrachloroethene (PCE)	5*	1.0	0.220 F	U		0.240 F	0.240 F	0.310 F	0.360 F	0.300 F
toluene	5*	1.0	U	U		U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U		U	U	U	U	U
trichloroethene (TCE)	5*	1.0	5.01	5.43		6.16	4.79	6.39	5.03	4.96
total VOCs	-	--	5.4	5.43		7.7	6.49	6.84	5.36	5.43
Method RSK-175 (µg/L)										
ethane	--	5	U	U		U	U	U	U	U
ethene	--	5	U	U		U	U	U	UJ	UJ
methane	--	5	U	U		2.0 F	11	4.0 F	2.3 F	9.0
Wet Chemistry										
DOC (mg/L)	--	1	1.7	0.88 F		1.7	0.44 F	7.2	1.0	0.53 F
sulfate (mg/L)	250	1	9.1	8.5		7.6	5	7.4	8.7	8.2
Field Parameters										
ORP (mV)	--	--	336	126		131	147	76	185	202
oxygen (mg/L)	--	--	3.93	7.84		4.12	0.00	5.69	0.94	0.89
pH (-)	--	--	7.89	7.67		6.78	7.58	7.11	7.36	8.01

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW8							
Sample ID			**WSAM0809AA**	**WSAM0809AB**		**WSAM0809EB**	**WSAM0809FB**	**WSAM0809GA**	**WSAM0809IA**	**WSAM0809KA**
Date of Collection			**11/20/2006**	**9/23/2008**		**9/18/2009**	**4/15/2010**	**10/29/2010**	**9/8/2011**	**9/26/2012**
Sample Depth (ft TOIC)			**9**	**9**		**9**	**9**	**9**	**9**	**9**
Dilution Factor (-)			**1**	**1**		**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	Monitoring well not sampled, annual sampling frequency.	U	U	U	U	U
acetone	50	10	U	U		U	1.52 F	U	2.83 FB	U
chlorobenzene	5*	0.5	U	U		U	U	U	U	U
chloroform	7	0.3	0.670	0.290 F		0.260 F	0.160 F	0.160 F	0.380 F	U
cis-1,2-dichloroethene	5*	1.0	U	U		U	U	U	U	U
hexachlorobutadiene	0.5	0.6	U	U		U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U		U	U	U	U	U
methylene chloride	5*	1.0	U	U		U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U		U	U	0.240 F	0.150 F	0.110 F
toluene	5*	1.0	U	U		U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U		U	U	U	U	U
trichloroethene (TCE)	5*	1.0	1.73	1.08		1.21	3.55	6.54	1.82	3.31
total VOCs	-	--	2.4	1.37		1.47	5.23	6.94	5.18	3.42
Method RSK-175 (µg/L)										
ethane	--	5	U	U		U	U	U	U	U
ethene	--	5	U	U		U	U	U	UJ	UJ
methane	--	5	U	U		U	U	U	U	U
Wet Chemistry										
DOC (mg/L)	--	1	3.7	1.1		1.2	0.43 F	1.3 J	0.63 F	U
sulfate (mg/L)	250	1	5.6	5.2		4.6	5.1	5.2	4.3	4.2
Field Parameters										
ORP (mV)	--	--	120	339		182	109	211	186	203
oxygen (mg/L)	--	--	7.53	8.83		9.08	4.26	5.31	6.71	5.01
pH (-)	--	--	7.74	5.82		6.46	7.64	7.14	7.46	7.60

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW9							
Sample ID			**WSAM0906AA**	**WSAM0906AB**	**WSAM0906BB**	**WSAM0906CA**	**WSAM0906DA**	**WSAM0906EB**	**WSAM0906FB**	**WSAM0906GA**
Date of Collection			**11/20/2006**	**9/23/2008**	**12/31/2008**	**4/8/2009**	**6/15/2009**	**9/18/2009**	**4/14/2010**	**10/1/2010**
Sample Depth (ft TOIC)			**6**	**6**	**6**	**6**	**6**	**6**	**6**	**6**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	1.68 F	1.43 F	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5	0.6	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	0	0	0	0	0	1.68	1.43	0
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U	U	U
ethene	--	5	U	U	U	U	U	U	U	U
methane	--	5	U	3.3 F	3.6 F	1.5 F	U	1.7 F	U	U
Wet Chemistry										
DOC (mg/L)	--	1	1.1	0.92 F	2.6	8.3	1.1	16	U	2.0
sulfate (mg/L)	250	1	22	20	26	20	19	18	19	44
Field Parameters										
ORP (mV)	--	--	123	26	220	213	126	86	117	72
oxygen (mg/L)	--	--	3.80	8.80	4.60	1.75	9.07	5.09	0.00	0.04
pH (-)	--	--	7.31	7.60	8.98	7.14	7.99	7.09	7.68	6.85

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW9							
Sample ID			**WSAM0906HA**	**WSAM0909IA**	**WSAM0909JA**	**WSAM0909KA**	**WSAM0909LA**			
Date of Collection			**4/7/2011**	**9/8/2011**	**4/13/2012**	**9/27/2012**	**3/15/2013**			
Sample Depth (ft TOIC)			**6**	**6**	**6**	**6**	**6**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
acetone	50	10	4.00 FB	U	U	4.02 F	4.70 FB			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U			
hexachlorobutadiene	0.5	0.6	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	0.600 F	U			
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
total VOCs	-	--	4	0	0	4.62	4.70			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	UJ	U	UJ	U			
methane	--	5	U	3.6 F	U	U	U			
Wet Chemistry										
DOC (mg/L)	--	1	1.4	1.0	U	U	U			
sulfate (mg/L)	250	1	16	37	17	17	20			
Field Parameters										
ORP (mV)	--	--	139	-93	152	163	4			
oxygen (mg/L)	--	--	0.00	0.00	0.00	0.00	0.00			
pH (-)	--	--	7.91	7.42	7.27	7.80	7.99			

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW16							
Sample ID			**WSAM1615AA**	**WSAM1615AB**	**WSAM1615BB**	**WSAM1615CA**	**WSAM1615DA**	**WSAM1615EB**	**WSAM1615FB**	**WSAM1615GA**
Date of Collection			**11/20/2006**	**9/23/2008**	**12/31/2008**	**4/8/2009**	**6/15/2009**	**9/18/2009**	**4/14/2010**	**9/29/2010**
Sample Depth (ft TOIC)			**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**
Dilution Factor (-)			**2**	**2**	**2**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.320 F	0.260 F	0.240 F	0.330 F	0.280 F	0.260 F	0.280 F	0.650 F♦
acetone	50	10	U	U	U	U	U	1.61 F	U	1.45 F♦
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	0.110 F	U	0.120 F
cis-1,2-dichloroethene	5*	1.0	1.10 F	0.790 F	1.16 F	0.600 F	0.650 F	1.51	0.590 F	0.240 F♦
hexachlorobutadiene	0.5	0.6	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	0.460 F	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	40.3	39.0	30.9	30.1	35.5	39.6	30.4	48.7 ♦
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	0.110 F	0.130 F	U	0.160 F	U
trichloroethene (TCE)	5*	1.0	48.8	43.0	34.8	33.6	34.8	41.1	34.7	53 ♦
total VOCs	-	--	90.98	83.05	67.1	64.74	71.36	84.19	66.13	104.16
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U	U	U
ethene	--	5	U	U	U	U	U	U	U	U
methane	--	5	U	U	U	U	U	U	U	U
Wet Chemistry										
DOC (mg/L)	--	1	1.1	0.89 F	0.82 F	0.68 F	0.56 F	1.0	0.81 F	1.7 J
sulfate (mg/L)	250	1	11	7.8	10	12	8.8	7.0	9.6	10 ♦
Field Parameters										
ORP (mV)	--	--	365	322	252	175	203	159	101	223
oxygen (mg/L)	--	--	6.91	7.87	9.03	8.20	7.57	6.76	4.17	3.56
pH (-)	--	--	7.75	6.16	6.14	7.01	5.49	6.65	7.73	6.98

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW16							
Sample ID			**WSAM1615HA**	**WSAM1615IA**	**WSAM1615JA**	**WSAM1615KA**	**WSAM1615LA**			
Date of Collection			**4/7/2011**	**9/8/2011**	**4/13/2012**	**9/26/2012**	**3/13/2013**			
Sample Depth (ft TOIC)			**15**	**15**	**15**	**15**	**15**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.450 F	0.500 F	0.260 F	0.250 F	0.320 F			
acetone	50	10	4.12 FB	U	U	U	15 B			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	0.110 F	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	U	0.190 F♦	0.380 F	0.610 F	0.170 F			
hexachlorobutadiene	0.5	0.6	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	0.180 F ♦	U			
tetrachloroethene (PCE)	5*	1.0	36.4	42.6 ♦	26.7	40.3	32.6			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	38.7	35.4 ♦	22.9	29.4	34.0			
total VOCs	-	--	79.78	78.69	50.24	70.73	82.09			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	UJ	U	UJ	U			
methane	--	5	U	U	U	UM	U			
Wet Chemistry										
DOC (mg/L)	--	1	0.97 F	U	U	U	U			
sulfate (mg/L)	250	1	9.1	6.8 ♦	7.0	8.1 ♦	9.5			
Field Parameters										
ORP (mV)	--	--	111	202	129	210	104			
oxygen (mg/L)	--	--	6.14	3.32	5.60	4.35	6.39			
pH (-)	--	--	7.48	7.20	6.99	7.67	7.31			

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-VMW17							
Sample ID			**WSAVM1713AA**	**WSAVM1722AB13A**	**WSAM1722BB**	**WSAM1722CA**	**WSAM1722DA**	**WSAM1722EB**	**WSAM1722FB**	**WSAM1722GA**
Date of Collection			**11/20/2006**	**9/23/2008**	**12/31/2008**	**4/8/2009**	**6/15/2009**	**9/18/2009**	**4/14/2010**	**9/29/2010**
Sample Depth (ft TOIC)			**13**	**22**	**22**	**22**	**22**	**22**	**22**	**22**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	1.48 F	1.16 F	1.66 F
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.180 F	U	0.120 F	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	0.440 F	0.590 F
hexachlorobutadiene	0.5	0.6	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	12.6	11.5	10.5	9.19	10.7	12.3	11.6	14.7
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	24.0	17.2	18.3	15.4	15.8	19.8	17.4	21.9
total VOCs	-	--	36.78	28.7	28.92	24.59	26.5	33.58	30.6	38.85
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U	U	U
ethene	--	5	U	U	U	U	U	U	U	U
methane	--	5	U	U	U	U	U	U	U	U
Wet Chemistry										
DOC (mg/L)	--	1	2.9	1.2	0.92 F	0.76 F	0.79 F	0.96 F	0.58 F	11
sulfate (mg/L)	250	1	9.3	6.5	6.4	6.1	5.7	6.4	5.4	6.3
Field Parameters										
ORP (mV)	--	--	131	128	239	187	340	353	168	120
oxygen (mg/L)	--	--	7.15	9.75	6.53	6.58	6.98	7.42	4.41	7.35
pH (-)	--	--	7.36	6.81	5.68	6.96	6.15	6.46	6.88	6.65

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-VMW17							
Sample ID			**WSAM1722HA**	**WSAM1722IA**	**WSA1722JA**	**WSA1722KA**	**WSAM1722LA**			
Date of Collection			**4/7/2011**	**9/9/2011**	**4/13/2012**	**9/26/2012**	**3/15/2013**			
Sample Depth (ft TOIC)			**22**	**22**	**22**	**22**	**22**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
acetone	50	10	3.35 FB	U	U	U	5.58 FB			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	0.280 F	0.320 F	0.130 F	0.180 F	0.130 F			
hexachlorobutadiene	0.5	0.6	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	0.170 F	U			
tetrachloroethene (PCE)	5*	1.0	10.2	12.8	10.8	13.4	8.85			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	14.0	17.8	12.1	17.3	12.6			
total VOCs	-	--	27.83	30.92	23.03	31.05	27.16			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	UJ	U	UJ	U			
methane	--	5	U	U	U	U	U			
Wet Chemistry										
DOC (mg/L)	--	1	1.9	1.1	0.53 F	0.63 F	0.61 F			
sulfate (mg/L)	250	1	4.9	5.8	4.7	5.7	5.6			
Field Parameters										
ORP (mV)	--	--	157	163	236	240	94			
oxygen (mg/L)	--	--	3.26	3.17	5.12	4.21	7.46			
pH (-)	--	--	7.11	6.57	6.06	7.07	7.06			

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW18							
Sample ID			**WSAMW-18**	**WSAM1814BB**	**WSAM1814AB**	**WSAM1814BB**	**WSAM1814CA**	**WSAM1814DA**	**WSAM1814EB**	**WSAM1814FB**
Date of Collection			**10/24/2006**	**2/21/2007**	**9/23/2008**	**12/31/2008**	**4/8/2009**	**6/15/2009**	**9/18/2009**	**4/15/2010**
Sample Depth (ft TOIC)			**12.3**	**14**	**14**	**14**	**14**	**14**	**14**	**14**
Dilution Factor (-)			**2**	**2.5**	**2**	**2**	**2**	**2**	**2**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	0.310 F	0.240 F	U	0.150 F	U	0.250 F
acetone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	0.160 F	U	U	U	U	0.110 F
cis-1,2-dichloroethene	5*	1.0	U	U	0.310 F	0.620 F	0.600 F	0.910 F	0.720 F	0.410 F
hexachlorobutadiene	0.5	0.6	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	0.54 F	0.525 F	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	53 J	37.3	39.5	38.8	31.8	36.2	40.8	39.3
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	68 J	49.1	43.6	48.7	37.5	36.3	44.4	42.1
total VOCs	-	--	121.54	86.925	83.88	88.36	69.9	73.56	85.92	82.17
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	U	U	U	U	U	U
ethene	--	5	NA	NA	U	U	U	U	U	U
methane	--	5	NA	NA	U	U	U	U	U	U
Wet Chemistry										
DOC (mg/L)	--	1	NA	NA	1.3	0.81 F	0.48 F	0.42 F	0.98 F	0.89 F
sulfate (mg/L)	250	1	NA	NA	7.3	13	11	7.8	7.0	10
Field Parameters										
ORP (mV)	--	--	181	360	378	287	190	176	158	79
oxygen (mg/L)	--	--	6.1	4.21	6.80	7.48	7.68	5.80	6.80	2.65
pH (-)	--	--	7.40	6.93	6.05	6.82	6.76	5.79	6.75	7.91

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW18							
Sample ID			**WSAM1814GA**	**WSAM1814HA**	**WSAM1814IA**	**WSAM1814JA**	**WSAM1814KA**	**WSAM1814LA**		
Date of Collection			**9/29/2010**	**4/7/2011**	**9/8/2011**	**4/13/2012**	**9/26/2012**	**3/14/2013**		
Sample Depth (ft TOIC)			**14**	**14**	**14**	**14**	**14**	**14**		
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**		
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.380 F	0.230 F	0.340 F	0.110 F	0.150 F	0.340 F		
acetone	50	10	U	4.19 FB	U	U	U	1.68 FB		
chlorobenzene	5*	0.5	U	U	U	U	U	U		
chloroform	7	0.3	0.170 F	U	U	U	0.110 F	U		
cis-1,2-dichloroethene	5*	1.0	0.620 F	0.140 F	0.310 F	0.410 F	0.690 F	U		
hexachlorobutadiene	0.5	0.6	U	U	U	U	U	U		
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U		
methylene chloride	5*	1.0	U	U	U	U	0.170 F	U		
tetrachloroethene (PCE)	5*	1.0	51.3	40.1	53.1	29.5	39.7	31.4		
toluene	5*	1.0	U	U	U	U	U	U		
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U		
trichloroethene (TCE)	5*	1.0	58.4	45.5	55.7	28.5	30.8	30.6		
total VOCs	-	--	110.87	90.16	109.45	58.52	71.62	64.02		
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U	U		
ethene	--	5	U	U	UJ	U	UJ	U		
methane	--	5	U	U	U	U	U	U		
Wet Chemistry										
DOC (mg/L)	--	1	0.96 F	0.71 F	1.4	U	U	U		
sulfate (mg/L)	250	1	9.9	9.3	6.3	8.0	9.0	12		
Field Parameters										
ORP (mV)	--	--	211	63	188	117	209	19		
oxygen (mg/L)	--	--	3.54	4.82	3.50	5.91	3.44	5.69		
pH (-)	--	--	6.90	7.38	7.34	7.40	7.97	7.43		

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW19							
Sample ID			**WSAMW-19**	**WSAM1918AB**	**WSAM1918BB**	**WSAM1918CA**	**WSAM1918DA**	**WSAM1918DA**	**WSAM1918FB**	**WSAM1918GA**
Date of Collection			**11/2/2006**	**9/23/2008**	**12/31/2008**	**4/8/2009**	**6/15/2009**	**9/18/2009**	**4/14/2010**	**9/29/2010**
Sample Depth (ft TOIC)			**17.8**	**17.8**	**18**	**18**	**18**	**18**	**18**	**18**
Dilution Factor (-)			**4**	**2**	**2**	**2**	**2**	**2**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	0.190 F	0.250 F
acetone	50	10	U	U	U	U	U	U	1.85 F	1.62 F
chlorobenzene	5*	0.5	0.32 F	U	U	U	U	U	U	U
chloroform	7	0.3	U	0.140 F	U	U	U	0.240 F	0.120 F	0.120 F
cis-1,2-dichloroethene	5*	1.0	U	0.440 F	0.340 F	U	0.300 F	0.320 F	0.380 F	0.320 F
hexachlorobutadiene	0.5	0.6	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	0.49 F	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	46	36.3	33.3	29.7	34.3	34.7	42.0	46.5
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	68	51.3	49.6	42.5	47.4	53.4	55.6	62.4
total VOCs	-	--	114.81	88.18	83.24	72.2	82.0	88.66	100.14	111.21
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U	U	U	U
ethene	--	5	NA	U	U	U	U	U	U	U
methane	--	5	NA	U	U	U	U	U	U	U
Wet Chemistry										
DOC (mg/L)	--	1	NA	1.1	1	0.60 F	U	0.68 F	0.39 F	0.67 F
sulfate (mg/L)	250	1	NA	8.6	8.2	9.3	10	9.0	8.2	9.5
Field Parameters										
ORP (mV)	--	--	189	310	297	158	312	311	151	99
oxygen (mg/L)	--	--	6.1	5.38	4.05	5.72	6.74	8.20	2.11	7.77
pH (-)	--	--	7.37	6.28	7.03	7.11	6.92	7.14	7.53	7.02

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW19							
Sample ID			**WSAM1918HA**	**WSAM1918IA**	**WSAM1918JA**	**WSAM1918KA**	**WSAM1918LA**			
Date of Collection			**4/7/2011**	**9/8/2011**	**4/13/2012**	**9/27/2012**	**3/14/2013**			
Sample Depth (ft TOIC)			**18**	**18**	**18**	**18**	**18**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.210 F	0.290 F	0.280 F	0.230 F	0.190 F			
acetone	50	10	3.42 FB	U	U	1.13 F	11.4 B			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	0.120 F	0.130 F	U	U	U			
cis-1,2-dichloroethene	5*	1.0	0.300 F	0.260 F	0.150 F	0.190 F	0.140 F			
hexachlorobutadiene	0.5	0.6	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	0.180 F	U			
tetrachloroethene (PCE)	5*	1.0	39.5	43.8	31.6	42.5	33.9			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	47.8	55.0	44.2	52.4	41.8			
total VOCs	-	--	91.35	99.48	76.23	96.63	87.43			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	UJ	U	UJ	U			
methane	--	5	U	U	U	U	U			
Wet Chemistry										
DOC (mg/L)	--	1	1.1	1.3	U	U	U			
sulfate (mg/L)	250	1	9.2	9.1	8.0	8.3	8.5			
Field Parameters										
ORP (mV)	--	--	141	212	238	209	39			
oxygen (mg/L)	--	--	0.08	4.50	9.54	6.34	2.42			
pH (-)	--	--	7.75	7.16	6.69	7.64	7.82			

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW21							
Sample ID			**WSAMW-21**	**WSAM2124AB**	**WSAM2124BB**	**WSAM2124CA**	**WSAM2124DA**	**WSAM2124EB**	**WSAM2124FB**	**WSAM2124GA**
Date of Collection			**11/2/2006**	**9/23/2008**	**12/31/2008**	**4/8/2009**	**6/15/2009**	**9/18/2009**	**4/14/2010**	**10/1/2010**
Sample Depth (ft TOIC)			**24.3**	**24.3**	**24**	**24**	**24**	**24**	**24**	**24**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	2.12 F	1.75 F	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.58	U	0.310 F	0.300 F	U	U	0.220 F	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	0.540 F	0.120 F
hexachlorobutadiene	0.5	0.6	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	1.1	0.380 F	0.860 F	0.740 F	0.380 F	0.290 F	1.11	0.270 F
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	31	5.28	20.4	17.4	6.95	5.45	18.3	5.60
total VOCs	-	--	32.68	5.64	21.57	18.44	7.33	7.86	21.92	5.99
Method RSK-175 (µg/L)										
ethane	--	5	NA	U	U	U	U	U	U	U
ethene	--	5	NA	U	U	U	U	U	U	U
methane	--	5	NA	6.0	U	U	U	2.0 F	U	5.1
Wet Chemistry										
DOC (mg/L)	--	1	NA	0.52 F	1.1	0.50 F	U	1.4	0.36 F	U
sulfate (mg/L)	250	1	NA	22	7.1	6.6	19	21	9.3	19
Field Parameters										
ORP (mV)	--	--	238	85	287	255	317	307	141	232
oxygen (mg/L)	--	--	8.2	4.42	8.50	6.60	4.45	3.92	6.57	0.00
pH (-)	--	--	7.03	7.61	6.16	6.91	6.96	7.47	6.99	6.76

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW21							
Sample ID			**WSAM2124HA**	**WSAM2124IA**	**WSAM2124JA**	**WSAM2124KA**	**WSAM2124LA**			
Date of Collection			**4/7/2011**	**9/8/2011**	**4/13/2012**	**9/27/2012**	**3/15/2013**			
Sample Depth (ft TOIC)			**24**	**24**	**24**	**24**	**24**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U			
acetone	50	10	3.08 FB	U	U	1.06 F	8.30 FB			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	0.270 F	U	0.180 F	U	U			
cis-1,2-dichloroethene	5*	1.0	0.140 F	U	0.200 F	U	0.140 F			
hexachlorobutadiene	0.5	0.6	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	0.180 F	U			
tetrachloroethene (PCE)	5*	1.0	1.35	1.06	1.1	0.710 F	0.610 F			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-Dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	20.6	12.0	18.6	10.3	10.1			
total VOCs	-	--	25.44	13.06	20.08	12.25	19.15			
Method RSK-175 (µg/L)										
ethane	--	5	U	U	U	U	U			
ethene	--	5	U	UJ	U	UJ	U			
methane	--	5	U	6.3	U	7	6.7			
Wet Chemistry										
DOC (mg/L)	--	1	1.4	U	U	U	U			
sulfate (mg/L)	250	1	6.5	21	9.6	22	18			
Field Parameters										
ORP (mV)	--	--	140	107	215	212	73			
oxygen (mg/L)	--	--	6.36	3.91	5.66	7.28	0.00			
pH (-)	--	--	7.23	7.62	6.71	7.86	7.85			

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	WSA-MW23							
Sample ID			**WSAMW-23**	**WSAM2324AB**		**WSAM2324AB**	**WSAM2324FB**	**WSAM2324GA**	**WSAM2324IA**	**WSAM2324KA**
Date of Collection			**10/24/2006**	**9/23/2008**		**9/18/2009**	**4/14/2010**	**10/1/2010**	**9/8/2011**	**9/27/2012**
Sample Depth (ft TOIC)			**24.2**	**24.2**		**24.2**	**24**	**24**	**24**	**24**
Dilution Factor (-)			**1**	**1**		**1**	**1**	**1**	**1**	**1/10**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	Monitoring well not sampled, annual sampling frequency.	U	U	U	U	U
acetone	50	10	U	U		2.65 F	1.70 F	1.38 F	U	2.79 F
chlorobenzene	5*	0.5	U	U		U	U	U	U	U
chloroform	7	0.3	U	U		U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U		U	U	U	U	U
hexachlorobutadiene	0.5	0.6	0.40 F	U		U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U		U	U	U	U	U
methylene chloride	5*	1.0	U	U		U	U	U	U	0.190 F
tetrachloroethene (PCE)	5*	1.0	U	U		U	U	U	0.150 F	U
toluene	5*	1.0	U	U		U	U	U	U	U
trans-1,2-Dichloroethene	5*	1.0	U	U		U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U		U	U	U	U	U
total VOCs	-	--	0.4	0		2.65	1.7	1.38	0.150	2.98
Method RSK-175 (µg/L)										
ethane	--	5	NA	U		U	U	U	U	U
ethene	--	5	NA	U		U	U	U	UJ	UJ
methane	--	5	NA	1.5 F		17	52	180	94	430
Wet Chemistry										
DOC (mg/L)	--	1	NA	0.45 F		0.94 F	U	U	U	U
sulfate (mg/L)	250	1	NA	15		12	13	13	11	11
Field Parameters										
ORP (mV)	--	--	31	69		315	-31	52	-88	-35
oxygen (mg/L)	--	--	4.8	4.91		4.88	0.00	0.00	0.00	0.00
pH (-)	--	--	7.74	7.93		7.78	7.85	7.32	7.85	8.15

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**WSA-MW23**							
Sample ID										
Date of Collection										
Sample Depth (ft TOIC)										
Dilution Factor (-)										
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0								
acetone	50	10								
chlorobenzene	5*	0.5								
chloroform	7	0.3								
cis-1,2-dichloroethene	5*	1.0								
hexachlorobutadiene	0.5	0.6								
methyl tert-butyl ether	10	5.0								
methylene chloride	5*	1.0								
tetrachloroethene (PCE)	5*	1.0								
toluene	5*	1.0								
trans-1,2-Dichloroethene	5*	1.0								
trichloroethene (TCE)	5*	1.0								
total VOCs	-	--								
Method RSK-175 (µg/L)										
ethane	--	5								
ethene	--	5								
methane	--	5								
Wet Chemistry										
DOC (mg/L)	--	1								
sulfate (mg/L)	250	1								
Field Parameters										
ORP (mV)	--	--								
oxygen (mg/L)	--	--								
pH (-)	--	--								

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	B817-MW-001							
Sample ID			**B817-MW-001**	**817M0113BB**	**817M0112BB**	**817M0111DA**	**817M0111FB**			
Date of Collection			**10/24/2006**	**2/21/2007**	**11/24/2008**	**6/15/2009**	**4/15/2010**	**10/1/2010**	**4/7/2011**	**9/8/2011**
Sample Depth (ft TOIC)			**10-20**	**10-20**	**10-20**	**10-20**	**10-20**			
Dilution Factor (-)			**1**	**1**	**2**	**1**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	NA	NA	NA	Not Sampled due to Injection Residuals	Not Sampled due to Injection Residuals	Not Sampled
acetone	50	10	U	U	NA	NA	NA			
chlorobenzene	5*	0.5	U	U	NA	NA	NA			
chloroform	7	0.3	U	U	NA	NA	NA			
cis-1,2-dichloroethene	5*	1.0	U	U	NA	NA	NA			
hexachlorobutadiene	0.5	0.6	U	U	NA	NA	NA			
methyl tert-butyl ether	10	5.0	U	U	NA	NA	NA			
methylene chloride	5*	1.0	U	0.230 F	NA	NA	NA			
tetrachloroethene (PCE)	5*	1.0	0.40 F	0.680 F	NA	NA	NA			
toluene	5*	1.0	U	U	NA	NA	NA			
trans-1,2-Dichloroethene	5*	1.0	U	U	NA	NA	NA			
trichloroethene (TCE)	5*	1.0	2.4	1.08	NA	NA	NA			
total VOCs	-	--	2.8	1.99	NA	NA	NA			
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA	NA	NA			
ethene	--	5	NA	NA	NA	NA	NA			
methane	--	5	NA	NA	NA	NA	NA			
Wet Chemistry										
DOC (mg/L)	--	1	NA	NA	25	10	2.5			
sulfate (mg/L)	250	1	NA	NA	NA	NA	NA			
Field Parameters										
ORP (mV)	--	--	NA	317	1	-81	122			
oxygen (mg/L)	--	--	NA	10.38	5.21	5.22	3.83			
pH (-)	--	--	NA	7.76	6.57	6.87	7.56			

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**B817-MW-001**							
Sample ID			**817M0110JA**	**817M0111KA**	**817M0109LA**					
Date of Collection			**4/16/2012**	**10/1/2012**	**3/14/2013**					
Sample Depth (ft TOIC)			**10-20**	**10-20**	**10-20**					
Dilution Factor (-)			**9**	**1**	**1**					
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	NA	NA	NA					
acetone	50	10	NA	NA	NA					
chlorobenzene	5*	0.5	NA	NA	NA					
chloroform	7	0.3	NA	NA	NA					
cis-1,2-dichloroethene	5*	1.0	NA	NA	NA					
hexachlorobutadiene	0.5	0.6	NA	NA	NA					
methyl tert-butyl ether	10	5.0	NA	NA	NA					
methylene chloride	5*	1.0	NA	NA	NA					
tetrachloroethene (PCE)	5*	1.0	NA	NA	NA					
toluene	5*	1.0	NA	NA	NA					
trans-1,2-Dichloroethene	5*	1.0	NA	NA	NA					
trichloroethene (TCE)	5*	1.0	NA	NA	NA					
total VOCs	-	--	NA	NA	NA					
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA					
ethene	--	5	NA	NA	NA					
methane	--	5	NA	NA	NA					
Wet Chemistry										
DOC (mg/L)	--	1	58	150	4.3					
sulfate (mg/L)	250	1	NA	NA	NA					
Field Parameters										
ORP (mV)	--	--	-157	-99	-90					
oxygen (mg/L)	--	--	0.00	7.33	0.00					
pH (-)	--	--	6.50	6.41	6.54					

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	B817-MW-002							
Sample ID			**B817-MW-002**	**817M0210BB**	**817M0211BB**	**817M0210DA**	**817M0211FB**			
Date of Collection			**10/24/2006**	**2/21/2007**	**11/24/2008**	**6/15/2009**	**4/15/2010**	**10/1/2010**	**4/7/2011**	**9/8/2011**
Sample Depth (ft TOIC)			**10-20**	**10-20**	**10-20**	**10-20**	**10-20**			
Dilution Factor (-)			**1**	**1**	**9**	**9**	**1**			
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	NA	NA	NA	Not Sampled due to Injection Residuals	Not Sampled due to Injection Residuals	Not Sampled
acetone	50	10	U	2.13 F	NA	NA	NA			
chlorobenzene	5*	0.5	U	U	NA	NA	NA			
chloroform	7	0.3	0.49 F	0.160 F	NA	NA	NA			
cis-1,2-dichloroethene	5*	1.0	U	U	NA	NA	NA			
hexachlorobutadiene	0.5	0.6	U	U	NA	NA	NA			
methyl tert-butyl ether	10	5.0	U	U	NA	NA	NA			
methylene chloride	5*	1.0	U	0.140 F	NA	NA	NA			
tetrachloroethene (PCE)	5*	1.0	5.6	3.84	NA	NA	NA			
toluene	5*	1.0	U	0.210 F	NA	NA	NA			
trans-1,2-Dichloroethene	5*	1.0	U	U	NA	NA	NA			
trichloroethene (TCE)	5*	1.0	25	5.17	NA	NA	NA			
total VOCs	-	--	31.09	9.31	NA	NA	NA			
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA	NA	NA			
ethene	--	5	NA	NA	NA	NA	NA			
methane	--	5	NA	NA	NA	NA	NA			
Wet Chemistry										
DOC (mg/L)	--	1	NA	NA	88	130	2.9			
sulfate (mg/L)	250	1	NA	NA	NA	NA	NA			
Field Parameters										
ORP (mV)	--	--	NA	277	-77	-91	-90			
oxygen (mg/L)	--	--	NA	1.91	10.26	7.63	3.13			
pH (-)	--	--	NA	7.74	6.37	6.19	7.22			

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	B817-MW-002							
Sample ID			**817M0209JA**	**817M0210KA**	**817M0208LA**					
Date of Collection			**4/16/2012**	**10/1/2012**	**3/14/2013**					
Sample Depth (ft TOIC)			**10-20**	**10-20**	**10-20**					
Dilution Factor (-)			**41**	**40**	**1**					
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	NA	NA	NA					
acetone	50	10	NA	NA	NA					
chlorobenzene	5*	0.5	NA	NA	NA					
chloroform	7	0.3	NA	NA	NA					
cis-1,2-dichloroethene	5*	1.0	NA	NA	NA					
hexachlorobutadiene	0.5	0.6	NA	NA	NA					
methyl tert-butyl ether	10	5.0	NA	NA	NA					
methylene chloride	5*	1.0	NA	NA	NA					
tetrachloroethene (PCE)	5*	1.0	NA	NA	NA					
toluene	5*	1.0	NA	NA	NA					
trans-1,2-Dichloroethene	5*	1.0	NA	NA	NA					
trichloroethene (TCE)	5*	1.0	NA	NA	NA					
total VOCs	-	--	NA	NA	NA					
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA					
ethene	--	5	NA	NA	NA					
methane	--	5	NA	NA	NA					
Wet Chemistry										
DOC (mg/L)	--	1	320	160	230					
sulfate (mg/L)	250	1	NA	NA	NA					
Field Parameters										
ORP (mV)	--	--	-167	24	-100					
oxygen (mg/L)	--	--	0.00	2.06	0.00					
pH (-)	--	--	6.25	6.38	6.15					

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	B817-MW-003							
Sample ID			**B817-MW-003**	**817M0309BB**	**817M0309BB**	**817M0309DA**	**817M0309FB**		**817M0309HA**	
Date of Collection			**10/24/2006**	**2/21/2007**	**11/24/2008**	**6/15/2009**	**4/15/2010**	**10/1/2010**	**4/7/2011**	**9/8/2011**
Sample Depth (ft TOIC)			**10-20**	**10-20**	**10-20**	**10-20**	**10-20**		**10-20**	
Dilution Factor (-)			**1**	**2.5**	**9**	**1**	**1**		**1**	
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	NA	NA	NA	Not Sampled due to Injection Residuals	NA	Not Sampled
acetone	50	10	U	3.60 F	NA	NA	NA		NA	
chlorobenzene	5*	0.5	U	U	NA	NA	NA		NA	
chloroform	7	0.3	U	U	NA	NA	NA		NA	
cis-1,2-dichloroethene	5*	1.0	U	U	NA	NA	NA		NA	
hexachlorobutadiene	0.5	0.6	U	U	NA	NA	NA		NA	
methyl tert-butyl ether	10	5.0	0.28 F	U	NA	NA	NA		NA	
methylene chloride	5*	1.0	U	0.325 F	NA	NA	NA		NA	
tetrachloroethene (PCE)	5*	1.0	13	8.78 J	NA	NA	NA		NA	
toluene	5*	1.0	U	U	NA	NA	NA		NA	
trans-1,2-Dichloroethene	5*	1.0	U	U	NA	NA	NA		NA	
trichloroethene (TCE)	5*	1.0	21	11.1 J	NA	NA	NA		NA	
total VOCs	-	--	34.28	20.205	NA	NA	NA		NA	
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA	NA	NA		NA	
ethene	--	5	NA	NA	NA	NA	NA		NA	
methane	--	5	NA	NA	NA	NA	NA		NA	
Wet Chemistry										
DOC (mg/L)	--	1	NA	NA	82	5.5	6.2		19	
sulfate (mg/L)	250	1	NA	NA	NA	NA	NA		NA	
Field Parameters										
ORP (mV)	--	--	NA	183	-62	-80	-87		111	
oxygen (mg/L)	--	--	NA	2.61	7.88	7.78	3.09		6.85	
pH (-)	--	--	NA	7.77	6.58	6.47	7.23		5.15	

Table 3-2
Building 817/WSA Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**B817-MW-003**							
Sample ID			**817M0309JA**	**817M0310KA**	**817M0306LA**					
Date of Collection			**4/16/2012**	**10/1/2012**	**3/14/2013**					
Sample Depth (ft TOIC)			**10-20**	**10-20**	**10-20**					
Dilution Factor (-)			**1**	**1**	**1**					
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	NA	NA	NA					
acetone	50	10	NA	NA	NA					
chlorobenzene	5*	0.5	NA	NA	NA					
chloroform	7	0.3	NA	NA	NA					
cis-1,2-dichloroethene	5*	1.0	NA	NA	NA					
hexachlorobutadiene	0.5	0.6	NA	NA	NA					
methyl tert-butyl ether	10	5.0	NA	NA	NA					
methylene chloride	5*	1.0	NA	NA	NA					
tetrachloroethene (PCE)	5*	1.0	NA	NA	NA					
toluene	5*	1.0	NA	NA	NA					
trans-1,2-Dichloroethene	5*	1.0	NA	NA	NA					
trichloroethene (TCE)	5*	1.0	NA	NA	NA					
total VOCs	-	--	NA	NA	NA					
Method RSK-175 (µg/L)										
ethane	--	5	NA	NA	NA					
ethene	--	5	NA	NA	NA					
methane	--	5	NA	NA	NA					
Wet Chemistry										
DOC (mg/L)	--	1	2.1	0.91 F	0.81 F					
sulfate (mg/L)	250	1	NA	NA	NA					
Field Parameters										
ORP (mV)	--	--	-126	-90	-103					
oxygen (mg/L)	--	--	0.00	2.11	0.00					
pH (-)	--	--	6.64	7.13	6.97					

Notes:
BGS - Below Ground Surface.
DOC - Dissolved Organic Carbon.
F - Analyte was positively identified above the Method Detection Limit (=MDL), but the concentration is below the Reporting Limit (=RL).
M- Matrix effect is present.
NA - Not Analyzed.
NS - Not Sampled.
ORP - Oxygen Reduction Potential.
TOIC - Top of inside casing.
U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.
- Exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 ug/L applies to this COC.
- - No NYS Groundwater Standard or Reporting Limit available.
J - The quantification is estimated due to the inability to meet certain QA/QC criteria.
B- The result for the analyte was detected in a blank sample.

Table 4-1
Building 775 Performance Monitoring Sample Analysis Summary

	Screen Depth	Current[1] Frequency of Sampling			Proposed[2] Frequency of Sampling			Rationale				Analytical Parameters	Field Parameters
Well ID	(ft msl)	Quarterly	Semi-Annual	Annual	Quarterly	Annual	Biennial	Source Area	Upgradient	Crossgradient	Downgradient	VOCs - SW8260B	Water Levels
775VMW-4	447.64 - 457.64			X		X			X			X	X
775VMW-5	442.94 - 452.94		X			X		X				X	X
775MW-6	439.18 - 449.18		X			X					X	X	X
775VMW-8	439.29 - 449.29		X			X					X	X	X
775VMW-9	412.92 - 427.92			X			X				X	X	X
775VMW-10	412.14 - 427.14					X					X	X	X
775VMW-19R	440.58 - 460.58		X				X				X	X	X
775MW-20	398.33 - 408.33		X			X					X	X	X
775VMW-20R	403.85 - 413.85		X				X				X	X	X
775MW-27	435.19 - 455.19			X		X					X	X	X
775MW-28	424.72 - 444.72		X			X					X	X	X
EW-1	436.56 - 456.56		X				X				X	X	X
Effluent													
EF-1	-	X			X							X	
										Totals*:		13	12

Notes:
MSL = mean sea level
VOCs = volatile organic compounds
1 = pre 2013 sampling
2 = 2014 and later sampling, starting in September 2014
* = The Totals number does not include QA/QC samples. Please refer to FSP for details concerning the number of QA/QC samples and their locations. At least one MS/MSD and two field duplicates will be collected per SDG; one equipment blank per day and one ambient blank per day; one trip blank per cooler containing VOCs.

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-4							
Sample ID			**775VM0465AA**		**775VM0465DA**	**775VM0465GA**	**775VM0465KA**	**775VM0465NA**		
Date of Collection			**1/12/2009**		**9/22/2009**	**9/27/2010**	**9/8/2011**	**9/24/2012**		
Sample Depth (ft TOIC)			**65**		**65**	**65**	**65**	**65**		
Dilution Factor (-)			**1**		**1**	**1**	**1**	**1**		
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.220 F	Monitoring well not sampled, annual sampling frequency.	0.280 F	0.240 F	0.250 F	0.180 F		
1,1-dichloroethane	5*	1.0	U		U	U	U	U		
1,1-dichloroethene	5*	1.0	U		U	U	U	U		
1,2,3-trichlorobenzene	5*	1.0	U		U	U	U	U		
1,2,4-trichlorobenzene	5*	1.0	U		U	U	U	U		
1,2-dichloroethane	0.6	0.5	U		U	U	U	U		
acetone	50	10	U		U	1.49 FB	U	U		
Chlorobenzene	5*	0.5	U		U	U	U	U		
chloroform	7	0.3	0.630		0.720	0.640	0.750	0.610		
cis-1,2-dichloroethene (DCE)	5*	--	U		U	U	U	U		
Methylene chloride	5*	1.0	U		U	U	U	U		
tetrachloroethene (PCE)	5*	1.0	U		U	U	U	U		
trichloroethene (TCE)	5*	1.0	5.18		7.26	6.35	6.24	6.03		
trichlorofluoromethane	5*	1.0	U		U	U	U	U		
total VOCs	-	--	6.03		8.26	8.72	7.24	6.82		
Field Parameters										
ORP (mV)	--	--	189		315	143	162	199		
oxygen (mg/L)	--	--	2.36		5.36	6.82	0.00	4.59		
pH (-)	--	--	7.20		7.36	6.83	7.35	7.52		

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-5							
Sample ID			**775VM0570AA**	**775VM0570AA**	**775VM0570BB**	**775VM0570CA**	**775VM0570DA**	**775VM0570FA**	**775VM0570GA**	**775VM0570IA**
Date of Collection			**11/20/2006**	**1/12/2009**	**4/9/2009**	**6/18/2009**	**9/22/2009**	**4/16/2010**	**9/27/2010**	**4/4/2011**
Sample Depth (ft TOIC)			**70**	**70**	**70**	**70**	**70**	**70**	**70**	**70**
Dilution Factor (-)			**5**	**2.5**	**2.5**	**2.5**	**2.5**	**2**	**2**	**2**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.810 F	0.450 F	0.450 F	0.500 F	0.550 F	0.440 F	0.430 F	0.440 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	1.05 FB	5.34 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.220 F	U	U	U	0.300 F	U	0.170 F	0.220 F
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	81.2	64.7	68.8	74.0	78.9	67.6	71.7	71
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	82.23	65.15	69.25	74.5	79.75	68.04	73.35	77
Field Parameters										
ORP (mV)	--	--	39	218	161	301	329	159	124	251
oxygen (mg/L)	--	--	9.53	10.84	9.60	10.68	10.00	8.79	9.55	6.71
pH (-)	--	--	7.47	7.36	6.80	7.21	7.16	7.71	7.04	7.47

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-5							
Sample ID			**775VM0570KA**	**775VM0570MA**	**775VM0570NA**	**775VM057OA**				
Date of Collection			**9/8/2011**	**4/12/2012**	**9/24/2012**	**3/11/2013**				
Sample Depth (ft TOIC)			**70**	**70**	**70**	**70**				
Dilution Factor (-)			**2**	**1**	**1**	**2**				
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.510 F	0.400 F	0.320 F	0.240 F				
1,1-dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U				
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U				
1,2-dichloroethane	0.6	0.5	U	U	U	U				
acetone	50	10	U	1.80 F	U	10.3 FB				
Chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	0.160 F	0.140 F	U	U				
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U				
Methylene chloride	5*	1.0	U	U	U	0.600 F				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	79.2	62.8	56.9	53.1				
trichlorofluoromethane	5*	1.0	U	U	U	U				
total VOCs	-	--	79.87	65.14	57.22	64.24				
Field Parameters										
ORP (mV)	--	--	108	161	222	149				
oxygen (mg/L)	--	--	7.70	6.84	6.90	6.57				
pH (-)	--	--	7.22	7.16	7.36	7.37				

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775MW-6							
Sample ID			**775M0673AA**	**775M0673AA**	**775M0673BB**	**775M0673CA**	**775M0673DA**	**775M0673FA**	**775M0673GA**	**775M0673IA**
Date of Collection			**11/20/2006**	**1/12/2009**	**4/9/2009**	**6/18/2009**	**9/22/2009**	**4/16/2010**	**9/27/2010**	**4/4/2011**
Sample Depth (ft TOIC)			**73**	**73**	**73**	**73**	**73**	**73**	**73**	**73**
Dilution Factor (-)			**2**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.700 F	0.340 F	0.260 F	0.400 F	0.310 F	0.240 F	0.230 F	0.200 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	2.65 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.950	1.04	0.910	1.01	0.960	0.880	0.820	0.860
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	43.9	19.9	14.9	36.5	19.4	17.7	18.3	15.6
trichlorofluoromethane	5*	1.0	0.580 F	0.510 F	0.500 F	0.690 F	0.550 F	0.380 F	0.370 F	0.290 F
total VOCs	-	--	45.55	21.79	16.57	38.6	21.22	19.2	19.72	19.6
Field Parameters										
ORP (mV)	--	--	352	218	134	308	339	114	106	175
oxygen (mg/L)	--	--	7.04	7.39	6.59	9.21	7.44	3.61	9.05	3.94
pH (-)	--	--	7.76	7.67	6.62	7.54	7.27	8.03	6.97	7.89

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775MW-6							
Sample ID			**775M0673KA**	**775M0673MA**	**775M0673NA**	**775M0673OA**				
Date of Collection			**9/8/2011**	**4/12/2012**	**9/24/2012**	**3/11/2013**				
Sample Depth (ft TOIC)			**73**	**73**	**73**	**73**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.300 F	0.190 F	0.160 F	0.130 F				
1,1-dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U				
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U				
1,2-dichloroethane	0.6	0.5	U	U	U	U				
acetone	50	10	1.38 FB	U	U	9.32 FB				
Chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	1.10	0.800	0.740	0.660				
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U				
Methylene chloride	5*	1.0	U	U	U	U				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	27.3	18.1	18.5	16.5				
trichlorofluoromethane	5*	1.0	0.470 F	0.240 F	0.270 F	0.200 F				
total VOCs	-	--	30.55	19.33	18.93	26.81				
Field Parameters										
ORP (mV)	--	--	195	144	172	93				
oxygen (mg/L)	--	--	6.39	5.29	1.01	4.25				
pH (-)	--	--	7.45	7.49	7.63	7.60				

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-8							
Sample ID			**775M0873AA**	**775M0873AA**	**775M0873BB**	**775VM0873CA**	**775VM0873DA**	**775VM0873FA**	**775VM0873GA**	**775VM0873IA**
Date of Collection			**11/20/2006**	**1/12/2009**	**4/9/2009**	**6/18/2009**	**9/22/2009**	**4/16/2010**	**9/27/2010**	**4/4/2011**
Sample Depth (ft TOIC)			**73**	**73**	**73**	**73**	**73**	**73**	**73**	**73**
Dilution Factor (-)			**1**	**1**	**2**	**2**	**2**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.760 F	0.700 F	0.760 F	0.720 F	0.700 F	0.640 F	0.460 F	0.410 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	1.30 FB	2.43 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	0.110 F	0.110 F	0.110 F	U	U	U	U
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	32.4	38.2	37.1	37.5	39.3	32.1	22.2	15.2
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	33.16	39.01	37.97	38.33	40	32.74	23.96	18.04
Field Parameters										
ORP (mV)	--	--	320	205	253	137	346	109	90	164
oxygen (mg/L)	--	--	4.82	5.53	3.68	4.47	7.15	0.62	7.44	3.10
pH (-)	--	--	7.10	7.65	7.27	7.14	7.19	7.90	7.08	8.28

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-8							
Sample ID			**775VM0873KA**	**775VM0873MA**	**775VM0873NA**	**775VM0873OA**				
Date of Collection			**9/8/2011**	**4/12/2012**	**9/24/2012**	**3/11/2013**				
Sample Depth (ft TOIC)			**73**	**73**	**73**	**73**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.620 F	0.220 F	0.390 F	0.260 F				
1,1-dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U				
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U				
1,2-dichloroethane	0.6	0.5	U	U	U	U				
acetone	50	10	U	U	U	7.53 FB				
Chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	U	U	U	U				
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U				
Methylene chloride	5*	1.0	U	U	U	U				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	31	12.2	25.8	14.1				
trichlorofluoromethane	5*	1.0	U	U	U	U				
total VOCs	-	--	31.62	12.42	26.19	21.89				
Field Parameters										
ORP (mV)	--	--	163	163	173	103				
oxygen (mg/L)	--	--	3.54	2.34	0.00	3.24				
pH (-)	--	--	7.77	7.40	7.72	7.73				

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-9							
Sample ID			**775VM0992AA**	**775VM0992AA**		**775VM0992DA**	**775VM0992GA**	**775VM0992KA**	**775VM0992NA**	
Date of Collection			**11/17/2006**	**1/12/2009**		**9/22/2009**	**9/27/2010**	**9/8/2011**	**9/24/2012**	
Sample Depth (ft TOIC)			**92**	**92**		**92**	**92**	**92**	**92**	
Dilution Factor (-)			**1**	**1**		**1**	**1**	**1**	**1**	
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	Monitoring well not sampled, annual sampling frequency.	U	U	U	U	
1,1-dichloroethane	5*	1.0	U	U		U	U	U	U	
1,1-dichloroethene	5*	1.0	U	U		U	U	U	U	
1,2,3-trichlorobenzene	5*	1.0	U	U		U	U	U	U	
1,2,4-trichlorobenzene	5*	1.0	U	U		U	U	U	U	
1,2-dichloroethane	0.6	0.5	U	U		U	U	U	U	
acetone	50	10	U	U		1.83 F	U	5.00 FB	U	
Chlorobenzene	5*	0.5	U	U		U	U	U	U	
chloroform	7	0.3	U	0.320 F		0.110 F	U	0.250 F	0.170 F	
cis-1,2-dichloroethene (DCE)	5*	--	U	U		U	U	U	U	
Methylene chloride	5*	1.0	U	U		U	U	U	U	
tetrachloroethene (PCE)	5*	1.0	U	U		U	U	U	U	
trichloroethene (TCE)	5*	1.0	0.330 F	0.500 F		0.590 F	0.570 F	0.470 F	0.510 F	
trichlorofluoromethane	5*	1.0	U	U		U	U	U	U	
total VOCs	-	--	0.33	0.82		2.53	0.57	1.22	0.680	
Field Parameters										
ORP (mV)	--	--	283	-6		124	162	15	89	
oxygen (mg/L)	--	--	1.67	1.89		2.44	1.11	0.65	4.62	
pH (-)	--	--	7.56	8.81		7.10	8.11	8.05	8.49	

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-10							
Sample ID			**775VM1095AA**	**775VM1095AA**	**775VM1095BB**	**775VM1095CA**	**775VM1095DA**	**775VM1095FA**	**775VM1095GA**	**775VM1095IA**
Date of Collection			**11/17/2006**	**1/12/2009**	**4/15/2009**	**6/18/2009**	**9/14/2009**	**4/16/2010**	**9/27/2010**	**4/4/2011**
Sample Depth (ft TOIC)			**95**	**95**	**95**	**95**	**95**	**95**	**95**	**95**
Dilution Factor (-)			**5**	**2**	**2**	**2**	**2**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.900 F	0.500 F♦	0.460 F	0.440 F	0.420 F♦	0.420 F♦	0.450 F	0.450 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	1.14 FB	2.46 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	0.200 F
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	70.8	43.5♦	43.7	44.0 ♦	45.8 ♦	41.6 ♦	40.4	47.7
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	71.7	44	44.16	44.44	46.22	42.02	41.99	50.81
Field Parameters										
ORP (mV)	--	--	353	225	154	179	104	142	173	229
oxygen (mg/L)	--	--	9.40	9.60	9.83	9.42	9.54	8.88	6.06	5.25
pH (-)	--	--	7.81	6.92	7.55	7.01	7.05	7.89	7.92	7.51

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-10							
Sample ID			**775VM1095IA**	**775VM1095MA**	**775VM1095NA**	**775VM1095OA**				
Date of Collection			**9/8/2011**	**4/12/2012**	**9/24/2012**	**3/11/2013**				
Sample Depth (ft TOIC)			**95**	**95**	**95**	**95**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.390 F	0.440 F	0.350 F	0.370 F				
1,1-dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U				
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U				
1,2-dichloroethane	0.6	0.5	U	U	U	U				
acetone	50	10	1.37 F	U	U	13.9 B				
Chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	0.160 F	0.13 F	U	0.220 F				
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U				
Methylene chloride	5*	1.0	U	U	U	U				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	38.9	49.6	41.5	39.3				
trichlorofluoromethane	5*	1.0	U	U	U	U				
total VOCs	-	--	40.82	50.17	41.85	53.79				
Field Parameters										
ORP (mV)	--	--	194	86	190	52				
oxygen (mg/L)	--	--	7.14	6.89	7.93	6.53				
pH (-)	--	--	7.55	7.73	8.42	8.87				

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-19R							
Sample ID			**775M19R67AA**	**775M19R67BB**	**775VM19R67BB**	**775VM19R67DA**	**775VM19R67FA**	**775VM19R67GA**	**775VM19R67IA**	**775VM19R67KA**
Date of Collection			**1/12/2009**	**4/9/2009**	**6/18/2009**	**9/22/2009**	**4/16/2010**	**9/29/2010**	**4/4/2011**	**9/8/2011**
Sample Depth (ft TOIC)			**67**	**67**	**67**	**67**	**67**	**67**	**67**	**67**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	1.18 F	U	1.02 FB	2.41 FB	1.04 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.200 F	0.140 F	U	U	U	U	U	U
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	0.2	0.14	0	1.18	0	1.02	2.41	1.04
Field Parameters										
ORP (mV)	--	--	185	163	131	128	89	90	149	151
oxygen (mg/L)	--	--	8.37	7.68	9.28	9.15	8.17	10.02	6.94	8.46
pH (-)	--	--	7.19	7.27	7.04	7.09	8.42	7.10	8.35	8.00

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775VMW-19R							
Sample ID			**775VM19R67MA**	**775VM19R67NA**	**775VM19R67OA**					
Date of Collection			**4/12/2012**	**9/24/2012**	**3/11/2013**					
Sample Depth (ft TOIC)			**67**	**67**	**67**					
Dilution Factor (-)			**1**	**1**	**1**					
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U					
1,1-dichloroethane	5*	1.0	U	U	U					
1,1-dichloroethene	5*	1.0	U	U	U					
1,2,3-trichlorobenzene	5*	1.0	U	U	U					
1,2,4-trichlorobenzene	5*	1.0	U	U	U					
1,2-dichloroethane	0.6	0.5	U	U	U					
acetone	50	10	U	U	12.6 B					
Chlorobenzene	5*	0.5	U	U	U					
chloroform	7	0.3	U	U	U					
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U					
Methylene chloride	5*	1.0	U	U	U					
tetrachloroethene (PCE)	5*	1.0	U	U	U					
trichloroethene (TCE)	5*	1.0	U	0.150 F	U					
trichlorofluoromethane	5*	1.0	U	U	U					
total VOCs	-	--	U	0.150 F	12.6					
Field Parameters										
ORP (mV)	--	--	98	171	109					
oxygen (mg/L)	--	--	6.73	9.96	6.53					
pH (-)	--	--	7.95	8.71	7.96					

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775MW-20							
Sample ID			**775M20115AA**	**775M20115AA**	**775M20115BB**	**775M20115CA**	**775M20115DA**	**775M20115FA**	**775M20115GA**	**775VMW20115I**
Date of Collection			**11/17/2006**	**1/12/2009**	**4/9/2009**	**6/18/2009**	**9/22/2009**	**4/16/2010**	**9/27/2010**	**4/4/2011**
Sample Depth (ft TOIC)			**115**	**115**	**115**	**115**	**115**	**115**	**115**	**115**
Dilution Factor (-)			**2.5**	**1**	**1**	**2**	**2**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	1.90 F	1.06	1.04	1.52	2.30	0.450 F	1.07	0.840 F
1,1-dichloroethane	5*	1.0	1.00 F	0.540 F	0.580 F	1.20	1.70 F	0.510 F	0.800 F	1.02
1,1-dichloroethene	5*	1.0	0.650 F	0.710 F	0.560 F	1.07	1.30 F	0.490 F	0.960 F	0.990 F
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	0.170 F	U	U	U	U
acetone	50	10	U	U	U	U	U	U	1.01 FB	1.78 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	0.280 F	U	0.110 F	U
cis-1,2-dichloroethene (DCE)	5*	--	U	0.370 F	0.130 F	0.200 F	0.240 F	U	0.210 F	0.190 F
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	46.4	33.6	34.0	41.9	79.1	15.8	52.4	36.1
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	49.95	36.28	36.31	46.06	84.92	17.25	56.56	40.92
Field Parameters										
ORP (mV)	--	--	284	120	25	-17	109	-29	75	19
oxygen (mg/L)	--	--	1.10	1.97	0.43	0.90	2.50	0.00	0.67	0.00
pH (-)	--	--	7.94	7.62	7.10	7.37	7.24	7.87	7.65	7.71

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775MW-20							
Sample ID			**775VMW20115K**	**775M20115MA**	**775M20115NA**	**775M20115OA**				
Date of Collection			**9/8/2011**	**4/12/2012**	**9/24/2012**	**3/11/2013**				
Sample Depth (ft TOIC)			**115**	**115**	**115**	**115**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.920 F	0.9 F	0.170 F	0.330 F				
1,1-dichloroethane	5*	1.0	1.41	1.63	0.870 F	1.32				
1,1-dichloroethene	5*	1.0	1.31	1.24	0.810 F	0.920 F				
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U				
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U				
1,2-dichloroethane	0.6	0.5	0.210 F	0.22 F	U	0.200 F				
acetone	50	10	3.28 F	2.55 F	U	15.9 B				
Chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	0.130 F	U	U	U				
cis-1,2-dichloroethene (DCE)	5*	--	0.240 F	0.24 F	0.130 F	0.160 F				
Methylene chloride	5*	1.0	U	U	U	U				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	54.1	39.4	12.2	20.2				
trichlorofluoromethane	5*	1.0	U	U	U	U				
total VOCs	-	--	61.52	46.18	14.18	39.03				
Field Parameters										
ORP (mV)	--	--	-104	-77	-49	89				
oxygen (mg/L)	--	--	0.44	0.22	0.73	0.54				
pH (-)	--	--	7.44	7.30	8.23	7.53				

Table 4-2
Building 775 Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**775VMW-20R**							
Sample ID			**775VM20R115A**	**775VM20R115A**		**775VMW20R115**	**775VMW20R115**	**775VMW20R115KA**	**775VMW20R115NA**	
Date of Collection			**11/20/2006**	**1/12/2009**		**9/22/2009**	**9/27/2010**	**9/8/2011**	**9/24/2012**	
Sample Depth (ft TOIC)			**115**	**115**		**115**	**115**	**115**	**115**	
Dilution Factor (-)			**1**	**1**		**1**	**1**	**1**	**1**	
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	Monitoring well not sampled, annual sampling frequency.	U	U	U	U	
1,1-dichloroethane	5*	1.0	U	U		U	U	U	U	
1,1-dichloroethene	5*	1.0	U	U		U	U	U	U	
1,2,3-trichlorobenzene	5*	1.0	U	U		U	U	U	U	
1,2,4-trichlorobenzene	5*	1.0	U	U		U	U	U	U	
1,2-dichloroethane	0.6	0.5	U	U		U	U	U	U	
acetone	50	10	U	U		1.38 F	1.19 FB	4.08 F	U	
Chlorobenzene	5*	0.5	U	U		U	U	U	U	
chloroform	7	0.3	U	U		U	U	U	U	
cis-1,2-dichloroethene (DCE)	5*	--	U	U		U	U	U	U	
Methylene chloride	5*	1.0	U	U		U	U	U	U	
tetrachloroethene (PCE)	5*	1.0	U	U		U	U	U	U	
trichloroethene (TCE)	5*	1.0	U	U		U	U	U	U	
trichlorofluoromethane	5*	1.0	U	U		U	U	U	U	
total VOCs	-	--	0	0		1.38	1.19	4.08	U	
Field Parameters										
ORP (mV)	--	--	120	-1		-52	55	-136	-59	
oxygen (mg/L)	--	--	1.59	1.81		1.60	0.38	0.24	1.91	
pH (-)	--	--	7.27	8.70		7.34	7.64	7.59	8.33	

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775MW-27							
Sample ID			**775MW-27**	**775M2771AA**	**775M2771BB**	**775M2771CA**	**775M2771DA**	**775M2771FA**	**775M2771GA**	**775M2771IA**
Date of Collection			**11/2/2006**	**1/13/2009**	**4/9/2009**	**6/18/2009**	**9/22/2009**	**4/16/2010**	**10/1/2010**	**4/5/2011**
Sample Depth (ft TOIC)			**70.6**	**70.6**	**70.6**	**70.6**	**71**	**71**	**71**	**71**
Dilution Factor (-)			**5**	**5**	**2**	**2**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	1.2	0.500 F	0.580 F	0.550 F	0.540 F	0.470 F	0.500 F	0.490 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	0.110 F	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	0.110 F	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	6.33	U	U	1.47 F	U	U	4.30 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.43 F	0.700	0.610	0.630	0.510	0.580	0.580	0.830
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	82	31.3	39.3	36.2	33.4	26	20.8	21.0
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	83.63	39.05	40.49	37.38	34.45	27.05	21.88	26.62
Field Parameters										
ORP (mV)	--	--	243	230	144	308	121	165	135	197
oxygen (mg/L)	--	--	9.00	10.10	9.67	10.22	9.24	7.00	9.85	4.75
pH (-)	--	--	7.48	6.70	6.73	7.41	7.15	7.83	7.00	7.68

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775MW-27							
Sample ID			**775M2771KA**	**775M2771MA**	**775M2771NA**	**775M2771OA**				
Date of Collection			**9/8/2011**	**4/12/2012**	**9/25/2012**	**3/11/2013**				
Sample Depth (ft TOIC)			**71**	**71**	**71**	**71**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.410 F	0.43 F	0.430 F	U				
1,1-dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U				
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U				
1,2-dichloroethane	0.6	0.5	U	U	U	U				
acetone	50	10	3.82 FB	U	U	4.32 FB				
Chlorobenzene	5*	0.5	U	U	U	0.170 F				
chloroform	7	0.3	0.660	0.940	1.56	U				
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U				
Methylene chloride	5*	1.0	U	U	U	0.520 F				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	18.8	21.1	21.8	U				
trichlorofluoromethane	5*	1.0	U	U	U	U				
total VOCs	-	--	23.69	22.47	23.79	4.92				
Field Parameters										
ORP (mV)	--	--	167	153	119	112				
oxygen (mg/L)	--	--	7.55	7.05	5.22	6.79				
pH (-)	--	--	7.65	7.51	7.55	7.44				

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775MW-28							
Sample ID			**775MW-28**	**775M2880BB**	**775M2880BB**	**775M2880CA**	**775M2880DA**	**775M2880FA**	**775M2880GA**	**775M2880IA**
Date of Collection			**11/2/2006**	**1/13/2009**	**4/9/2009**	**6/18/2009**	**9/22/2009**	**4/16/2010**	**9/27/2010**	**4/5/2011**
Sample Depth (ft TOIC)			**80**	**80**	**80**	**80**	**80**	**80**	**80**	**80**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.29 F	U	0.150 F♦	U	U	U	U	0.110 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	0.140 F♦	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	0.140 F♦	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	1.04 F♦	U	1.62 FB♦	4.56 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	15	0.200 F	5.61	0.290 F♦	0.230 F♦	1.27♦	0.390 F♦	3.23
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	15.29	0.2	5.75	0.29	1.27	1.27	0.39	7.9
Field Parameters										
ORP (mV)	--	--	222	209	228	115	322	55	84	220
oxygen (mg/L)	--	--	8.50	8.63	7.83	9.11	9.15	8.49	10.30	7.82
pH (-)	--	--	7.89	6.95	8.09	7.24	7.84	8.86	7.16	8.15

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775MW-28							
Sample ID			**775M2880KA**	**775M2880MA**	**775M2880NA**	**775M2880OA**				
Date of Collection			**9/8/2011**	**4/12/2012**	**9/24/2012**	**3/11/2013**				
Sample Depth (ft TOIC)			**80**	**80**	**80**	**80**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	U	U	U	0.140 F				
1,1-dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U				
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U				
1,2-dichloroethane	0.6	0.5	U	U	U	U				
acetone	50	10	U	U	2.99 F♦	10.6 B♦				
Chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	U	U	U	U				
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U				
Methylene chloride	5*	1.0	U	U	U	U				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	0.640 F	2.1 ♦	1.12	7.41 ♦				
trichlorofluoromethane	5*	1.0	U	U	U	U				
total VOCs	-	--	0.64	2.1	4.11	18.15				
Field Parameters										
ORP (mV)	--	--	143	180	148	119				
oxygen (mg/L)	--	--	7.09	7.67	2.44	7.10				
pH (-)	--	--	8.28	7.72	8.50	8.08				

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775EW-1							
Sample ID			**775E0175BB**	**775E0175CA**	**775E0175DA**	**775E0175FA**	**775E0175GA**	**775E0175IA**	**775E0175KA**	**775E0175MA**
Date of Collection			**4/15/2009**	**6/18/2009**	**9/22/2009**	**4/16/2010**	**10/1/2010**	**4/5/2011**	**9/8/2011**	**4/12/2012**
Sample Depth (ft TOIC)			**75**	**75**	**75**	**75**	**75**	**75**	**75**	**75**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.420 F	0.430 F	0.410 F	0.430 F	0.510 F	0.570 F	0.450 F	0.52 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	1.80 F	U	U	3.03 FB	7.33 FB	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.120 F	U	U	0.190 F	0.260 F	0.460 F	0.370 F	0.43 F
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	0.54	0.43	2.21	0.62	0.77	4.06	8.15	0.95
Field Parameters										
ORP (mV)	--	--	113	207	102	93	56	200	132	49
oxygen (mg/L)	--	--	6.66	8.17	7.74	4.57	8.52	8.01	6.37	5.45
pH (-)	--	--	7.88	7.54	7.16	7.86	7.31	7.57	7.53	7.59

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	775EW-1							
Sample ID			**775E0175NA**	**775E0175OA**						
Date of Collection			**9/24/2012**	**3/11/2013**						
Sample Depth (ft TOIC)			**75**	**75**						
Dilution Factor (-)			**1**	**1**						
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.410 F	0.400 F						
1,1-dichloroethane	5*	1.0	U	U						
1,1-dichloroethene	5*	1.0	U	U						
1,2,3-trichlorobenzene	5*	1.0	U	U						
1,2,4-trichlorobenzene	5*	1.0	U	U						
1,2-dichloroethane	0.6	0.5	U	U						
acetone	50	10	U	6.13 FB						
Chlorobenzene	5*	0.5	U	U						
chloroform	7	0.3	0.450 F	0.540						
cis-1,2-dichloroethene (DCE)	5*	--	U	U						
Methylene chloride	5*	1.0	U	U						
tetrachloroethene (PCE)	5*	1.0	U	U						
trichloroethene (TCE)	5*	1.0	U	U						
trichlorofluoromethane	5*	1.0	U	U						
total VOCs	-	--	0.860 F	7.07						
Field Parameters										
ORP (mV)	--	--	162	95						
oxygen (mg/L)	--	--	7.19	8.08						
pH (-)	--	--	7.58	7.39						

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	Effluent							
Sample ID			**Effluent 1**	**Effluent 1**	**Effluent 1**	**775EF0101DA**	**775EF0101EA**	**775EF0101FA**	**775EF0101GA**	**775EF0101GA**
Date of Collection			**1/13/2009**	**4/15/2009**	**6/18/2009**	**9/22/2009**	**12/8/2009**	**4/16/2010**	**6/16/2010**	**10/1/2010**
Sample Depth (ft TOIC)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Dilution Factor (-)			**1**	**1**	**1**	**2**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.820 F	0.580 F	0.460 F	0.640 F	0.420 F	0.630 F	0.650 F	0.670 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	1.52 F	1.37 FB
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.380 F	0.360 F	0.400 F	0.500 F	0.280 F	0.490 F	0.460 F	0.440 F
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	62.3	52.5	38.9	54.5	40.3	51.9	56.0	50.3
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	63.5	53.44	39.76	55.64	41.0	53.02	58.63	52.78
Field Parameters										
ORP (mV)	--	--	181	132	239	324	354	15	103	112
oxygen (mg/L)	--	--	9.34	11.37	10.38	10.56	11.77	6.75	10.22	10.51
pH (-)	--	--	7.58	7.85	7.79	7.64	6.61	7.92	6.75	6.90

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	Effluent							
Sample ID			**775EF0101HA**	**775EF0101IA**	**775EF0101JA**	**775EF0101KA**	**775EF0101LA**	**775EF0101MA**	**775EF0101MA**	**775EF0101NA**
Date of Collection			**12/8/2010**	**3/22/2011**	**6/30/2011**	**9/8/2011**	**1/9/2012**	**3/21/2012**	**4/13/2012**	**9/24/2012**
Sample Depth (ft TOIC)			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.480 F	0.600 F	0.460 F	0.570 F	0.530 F	0.550 F	0.480 F	0.390 F
1,1-dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trichlorobenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	0.5	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U
Chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	0.400 F	0.550	0.510 F	0.830	0.790	0.850	0.500	0.520
cis-1,2-dichloroethene (DCE)	5*	--	U	U	U	U	U	U	U	U
Methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	39.3	53.0	34.9	44.2	39.7	43.8	40.1	42.6
trichlorofluoromethane	5*	1.0	U	U	U	U	U	U	U	U
total VOCs	-	--	40.18	54.15	35.87	45.6	41.02	45.3	41.08	43.51
Field Parameters										
ORP (mV)	--	--	90	251	221	279	276	240	74	201
oxygen (mg/L)	--	--	7.36	8.75	9.20	8.33	8.22	8.16	5.81	4.66
pH (-)	--	--	7.63	5.48	6.53	6.26	5.79	6.37	6.04	7.56

Table 4-2
Building 775 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	Effluent							
Sample ID			**775EF0101OA**	**775EF0101OA**						
Date of Collection			**12/19/2012**	**3/11/2013**						
Sample Depth (ft TOIC)			**0**	**0**						
Dilution Factor (-)			**1**	**1**						
VOCs (µg/L)										
1,1,1-trichloroethane	5*	1.0	0.560 F	0.350 F						
1,1-dichloroethane	5*	1.0	U	U						
1,1-dichloroethene	5*	1.0	U	U						
1,2,3-trichlorobenzene	5*	1.0	U	U						
1,2,4-trichlorobenzene	5*	1.0	U	U						
1,2-dichloroethane	0.6	0.5	U	U						
acetone	50	10	U	2.05 FB						
Chlorobenzene	5*	0.5	U	U						
chloroform	7	0.3	0.760	0.600						
cis-1,2-dichloroethene (DCE)	5*	--	U	U						
Methylene chloride	5*	1.0	U	U						
tetrachloroethene (PCE)	5*	1.0	U	U						
trichloroethene (TCE)	5*	1.0	48.8	36.8						
trichlorofluoromethane	5*	1.0	U	U						
total VOCs	-	--	50.12	39.8						
Field Parameters										
ORP (mV)	--	--	324	-18						
oxygen (mg/L)	--	--	11.04	0.38						
pH (-)	--	--	6.15	8.84						

Notes:
BGS - Below Ground Surface.
DOC - Dissolved Organic Carbon.
F - Analyte was positively identified above the Method Detection Limit (=MDL), but the concentration is below the Reporting Limit (=RL).
M- Matrix effect is present.
NA - Not Analyzed.
NS - Not Sampled.
ORP - Oxygen Reduction Potential.
TOIC - Top of inside casing.
U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.
- Exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 ug/L applies to this COC.
- - No NYS Groundwater Standard or Reporting Limit available.
J - The quantification is estimated due to the inability to meet certain QA/QC criteria.
B- The result for the analyte was detected in a blank sample.

Table 4-3
Building 775 Groundwater Extraction and Discharge System Flow Table

Date	Cumulative Volume (gallons)	Average Pump Rate (gpm)
1/1/09	0	0
1/5/09	822	0
1/6/09	4,792	3.0
1/7/09	9,071	2.9
1/9/09	13,309	1.5
1/12/09	29,660	3.7
1/14/09	39,430	3.6
1/16/09	49,540	3.5
1/19/09	64,388	3.5
1/21/09	74,026	3.4
1/23/09	85,375	3.9
1/26/09	101,251	3.6
1/28/09	111,098	3.7
1/30/09	121,740	3.2
2/2/09	135,600	3.4
2/9/09	169,466	3.3
3/2/09	231,105	2.1
3/4/09	241,944	3.4
3/9/09	265,500	3.4
3/13/09	280,281	2.5
3/23/09	337,512	4.0
3/30/09	376,849	3.9
4/2/09	393,359	3.9
4/6/09	416,316	3.9
4/13/09	455,379	4.0
4/23/09	513,204	3.9
4/28/09	540,644	3.6
5/8/09	597,671	4.0
5/13/09	626,348	4.4
5/29/09	718,194	4.0
6/5/09	759,102	4.0
6/18/09	832,287	4.0
6/30/09	901,587	4.0
7/6/09	936,052	3.9
7/15/09	986,988	4.0
7/23/09	1,031,656	3.9
8/7/09	1,115,608	3.9
8/12/09	1,143,150	3.8
8/20/09	1,185,751	3.8

Date	Cumulative Volume (gallons)	Average Pump Rate (gpm)
9/3/09	1,257,404	3.6
10/1/09	1,395,390	3.4
10/19/09	1,480,018	3.2
11/2/09	1,544,970	3.2
11/18/09	1,618,922	3.2
12/3/09	1,683,202	3.0
12/8/09	1,704,156	2.8
12/22/09	1,766,638	3.1
1/4/10	1,814,833	2.6
1/18/10	1,871,630	2.8
1/21/10	1,883,388	2.8
2/2/10	1,933,075	2.9
2/12/10	1,974,436	2.9
2/26/10	2,031,918	2.8
3/31/10	2,165,046	2.8
7/1/10	2,534,520	2.8
8/24/10	2,737,660	2.6
10/1/2010	2,868,734	2.4
10/29/10	2,971,160	2.5
11/19/10	3,044,469	2.4
1/7/11	3,226,266	2.6
2/11/11	3,351,407	2.5
3/2/11	3,420,403	2.5
3/18/11	3,475,808	2.4
3/31/11	3,527,519	2.7
5/23/11	3,766,542	3.1
6/10/11	3,855,391	3.5
7/21/11	4,064,912	3.5
10/3/11	4,454,970	3.7
10/14/11	4,528,862	4.7
10/31/11	4,603,490	3.0
11/14/11	4,677,128	3.7
11/28/11	4,750,664	3.6
12/13/11	4,827,890	3.6
12/27/11	4,898,620	3.6
1/10/12	4,969,721	3.5
1/23/12	5,035,883	3.5
2/15/12	5,151,674	3.5
3/15/12	5,246,248	2.3
4/3/12	5,392,183	5.4
5/10/12	5,575,932	3.4
5/22/12	5,635,322	3.4

Date	Cumulative Volume (gallons)	Average Pump Rate (gpm)
6/8/12	5,719,699	3.5
6/29/12	5,821,060	3.4
8/17/12	6,018,118	2.8
9/13/12	6,140,895	3.2
9/27/12	6,198,491	2.9
10/15/12	6,276,087	3.0
11/2/12	6,352,869	2.9
11/15/12	6,406,348	2.9
12/6/12	6,483,699	2.6
1/4/13	6,588,693	2.5
1/23/13	6,658,432	2.5
2/7/13	6,711,192	2.5
4/1/13	6,897,620	2.4
4/18/13	6,956,965	2.4
5/2/13	7,007,637	2.5

Table 5-1
Apron 2 Performance Monitoring Sample Analysis Summary

	Screen Depth	Current[1] Frequency of Sampling		Proposed[2] Frequency of Sampling	Rationale				Current[1] Analytical Parameters				Proposed[2] Analytical Parameters		Field Parameters							
Well ID	(ft msl)	Semi-Annual	Annual	Annual	Source Area	Upgradient	Crossgradient	Downgradient	VOCs - SW8260B	Nitrate, Chloride, Sulfate -SW9056	DOC - SM5310B	Total Alkalinity - SM2320B	VOCs - SW8260B	DOC - SM5310B	Water Levels	ORP	Oxygen	pH	Temperature	Conductivity	Turbidity	Ferrous Iron
AP2MW-3	432.41 - 446.97		X	X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-76	434.86 - 444.86	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-78	436.26 - 446.26	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-81	427.71 - 437.71	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-84	431.90 - 441.90	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-84D	419.57 - 434.57		X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-93 [3]	437.79 - 447.79	-		-				X														
782VMW-96	434.13 - 444.13	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-98 [3]	442.06 - 452.06	-		-		X																
782VMW-100	432.10- 447.10	X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-101	429.11 - 444.11	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-105B	435.37 -450.37	X		X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X
782MW-10	443.79 -458.79	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-121	433.06 - 448.06	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
782VMW-121D	427.81 - 437.81	X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Surface Water																						
782SW-115	--	X		X					X				X		X	X	X	X	X	X	X	X
782SW-118	--	X		X					X				X		X	X	X	X	X	X	X	X
782SW-119	--	X		X					X				X		X	X	X	X	X	X	X	X
							Totals*:		16	13	13	13	16	13	16	16	16	16	16	16	16	16

Notes:
DOC = dissolved organic carbon
MSL = mean sea level
VOCs = volatile organic compounds
1 = Pre 2013 sampling
2 = 2014 and later sampling, starting in September 2014
3 = MWs are not sampled due to upgradient status or damage beyond repair.
* = The Totals number does not include QA/QC samples. Please refer to FSP for details concerning the number of QA/QC samples and their locations. At least one MS/MSD and two field duplicates will be collected per SDG; one equipment blank per day and one ambient blank per day; one trip blank per cooler containing VOCs.

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-76							
Sample ID			**782VM7638AA**	**782VM7638AB**	**782VM7638BB**	**782VM7638CA**	**782VM7638DA**	**782VM7638EB**	**782VM7638FB**	**782VM7638GA**
Date of Collection			**11/15/2006**	**9/24/2008**	**12/31/2008**	**4/15/2009**	**6/16/2009**	**9/21/2009**	**4/19/2010**	**9/28/2010**
Sample Depth (ft TOIC)			**38**	**38**	**38**	**38**	**38**	**38**	**38**	**38**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	1.74 F	2.07 F	U	1.91 F	U	1.58 F
benzene	1	0.4	0.110 F	U	U	U	0.160 F	0.160 F	0.160 F	0.150 F
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	0.990 F	0.630 F	U	0.670 F	1.02	0.910 F	0.990 F	0.960 F
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	4.56 F	3.42 F	U	4.75 F	5.14	5.67	4.66 F	3.88 F
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	0.420 F	0.340 F	U	0.250 F	0.630 F	0.550 F	0.500 F	0.540 F
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	10.3	7.54	U	7.73	15.1	13.0	10.0	10.6
total VOCs	-	-	11.71	11.89	U	15.47	22.05	22.2	16.31	17.71
Wet Chemistry										
DOC (mg/L)	-	1	1.6	4.6	7.4	5.5	2.3	2.7	3.0	2.2
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	290	250	130	340	330	330	310	300
chloride (mg/L)	250	1	44	43	5.7	53	47	47	37	35
nitrate (mg/L)	10	1	0.044 F	U	4	U	U	0.037 F	0.044 F	U
sulfate (mg/L)	250	1	1.1	7.0	63.0	2.0	U	U	U	U
Field Parameters										
ORP (mV)	-	-	-76	-118	256	-110	-100	-72	-101	-58
oxygen (mg/L)	-	-	8.04	1.54	3.96	2.80	7.17	7.24	6.75	0.00
pH (-)	-	-	6.52	7.00	6.95	6.61	7.06	6.69	7.18	6.00
ferrous iron (mg/L)	-	-	0.0	2.0	NS	2.2	4.0	2.0	1.6	4.0

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-76							
Sample ID			**782VM7638HA**	**782VM7638IA**	**782VM7638JA**	**782VM7638KA**	**782VM7638LA**			
Date of Collection			**4/5/2011**	**9/14/2011**	**4/11/2012**	**9/25/2012**	**3/13/2013**			
Sample Depth (ft TOIC)			**38**	**38**	**38**	**38**	**38**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,2-dichlorobenzene	3	1.0	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U			
4-Chlorotoluene	5*	1.0	U	U	U	U	U			
acetone	50	10	1.93 FB	U	U	U	7.29 FB			
benzene	1	0.4	0.130 F	0.730	0.230 F	2.23	0.290 F			
Bromomethane	5*	3.0	U	U	U	U	U			
2-butanone	50	10	U	2.29 F	U	U	U			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
chloromethane	--	1.0	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	0.970 F	0.990 F	0.870 F	0.740 F	0.830 F			
ethylbenzene	5*	1.0	U	U	U	U	U			
isopropylbenzene	5*	1.0	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	4.12 F	4.75 F	4.45 F	3.91 F	4.39 F			
methylene chloride	5*	1.0	U	U	U	U	U			
n-butylbenzene	5*	1.0	U	U	U	U	U			
n-propylbenzene	5*	1.0	U	U	U	U	U			
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U			
naphthalene	10	1.0	U	U	U	U	U			
o-xylene	5*	1.0	U	U	U	U	U			
p-isopropyltoluene	5*	1.0	U	U	U	U	U			
sec-butylbenzene	5*	1.0	U	U	U	U	U			
t-butylbenzene	5*	1.0	U	U	U	U	U			
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	0.440 F	0.550 F	0.560 F	0.510 F	0.590 F			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
vinyl chloride	2	1.0	8.05	9.56	9.56	9.54	12.8			
total VOCs	-	-	15.64	18.87	15.67	16.93	26.19			
Wet Chemistry										
DOC (mg/L)	-	1	4.2	2.5	2.9	1.8	1.8			
TOC (mg/L)	-	1	NS	NS	NS	NS	NS			
alkalinity (mg/L)	-	10	270	310	350	320	330			
chloride (mg/L)	250	1	31	30	32	35	27			
nitrate (mg/L)	10	1	U	U	U	U	U			
sulfate (mg/L)	250	1	U	8.0	U	1.3	U			
Field Parameters										
ORP (mV)	-	-	-56	-263	-184	-100	-229			
oxygen (mg/L)	-	-	0.00	0.00	0.00	0.67	0.00			
pH (-)	-	-	7.42	8.26	7.19	7.63	7.59			
ferrous iron (mg/L)	-	-	1.6	1.6	3.0	3.6	6.5			

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-78							
Sample ID			**782VM7840AA**	**782VM7840AB**	**782VM7840BB**	**782VM7840CA**	**782VM7840DA**	**782VM7840EB**	**782VM7840FB**	**782VM7840GA**
Date of Collection			**11/14/2006**	**9/25/2008**	**12/31/2008**	**3/26/2009**	**6/16/2009**	**9/21/2009**	**4/19/2010**	**9/28/2010**
Sample Depth (ft TOIC)			**40**	**40**	**40**	**40**	**40**	**40**	**40**	**40**
Dilution Factor (-)			**1**	**2**	**2**	**2**	**2**	**2**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	0.190 F♦	0.200 F	U	U	U	U	0.150 F	0.190 F
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	1.06 F
benzene	1	0.4	0.230 F	0.260 F	U	U	U	0.240 F	0.270 F	0.290 F
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	38.1 ♦	42.0	42.8	39.6	45.9	46.3	43.4 J	46.0
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	4.04	4.37	3.66	3.48	3.84	4.04	4.31	4.22
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	14.0	16.0	10.6	6.50	6.78	10.5	9.42	7.60
total VOCs	-	-	56.14	62.83	57.06	49.58	56.52	61.08	57.55	59.36
Wet Chemistry										
DOC (mg/L)	-	1	1.6	1.7	1.9	2.0 B	2.5	1.8	2.2	1.9
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	270	260	250	250	240	240	230	230
chloride (mg/L)	250	1	170	24	28	27	25	19	22	20
nitrate (mg/L)	10	1	0.027 F ♦	U	U	0.024 F	U	0.015 F	U	U
sulfate (mg/L)	250	1	12	8.2	7.9	7.7	7.4	6.5	7	6.7
Field Parameters										
ORP (mV)	-	-	-125	-144	-56	-47	-80	-77	-104	-138
oxygen (mg/L)	-	-	0.00	1.63	1.39	0.00	2.05	6.35	7.49	5.00
pH (-)	-	-	6.93	7.02	5.91	6.40	7.45	6.86	7.52	7.75
ferrous iron (mg/L)	-	-	2.4	1.8	NS	1.0	1.2	1.8	1.2	1.0

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-78							
Sample ID			**782VM7840HA**	**782VMW7840IA**	**782VMW7840JA**	**782VMW7840KA**	**782VM7840LA**			
Date of Collection			**4/6/2011**	**9/13/2011**	**4/10/2012**	**9/25/2012**	**3/13/2013**			
Sample Depth (ft TOIC)			**40**	**40**	**40**	**40**	**40**			
Dilution Factor (-)			**1**	**1**	**5**	**2**	**1**			
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	0.220 F	0.140 F	0.160 F	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,2-dichlorobenzene	3	1.0	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U			
4-Chlorotoluene	5*	1.0	U	U	U	U	U			
acetone	50	10	1.69 FB	U	1.14 F	U	11.2 FB			
benzene	1	0.4	0.340 F	0.290 F	0.280 F	U	0.340 F			
Bromomethane	5*	3.0	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
chloromethane	--	1.0	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	56.9	44.8	40.9	46.7	45.7			
ethylbenzene	5*	1.0	U	U	U	U	U			
isopropylbenzene	5*	1.0	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	0.210 F	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	U	0.540 F			
n-butylbenzene	5*	1.0	U	U	U	U	U			
n-propylbenzene	5*	1.0	U	U	U	U	U			
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U			
naphthalene	10	1.0	U	U	U	U	U			
o-xylene	5*	1.0	U	U	U	U	U			
p-isopropyltoluene	5*	1.0	U	U	U	U	U			
sec-butylbenzene	5*	1.0	U	U	U	U	U			
t-butylbenzene	5*	1.0	U	U	U	U	U			
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	5.25	4.57	4.29	3.94	4.12			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
vinyl chloride	2	1.0	8.78	7.57	5.57	6.38	8.00			
total VOCs	-	-	73.39	57.37	52.34	57.02	69.9			
Wet Chemistry										
DOC (mg/L)	-	1	2.5	1.9	1.4	1.4	1.5			
TOC (mg/L)	-	1	NS	NS	NS	NS	NS			
alkalinity (mg/L)	-	10	220	230	230	230	230			
chloride (mg/L)	250	1	17	12	11	10	11			
nitrate (mg/L)	10	1	U	U	U	U	U			
sulfate (mg/L)	250	1	6.5	5.5	5.7	5.6	8.4			
Field Parameters										
ORP (mV)	-	-	-102	-161	-136	-97	-145			
oxygen (mg/L)	-	-	7.43	0.00	2.48	10.47	0.43			
pH (-)	-	-	7.8	7.43	7.13	7.65	7.65			
ferrous iron (mg/L)	-	-	1.8	1.1	1.2	1.6	1.6			

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-81							
Sample ID			**782VM8146AA**	**782VM8146AB**	**782VM8146BB**	**782VM8146CA**	**782VM8146DA**	**782VM8146EB**	**782VM8146FB**	**782VM8146GA**
Date of Collection			**11/14/2006**	**9/24/2008**	**12/30/2008**	**4/15/2009**	**6/16/2009**	**9/21/2009**	**4/15/2010**	**9/28/2010**
Sample Depth (ft TOIC)			**46**	**46**	**46**	**46**	**46**	**46**	**46**	**46**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	0.110 F	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	0.190 F	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	2.30 F
benzene	1	0.4	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	11.5	14.0	18.4	18.0	21.2	23.4	28.7	23.9
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	1.09	0.940 F	1.01	1.02	1.13	0.970 F	1.35	1.00
trichloroethene (TCE)	5*	1.0	2.7	3.49	4.81	4.89	6.72	4.82	4.42	3.85
vinyl chloride	2	1.0	8.86	5.68	6.67	3.73	4.45	4.55	4.68	4.14
total VOCs	-	-	24.15	24.11	30.89	27.64	33.8	33.74	39.15	35.19
Wet Chemistry										
DOC (mg/L)	-	1	0.58 F	1.7	0.84	0.88 F	0.65 F	1.7	1.4	1.3
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	220	220	230	200	210	210	210	220
chloride (mg/L)	250	1	48	29	26	24	21	18	20	17
nitrate (mg/L)	10	1	U	U	U	0.036 F	0.022 F	0.024 F	0.035 F	U
sulfate (mg/L)	250	1	4.7	5.0	6.3	6.7	7.2	7.3	8.5	8.5
Field Parameters										
ORP (mV)	-	-	144	-182	-101	-50	-50	-61	-83	-131
oxygen (mg/L)	-	-	1.40	1.69	0.67	2.71	2.84	6.44	0.00	4.92
pH (-)	-	-	6.94	7.61	7.81	6.38	7.56	7.22	8.00	7.81
ferrous iron (mg/L)	-	-	1.0	1.0	NS	1.0	0.1	0.8	0.4	0.8

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-81							
Sample ID			**782VM8146HA**	**782VM8146IA**	**782VM8146JA**	**782VM8146KA**	**782VM8146LA**			
Date of Collection			**4/6/2011**	**9/13/2011**	**4/10/2012**	**9/25/2012**	**3/12/2013**			
Sample Depth (ft TOIC)			**46**	**46**	**46**	**46**	**46**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	0.130 F	U	U	U	U			
1,1-dichloroethene	5*	1.0	0.190 F	U	U	U	0.170 F			
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,2-dichlorobenzene	3	1.0	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U			
4-Chlorotoluene	5*	1.0	U	U	U	U	U			
acetone	50	10	1.63 FB	U	U	U	4.54 FB			
benzene	1	0.4	U	U	U	U	U			
Bromomethane	5*	3.0	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
chloromethane	--	1.0	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	32.4	26.8	26.3	25.5	26.6			
ethylbenzene	5*	1.0	U	U	U	U	U			
isopropylbenzene	5*	1.0	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	U	U			
n-butylbenzene	5*	1.0	U	U	U	U	U			
n-propylbenzene	5*	1.0	U	U	U	U	U			
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U			
naphthalene	10	1.0	U	U	U	U	U			
o-xylene	5*	1.0	U	U	U	U	U			
p-isopropyltoluene	5*	1.0	U	U	U	U	U			
sec-butylbenzene	5*	1.0	U	U	U	U	U			
t-butylbenzene	5*	1.0	U	U	U	U	U			
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	1.29	1.06	1.14	1.00	1.16			
trichloroethene (TCE)	5*	1.0	5.67	5.64	3.77	3.41	4.12			
vinyl chloride	2	1.0	5.35	3.12	3.09	2.61	4.07			
total VOCs	-	-	46.66	36.62	34.3	32.52	40.66			
Wet Chemistry										
DOC (mg/L)	-	1	1.4	1.1	0.68 F	0.72 F	0.83 F			
TOC (mg/L)	-	1	NS	NS	NS	NS	NS			
alkalinity (mg/L)	-	10	220	230	230	220	210			
chloride (mg/L)	250	1	16	16	16	16	13			
nitrate (mg/L)	10	1	U	U	U	U	U			
sulfate (mg/L)	250	1	7.7	7.1	5.9	6.0	8.3			
Field Parameters										
ORP (mV)	-	-	-95	-141	-144	-50	-77			
oxygen (mg/L)	-	-	8.32	0.00	1.52	2.01	0.00			
pH (-)	-	-	7.8	7.55	7.13	7.94	7.36			
ferrous iron (mg/L)	-	-	0.8	0.5	0.6	0.6	0.5			

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-84							
Sample ID			**782VM8440AA**	**782VM8440AB**	**782VM8440BB**	**782VM8440CA**	**782VM8440DA**	**782VM8440EB**	**782VM8440FB**	**782VM8440GA**
Date of Collection			**11/15/2006**	**9/26/2008**	**12/31/2008**	**3/26/2009**	**6/17/2009**	**9/23/2009**	**4/19/2010**	**9/29/2010**
Sample Depth (ft TOIC)			**40**	**40**	**40**	**40**	**40**	**40**	**40**	**40**
Dilution Factor (-)			**2**	**2**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	0.130 F	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U
benzene	1	0.4	U	U	U	0.130 F	0.140 F	U	0.130 F	0.120 F
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	0.460 F	0.420 F	U	0.460 F	0.560 F	0.500 F	0.560 F	0.410 F
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	3.00 F	3.20 F	U	3.06 F	3.24 F	2.54 F	2.70 F	1.30 F
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	0.180 F	0.210 F	U	0.170 F	0.160 F
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	31.7	32.3	U	39.8	42.2	39.4	39.5	37.3
total VOCs	-	-	31.7	35.92	0	43.63	46.48	42.44	43.06	39.29
Wet Chemistry										
DOC (mg/L)	-	1	5.0	5.8	0.64 F	5.6	5.3	4.9	5.2	4.4
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	340	340	20	330	330	320	310	290
chloride (mg/L)	250	1	48	68	0.48 F	45	39	38	35	27
nitrate (mg/L)	10	1	0.046 F	U	0.19	U	0.014 F	0.020 F	0.039 F	U
sulfate (mg/L)	250	1	2.7	45	0.76 F	3.2	4.1	2.9	1.6	U
Field Parameters										
ORP (mV)	-	-	-99	-113	136	-97	-126	-103	-114	-71
oxygen (mg/L)	-	-	1.12	0.62	9.84	0.00	0.00	4.11	0.00	0.00
pH (-)	-	-	6.87	6.34	6.36	6.00	6.49	6.51	6.91	6.21
ferrous iron (mg/L)	-	-	3.0	3.4	NS	2.0	4.8	5.5	4.2	4.6

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-84							
Sample ID			**782VM8440HA**	**782VM8440IA**	**782VM8440JA**	**782VM8440KA**	**782VM8440LA**			
Date of Collection			**4/5/2011**	**9/13/2011**	**4/11/2012**	**9/25/2012**	**3/13/2013**			
Sample Depth (ft TOIC)			**40**	**40**	**40**	**40**	**40**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	0.130 F	U	0.110 F	0.110 F	0.150 F			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,2-dichlorobenzene	3	1.0	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U			
4-Chlorotoluene	5*	1.0	U	U	U	U	U			
acetone	50	10	2.03 FB	U	U	U	9.87 FB			
benzene	1	0.4	0.150 F	0.180 F	0.240 F	0.260 F	0.420 F			
Bromomethane	5*	3.0	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
chloromethane	--	1.0	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	0.730 F	0.580 F	0.610 F	0.820 F	0.750 F			
ethylbenzene	5*	1.0	U	U	U	U	U			
isopropylbenzene	5*	1.0	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	2.58 F	1.90 F	1.72 F	1.03 F	1.88 F			
methylene chloride	5*	1.0	U	U	U	U	U			
n-butylbenzene	5*	1.0	U	U	U	U	U			
n-propylbenzene	5*	1.0	U	U	U	U	U			
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U			
naphthalene	10	1.0	U	U	U	U	U			
o-xylene	5*	1.0	U	U	U	U	U			
p-isopropyltoluene	5*	1.0	U	U	U	U	U			
sec-butylbenzene	5*	1.0	U	U	U	U	U			
t-butylbenzene	5*	1.0	U	U	U	U	U			
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	0.200 F	0.160 F	0.160 F	0.190 F	0.220 F			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
vinyl chloride	2	1.0	44.6	32.9	33.0	35.8	46.5			
total VOCs	-	-	50.42	35.72	35.84	38.21	59.79			
Wet Chemistry										
DOC (mg/L)	-	1	4.8	4.6	4.7	3.8	4.1			
TOC (mg/L)	-	1	NS	NS	NS	NS	NS			
alkalinity (mg/L)	-	10	290	290	300	280	300			
chloride (mg/L)	250	1	35	27	25	23	24			
nitrate (mg/L)	10	1	U	U	U	U	U			
sulfate (mg/L)	250	1	0.73 F	U	U	U	0.71 F			
Field Parameters										
ORP (mV)	-	-	-127	-154	-158	-129	-138			
oxygen (mg/L)	-	-	0.00	7.58	0.00	0.00	0.00			
pH (-)	-	-	6.86	6.91	6.78	6.95	6.90			
ferrous iron (mg/L)	-	-	4.2	NS	3.0	3.0	3.4			

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-84D							
Sample ID			**782VM84D50AB**	**782VM8440BB**	**782VM84D50CA**	**782VM84D50DA**	**782VM84D50EB**	**782VM84D50FB**	**782VM84D50GA**	
Date of Collection			**9/26/2008**	**12/31/2008**	**3/25/2009**	**6/17/2009**	**9/23/2009**	**4/19/2010**	**9/28/2010**	
Sample Depth (ft TOIC)			**50**	**40**	**50**	**50**	**50**	**50**	**50**	
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U	U	U	Monitoring well not sampled, annual sampling frequency.
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	
acetone	50	10	U	2.34 F	2.74 F	1.25 F	2.85 F	2.41 F	1.33 F	
benzene	1	0.4	U	U	U	U	U	U	0.180 F	
Bromomethane	5*	3.0	U	U	U	U	U	U	U	
2-butanone	50	10	U	U	U	U	U	U	U	
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	
chloroform	7	0.3	U	U	U	U	U	U	U	
chloromethane	--	1.0	U	U	U	U	U	U	U	
cis-1,2-dichloroethene	5*	1.0	0.340 F	U	U	U	0.110 F	0.140 F	0.350 F	
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	
methyl tert-butyl ether	10	5.0	4.36 F	U	1.94 F	U	1.43 F	1.51 F	2.60 F	
methylene chloride	5*	1.0	U	U	U	U	U	U	U	
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	
naphthalene	10	1.0	U	U	U	U	U	U	U	
o-xylene	5*	1.0	U	U	U	U	U	U	U	
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	
toluene	5*	1.0	U	U	U	U	U	U	U	
trans-1,2-dichloroethene	5*	1.0	0.180 F	U	U	U	U	U	0.210 F	
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	
vinyl chloride	2	1.0	29.7	U	8.83	1.18	12.8	10.9	28.7	
total VOCs	-	-	34.58	2.34	13.51	2.43	17.19	14.96	33.37	
Wet Chemistry										
DOC (mg/L)	-	1	6.0	1.4	4.4	2.8	4.2	3.9	4.8	
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	
alkalinity (mg/L)	-	10	350	260	72	48	170	180	310	
chloride (mg/L)	250	1	50	1.5	20	1.4	18	19	96	
nitrate (mg/L)	10	1	U	0.14	0.14	0.016 F	0.063 F	0.18	U	
sulfate (mg/L)	250	1	7.4	5.4	6.5	14	7.8	4.2	2.0	
Field Parameters										
ORP (mV)	-	-	-114	-33	40	-3	-61	-74	-48	
oxygen (mg/L)	-	-	0.51	8.22	0.20	0.66	5.43	0.84	0.00	
pH (-)	-	-	6.50	9.30	10.79	11.14	7.21	7.26	6.77	
ferrous iron (mg/L)	-	-	3.6	NS	0.0	0.0	1.2	0.0	3.6	

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-84D							
Sample ID			**782VM84D50IA**	**782VM84D50KA**						
Date of Collection			**9/14/2011**	**9/25/2012**						
Sample Depth (ft TOIC)			**50**	**50**						
Dilution Factor (-)			**1**	**1**						
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	0.120 F						
1,1-dichloroethene	5*	1.0	U	U						
1,2,4-trimethylbenzene	5*	1.0	U	U						
1,2-dichlorobenzene	3	1.0	U	U						
1,3,5-trimethylbenzene	5*	1.0	U	U						
1,4-Dichlorobenzene	3	0.5	U	U						
4-Chlorotoluene	5*	1.0	U	U						
acetone	50	10	U	U						
benzene	1	0.4	0.280 F	0.310 F						
Bromomethane	5*	3.0	U	U						
2-butanone	50	10	U	U						
chlorobenzene	5*	0.5	U	U						
chloroform	7	0.3	U	U						
chloromethane	--	1.0	U	U						
cis-1,2-dichloroethene	5*	1.0	0.330 F	0.420 F						
ethylbenzene	5*	1.0	U	U						
isopropylbenzene	5*	1.0	U	U						
methyl tert-butyl ether	10	5.0	2.29 F	1.88 F						
methylene chloride	5*	1.0	U	U						
n-butylbenzene	5*	1.0	U	U						
n-propylbenzene	5*	1.0	U	U						
m,p,-xylene (sum of isomers)	5*	2.0	U	U						
naphthalene	10	1.0	U	U						
o-xylene	5*	1.0	U	U						
p-isopropyltoluene	5*	1.0	U	U						
sec-butylbenzene	5*	1.0	U	U						
t-butylbenzene	5*	1.0	U	U						
tetrachloroethene (PCE)	5*	1.0	U	U						
toluene	5*	1.0	U	U						
trans-1,2-dichloroethene	5*	1.0	0.170 F	0.200 F						
trichloroethene (TCE)	5*	1.0	U	U						
vinyl chloride	2	1.0	22.9	24.6						
total VOCs	-	-	25.97	27.53						
Wet Chemistry										
DOC (mg/L)	-	1	4.8	4.2						
TOC (mg/L)	-	1	NS	NS						
alkalinity (mg/L)	-	10	290	310						
chloride (mg/L)	250	1	150	27						
nitrate (mg/L)	10	1	U	U						
sulfate (mg/L)	250	1	U	1.2						
Field Parameters										
ORP (mV)	-	-	-146	-99						
oxygen (mg/L)	-	-	0.00	0.00						
pH (-)	-	-	7.03	6.94						
ferrous iron (mg/L)	-	-	3.6	3.0						

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-93								
Sample ID			**782VM9335AA**	**782VM9335AB**		**782VM9335CA**	**782VM9335DA**	**782VM9335EB**	**782VM9335FB**	**782VM9335GA**
Date of Collection			**11/15/2006**	**9/26/2008**		**4/15/2009**	**6/16/2009**	**9/23/2009**	**4/19/2010**	**9/28/2010**
Sample Depth (ft TOIC)			**35**	**35**		**35**	**35**	**35**	**35**	**35**
Dilution Factor (-)			**2**	**50**		**50**	**50**	**50**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	This monitoring well could not be sampled due to the large amount of run-off from the landfarm containing petroleum contaminated soils on Apron 2. This is contaminating the well with silt and petroleum constituents.	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U		U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U		U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U		U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U		U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U		U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U		U	U	U	U	U
acetone	50	10	U	176		1.94 F	U	U	U	U
benzene	1	0.4	U	U		U	U	U	U	U
Bromomethane	5*	3.0	U	U		U	U	U	U	U
2-butanone	50	10	U	90.0 J		U	U	U	U	U
chlorobenzene	5*	0.5	U	U		U	U	U	U	U
chloroform	7	0.3	U	U		0.280 F	U	U	U	U
chloromethane	--	1.0	U	U		U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U		U	U	U	0.590 F	U
ethylbenzene	5*	1.0	U	4.49		U	U	U	U	U
isopropylbenzene	5*	1.0	U	U		U	U	U	U	U
methyl tert-butyl ether	10	5.0	8.04 F	4.47 F		7.40	10.9	9.40 F	U	7.51
methylene chloride	5*	1.0	U	U		U	U	U	U	U
n-butylbenzene	5*	1.0	U	U		U	U	U	U	U
n-propylbenzene	5*	1.0	U	U		U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U		U	U	U	U	U
naphthalene	10	1.0	U	U		U	U	U	U	U
o-xylene	5*	1.0	U	U		U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U		U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U		U	U	U	U	U
t-butylbenzene	5*	1.0	U	U		U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U		U	U	U	U	U
toluene	5*	1.0	U	1150		1.78	1.70	0.800 F	U	0.390 F
trans-1,2-dichloroethene	5*	1.0	U	U		U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U		U	U	U	U	U
vinyl chloride	2	1.0	54.6	17.2		35.1	62.6	54.6	2.31	48.6
total VOCs	-	-	54.6	1442.16		46.5	75.2	64.8	2.9	56.5
Wet Chemistry										
DOC (mg/L)	-	1	2.7	120		11	2.9	3.5	1.7	3.5
TOC (mg/L)	-	1	NS	NS		NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	320	520		320	330	360	250	300
chloride (mg/L)	250	1	32	37		49	56	53	140	36
nitrate (mg/L)	10	1	0.089 F	47		0.098 F	0.046 F	0.018 F	U	U
sulfate (mg/L)	250	1	0.36 F	0.99 F		13	0.61 F	U	U	U
Field Parameters										
ORP (mV)	-	-	-20	-208		-76	-101	-104	-130	-57
oxygen (mg/L)	-	-	1.11	1.07		1.54	4.02	1.76	0.00	0.00
pH (-)	-	-	6.83	6.54		6.36	7.08	7.56	7.82	6.93
ferrous iron (mg/L)	-	-	0.2	1.6		1.0	NS	3.2	0.0	ns

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**782VMW-93**							
Sample ID			**782VM9335HA**							
Date of Collection			**4/5/2011**							
Sample Depth (ft TOIC)			**35**							
Dilution Factor (-)			**1**							
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	This monitoring well could not be not sampled. This well has been undermined during clean-up activities from the landfarm.						
1,1-dichloroethene	5*	1.0	U							
1,2,4-trimethylbenzene	5*	1.0	U							
1,2-dichlorobenzene	3	1.0	U							
1,3,5-trimethylbenzene	5*	1.0	U							
1,4-Dichlorobenzene	3	0.5	U							
4-Chlorotoluene	5*	1.0	U							
acetone	50	10	2.03 FB							
benzene	1	0.4	U							
Bromomethane	5*	3.0	U							
2-butanone	50	10	U							
chlorobenzene	5*	0.5	U							
chloroform	7	0.3	U							
chloromethane	--	1.0	U							
cis-1,2-dichloroethene	5*	1.0	U							
ethylbenzene	5*	1.0	U							
isopropylbenzene	5*	1.0	U							
methyl tert-butyl ether	10	5.0	7.26							
methylene chloride	5*	1.0	U							
n-butylbenzene	5*	1.0	U							
n-propylbenzene	5*	1.0	U							
m,p,-xylene (sum of isomers)	5*	2.0	U							
naphthalene	10	1.0	U							
o-xylene	5*	1.0	U							
p-isopropyltoluene	5*	1.0	U							
sec-butylbenzene	5*	1.0	U							
t-butylbenzene	5*	1.0	U							
tetrachloroethene (PCE)	5*	1.0	U							
toluene	5*	1.0	0.330 F							
trans-1,2-dichloroethene	5*	1.0	U							
trichloroethene (TCE)	5*	1.0	U							
vinyl chloride	2	1.0	45.9							
total VOCs	-	-	55.52							
Wet Chemistry										
DOC (mg/L)	-	1	6.0							
TOC (mg/L)	-	1	NS							
alkalinity (mg/L)	-	10	240							
chloride (mg/L)	250	1	22							
nitrate (mg/L)	10	1	0.15 F							
sulfate (mg/L)	250	1	0.80 F							
Field Parameters										
ORP (mV)	-	-	-94							
oxygen (mg/L)	-	-	0.00							
pH (-)	-	-	7.45							
ferrous iron (mg/L)	-	-	3.0							

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-96							
Sample ID			**782VM9637AA**	**782VM9637AB**	**782VM9637BB**	**782VM9637CA**	**782VM9637DA**		**782VM9637JA**	**782VM9637KA**
Date of Collection			**11/14/2006**	**9/25/2008**	**12/31/2008**	**3/26/2009**	**6/17/2009**		**4/10/2012**	**9/25/2012**
Sample Depth (ft TOIC)			**37**	**37**	**37**	**37**	**37**		**37**	**37**
Dilution Factor (-)			**2**	**2**	**2**	**2**	**2**		**5**	**2**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U	Monitoring well not sampled. This well was designated for sampling in the first year only of performance monitoring.	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U		U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U		U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U		U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U		U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U		U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U		U	U
acetone	50	10	U	U	U	U	U		U	U
benzene	1	0.4	U	U	U	U	U		U	U
Bromomethane	5*	3.0	U	U	U	U	U		U	U
2-butanone	50	10	U	U	U	U	U		U	U
chlorobenzene	5*	0.5	U	U	U	U	U		U	U
chloroform	7	0.3	U	U	U	U	U		U	U
chloromethane	--	1.0	U	U	U	U	U		U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U		U	U
ethylbenzene	5*	1.0	U	U	U	U	U		U	U
isopropylbenzene	5*	1.0	U	U	U	U	U		U	U
methyl tert-butyl ether	10	5.0	7.72 F	12.7	10.5	12.3	7.28 F		10.7	8.78 F
methylene chloride	5*	1.0	U	U	U	U	U		U	U
n-butylbenzene	5*	1.0	U	U	U	U	U		U	U
n-propylbenzene	5*	1.0	U	U	U	U	U		U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U		U	U
naphthalene	10	1.0	U	U	U	U	U		U	U
o-xylene	5*	1.0	U	U	U	U	U		U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U		U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U		U	U
t-butylbenzene	5*	1.0	U	U	U	U	U		U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U		U	U
toluene	5*	1.0	U	U	U	U	U		U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U		U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U		U	U
vinyl chloride	2	1.0	68.2	49.6	50.9	46.6	28.3		45.8	44.9
total VOCs	-	-	68.2	62.3	61.4	58.9	35.58		56.5	53.68
Wet Chemistry										
DOC (mg/L)	-	1	2.5	2.3	2.6	3.4	2.6		2.7	2.4
TOC (mg/L)	-	1	NS	NS	NS	NS	NS		NS	NS
alkalinity (mg/L)	-	10	320	320	310	330	320		330	310
chloride (mg/L)	250	1	54	42	44	46	44		56	54
nitrate (mg/L)	10	1	0.035 F	0.041 F	0.068	U	0.023 F		U	U
sulfate (mg/L)	250	1	0.17 F	U	0.2	U	0.11 F		U	U
Field Parameters										
ORP (mV)	-	-	124	-129	-69	-68	-127		-158	-78
oxygen (mg/L)	-	-	3.39	4.23	0.90	0.00	0.00		3.29	0.00
pH (-)	-	-	7.28	6.98	6.60	6.12	6.06		6.89	7.51
ferrous iron (mg/L)	-	-	1.5	1.8	NS	1.2	3.2		1.0	2.6

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**								
Sample ID			**782VM9637LA**							
Date of Collection			**3/13/2013**							
Sample Depth (ft TOIC)			**37**							
Dilution Factor (-)			**1**							
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U							
1,1-dichloroethene	5*	1.0	U							
1,2,4-trimethylbenzene	5*	1.0	U							
1,2-dichlorobenzene	3	1.0	U							
1,3,5-trimethylbenzene	5*	1.0	U							
1,4-Dichlorobenzene	3	0.5	U							
4-Chlorotoluene	5*	1.0	U							
acetone	50	10	8.76 FB							
benzene	1	0.4	U							
Bromomethane	5*	3.0	U							
2-butanone	50	10	U							
chlorobenzene	5*	0.5	U							
chloroform	7	0.3	U							
chloromethane	--	1.0	U							
cis-1,2-dichloroethene	5*	1.0	U							
ethylbenzene	5*	1.0	U							
isopropylbenzene	5*	1.0	U							
methyl tert-butyl ether	10	5.0	11.2							
methylene chloride	5*	1.0	0.700 F							
n-butylbenzene	5*	1.0	U							
n-propylbenzene	5*	1.0	U							
m,p,-xylene (sum of isomers)	5*	2.0	U							
naphthalene	10	1.0	U							
o-xylene	5*	1.0	U							
p-isopropyltoluene	5*	1.0	U							
sec-butylbenzene	5*	1.0	U							
t-butylbenzene	5*	1.0	U							
tetrachloroethene (PCE)	5*	1.0	U							
toluene	5*	1.0	U							
trans-1,2-dichloroethene	5*	1.0	U							
trichloroethene (TCE)	5*	1.0	U							
vinyl chloride	2	1.0	63.7							
total VOCs	-	-	84.36							
Wet Chemistry										
DOC (mg/L)	-	1	2.7							
TOC (mg/L)	-	1	NS							
alkalinity (mg/L)	-	10	300							
chloride (mg/L)	250	1	63							
nitrate (mg/L)	10	1	U							
sulfate (mg/L)	250	1	U							
Field Parameters										
ORP (mV)	-	-	-101							
oxygen (mg/L)	-	-	0.00							
pH (-)	-	-	6.99							
ferrous iron (mg/L)	-	-	3.2							

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**782VMW-98**							
Sample ID			**782VM9829AA**	**782VM9832AB**						
Date of Collection			**11/14/2006**	**9/24/2008**						
Sample Depth (ft TOIC)			**29**	**32**						
Dilution Factor (-)			**1**	**1**						
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	Monitoring well not sampled. This well was designated for one time only sampling in the first round of performance monitoring.					
1,1-dichloroethene	5*	1.0	U	U						
1,2,4-trimethylbenzene	5*	1.0	U	U						
1,2-dichlorobenzene	3	1.0	U	U						
1,3,5-trimethylbenzene	5*	1.0	U	U						
1,4-Dichlorobenzene	3	0.5	U	U						
4-Chlorotoluene	5*	1.0	U	U						
acetone	50	10	U	U						
benzene	1	0.4	U	U						
Bromomethane	5*	3.0	U	U						
2-butanone	50	10	U	U						
chlorobenzene	5*	0.5	U	U						
chloroform	7	0.3	U	U						
chloromethane	--	1.0	U	U						
cis-1,2-dichloroethene	5*	1.0	U	U						
ethylbenzene	5*	1.0	U	U						
isopropylbenzene	5*	1.0	U	U						
methyl tert-butyl ether	10	5.0	U	U						
methylene chloride	5*	1.0	U	U						
n-butylbenzene	5*	1.0	U	U						
n-propylbenzene	5*	1.0	U	U						
m,p,-xylene (sum of isomers)	5*	2.0	U	U						
naphthalene	10	1.0	U	U						
o-xylene	5*	1.0	U	U						
p-isopropyltoluene	5*	1.0	U	U						
sec-butylbenzene	5*	1.0	U	U						
t-butylbenzene	5*	1.0	U	U						
tetrachloroethene (PCE)	5*	1.0	U	U						
toluene	5*	1.0	U	U						
trans-1,2-dichloroethene	5*	1.0	U	U						
trichloroethene (TCE)	5*	1.0	U	U						
vinyl chloride	2	1.0	U	U						
total VOCs	-	-	0	0						
Wet Chemistry										
DOC (mg/L)	-	1	0.26 F	0.56 F						
TOC (mg/L)	-	1	NS	NS						
alkalinity (mg/L)	-	10	200	190						
chloride (mg/L)	250	1	4.0	11						
nitrate (mg/L)	10	1	0.33 F	0.44						
sulfate (mg/L)	250	1	5.1	6.6						
Field Parameters										
ORP (mV)	-	-	161	65						
oxygen (mg/L)	-	-	5.32	5.48						
pH (-)	-	-	6.55	7.21						
ferrous iron (mg/L)	-	-	0.0	0.0						

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-100							
Sample ID			**782VM10025AB**	**782VM10025BB**	**782VM10025CA**	**782VM10025DA**	**782VM10025EB**	**782VM10025FB**	**782VM10025GA**	**782VM10025HA**
Date of Collection			**9/26/2008**	**12/31/2008**	**3/25/2009**	**6/17/2009**	**9/21/2009**	**4/15/2010**	**9/28/2010**	**4/7/2011**
Sample Depth (ft TOIC)			**25**	**25**	**25**	**25**	**25**	**25**	**25**	**25**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	1.20 F	U	3.68 F	1.19 F	3.36 F	2.95 FB
benzene	1	0.4	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	-	0	0	1.2	0	3.68	1.19	3.36	2.95
Wet Chemistry										
DOC (mg/L)	-	1	4.2	4	2.5 B	3.7	4.6	4.2	3.5	3.0
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	280	180	150	230	300	190	300	150
chloride (mg/L)	250	1	5.2	3.4	2.2	1.5	1.8	3.5	3.5	2.3
nitrate (mg/L)	10	1	1.8	U	U	U	0.015 F	U	U	U
sulfate (mg/L)	250	1	11	16	15	6.1	16	7.4	10	21
Field Parameters										
ORP (mV)	-	-	38	-16	0	-51	-102	-78	-57	-32
oxygen (mg/L)	-	-	1.43	2.19	0.00	0.00	1.61	0.00	5.01	0.00
pH (-)	-	-	6.35	8.15	6.92	7.18	7.62	7.52	7.51	7.53
ferrous iron (mg/L)	-	-	0.2	NS	0.6	0.8	1.6	0.8	1.8	0.6

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-100							
Sample ID			**782VM10025IA**	**782VM10025JA**	**782VM10025KA**	**782VM10025LA**				
Date of Collection			**9/14/2011**	**4/10/2012**	**9/25/2012**	**3/12/2013**				
Sample Depth (ft TOIC)			**25**	**25**	**25**	**25**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U				
1,2-dichlorobenzene	3	1.0	U	U	U	U				
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U				
1,4-Dichlorobenzene	3	0.5	U	U	U	U				
4-Chlorotoluene	5*	1.0	U	U	U	U				
acetone	50	10	U	U	1.57 F	5.9 FB				
benzene	1	0.4	U	U	U	U				
Bromomethane	5*	3.0	U	U	U	U				
2-butanone	50	10	U	U	U	U				
chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	U	U	U	U				
chloromethane	--	1.0	U	U	U	U				
cis-1,2-dichloroethene	5*	1.0	U	U	U	U				
ethylbenzene	5*	1.0	U	U	U	U				
isopropylbenzene	5*	1.0	U	U	U	U				
methyl tert-butyl ether	10	5.0	U	U	U	U				
methylene chloride	5*	1.0	U	U	U	U				
n-butylbenzene	5*	1.0	U	U	U	U				
n-propylbenzene	5*	1.0	U	U	U	U				
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U				
naphthalene	10	1.0	U	U	U	U				
o-xylene	5*	1.0	U	U	U	U				
p-isopropyltoluene	5*	1.0	U	U	U	U				
sec-butylbenzene	5*	1.0	U	U	U	U				
t-butylbenzene	5*	1.0	U	U	U	U				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
toluene	5*	1.0	U	U	U	U				
trans-1,2-dichloroethene	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	U	U	U	U				
vinyl chloride	2	1.0	U	U	U	U				
total VOCs	-	-	0	0	1.57 F	5.9				
Wet Chemistry										
DOC (mg/L)	-	1	4.1	3.1	3.4	2.4				
TOC (mg/L)	-	1	NS	NS	NS	NS				
alkalinity (mg/L)	-	10	300	190	330	180				
chloride (mg/L)	250	1	4.5	4.0	3.9	2.0				
nitrate (mg/L)	10	1	U	U	U	U				
sulfate (mg/L)	250	1	15	11	140	33				
Field Parameters										
ORP (mV)	-	-	-52	-62	101	-62				
oxygen (mg/L)	-	-	0.00	0.00	0.00	0.00				
pH (-)	-	-	7.00	7.39	6.94	7.61				
ferrous iron (mg/L)	-	-	1.6	0.0	0.4	0.5				

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-101							
Sample ID			**782VM10118AA**	**782VM10118AB**	**782VM10118BB**	**782VM10118CA**	**782VM10118DA**	**782VM10118EB**	**782VM10118FB**	**782VM10118GA**
Date of Collection			**11/15/2006**	**9/24/2008**	**12/30/2008**	**3/26/2009**	**6/16/2009**	**9/21/2009**	**4/15/2010**	**9/28/2010**
Sample Depth (ft TOIC)			**18**	**18**	**18**	**18**	**18**	**18**	**18**	**18**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	1.96 F	U	U
benzene	1	0.4	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	0.120 F	U	U	U
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	1.87 F	7.09	6.78	6.37	5.70	6.64 ♦	9.15 ♦	5.45
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	1.88	2.02	2.09 ♦	1.85 ♦	2.69	2.38	5.27 ♦	2.93
total VOCs	-	-	3.75	9.11	8.81	8.22	8.51	10.92	14.42	8.38
Wet Chemistry										
DOC (mg/L)	-	1	2.2	4.1	3.8 ♦	3.9	3.3	3.6 ♦	4.9 ♦	2.9
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	260	310	340	320	320	320	320	270
chloride (mg/L)	250	1	4.3	21	31	25 ♦	17 ♦	28	38 ♦	27 ♦
nitrate (mg/L)	10	1	0.021 F	0.037 F	U	0.021 F ♦	U	U	U	U
sulfate (mg/L)	250	1	3.9	150	140	130	140	120	210	170
Field Parameters										
ORP (mV)	-	-	-131	-89	-49	-46	-76	-89	-99	22
oxygen (mg/L)	-	-	5.99	1.36	1.41	0.00	0.48	2.19	0.00	0.00
pH (-)	-	-	6.95	5.76	6.65	5.36	7.09	7.86	6.9	6.52
ferrous iron (mg/L)	-	-	4.2	3.8	NS	1.6	1.8	2.9	4.1	2.6

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-101							
Sample ID			**782VM10118HB**	**782VM10118IA**	**782VM10118JA**	**782VM10118KA**	**782VM10118LA**			
Date of Collection			**4/6/2011**	**9/14/2011**	**4/10/2012**	**9/26/2012**	**3/12/2013**			
Sample Depth (ft TOIC)			**18**	**18**	**18**	**18**	**18**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,2-dichlorobenzene	3	1.0	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U			
4-Chlorotoluene	5*	1.0	U	U	U	U	U			
acetone	50	10	2.68 FB	3.23 FB♦	U	U	6.76 FB♦			
benzene	1	0.4	U	U	U	U	U			
Bromomethane	5*	3.0	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
chloromethane	--	1.0	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U			
ethylbenzene	5*	1.0	U	U	U	U	U			
isopropylbenzene	5*	1.0	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	8.63 ♦	3.03 F	4.11 F♦	3.16 F♦	7.57 ♦			
methylene chloride	5*	1.0	U	U	U	0.190 F	U			
n-butylbenzene	5*	1.0	U	U	U	U	U			
n-propylbenzene	5*	1.0	U	U	U	U	U			
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U			
naphthalene	10	1.0	U	U	U	U	U			
o-xylene	5*	1.0	U	U	U	U	U			
p-isopropyltoluene	5*	1.0	U	U	U	U	U			
sec-butylbenzene	5*	1.0	U	U	U	U	U			
t-butylbenzene	5*	1.0	U	U	U	U	U			
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
vinyl chloride	2	1.0	5.77	0.810 F	1.02	0.590 F♦	5.04 ♦			
total VOCs	-	-	17.08	7.07	5.13	3.77	19.37			
Wet Chemistry										
DOC (mg/L)	-	1	4.2 J	2.2	2.9	2.0	3.5			
TOC (mg/L)	-	1	NS	NS	NS	NS	NS			
alkalinity (mg/L)	-	10	320 ♦	290	280	330 ♦	330			
chloride (mg/L)	250	1	41 ♦	21 B	21 ♦	26	34			
nitrate (mg/L)	10	1	U	U	U	U	U			
sulfate (mg/L)	250	1	230	110	130	100 ♦	220 ♦			
Field Parameters										
ORP (mV)	-	-	-59	-100	-128	-70	-112			
oxygen (mg/L)	-	-	0.00	0.00	0.00	0.00	0.00			
pH (-)	-	-	7.2	7.16	6.88	6.98	7.15			
ferrous iron (mg/L)	-	-	0.4	1.8	3.0	2.6	2.9			

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-105B							
Sample ID			**782VM105B33AA**	**782VM105B33AB**	**782VM105B36BB**	**782VM105B36CA**	**782VM105B36DA**	**782VM105B36EB**	**782VM105B36FB**	**782VM105B36GA**
Date of Collection			**11/14/2006**	**9/24/2008**	**12/30/2008**	**4/15/2009**	**6/17/2009**	**9/21/2009**	**4/15/2010**	**9/29/2010**
Sample Depth (ft TOIC)			**33**	**33**	**36**	**36**	**36**	**36**	**36**	**36**
Dilution Factor (-)			**1**	**2.5**	**2**	**2**	**2**	**2**	**2**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	28.7	64.1 M♦	157 J♦	123	35.5 ♦	1.06 F	U
1,2-dichlorobenzene	3	1.0	U	U	U	0.220 F	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	44.4	44.5 M♦	66.5	32.7	17.0 ♦	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	0.110 F
acetone	50	10	U	U	U	U	U	U	U	7.56 F
benzene	1	0.4	U	0.180 F	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	0.160 F
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	0.510 F	1.36	1.88 F	1.30 F♦	0.720 F ♦	3.00 ♦	4.70 ♦	4.83 ♦
ethylbenzene	5*	1.0	U	31.8	22.6	65.4 M♦	29.1 ♦	21.0 ♦	U	U
isopropylbenzene	5*	1.0	U	37.4	25.5 M♦	30.9 ♦	18.3 ♦	24.4	1.22 F	0.570 F
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	0.38 F♦	U	U	U	U	U
n-butylbenzene	5*	1.0	U	1.08	1.12 F	1.80 F♦	1.24 F	1.10 F ♦	U	U
n-propylbenzene	5*	1.0	U	36.4	26.0 M♦	31.1 ♦	18.1 ♦	22.6 ♦	0.640 F	0.110 F
m,p,-xylene (sum of isomers)	5*	2.0	U	21.2	38.6 ♦	148 M♦	99.6 ♦	18.4 ♦	U	U
naphthalene	10	1.0	U	29.3	15.8 ♦	36.7	20.9	17.1♦	0.880 F	U
o-xylene	5*	1.0	U	U	0.560 F♦	1.10 F♦	0.220 F♦	U	U	U
p-isopropyltoluene	5*	1.0	U	0.630 F	2.00 ♦	4.20	2.20	1.46 F ♦	U	U
sec-butylbenzene	5*	1.0	U	6.43	4.74 ♦	5.96	3.10	4.98 ♦	1.10 F	0.770 F
t-butylbenzene	5*	1.0	U	0.790 F	U	U	0.400	0.540 F	U	0.120 F
tetrachloroethene (PCE)	5*	1.0	0.130 F	0.360 F	0.380 F♦	0.680 F	U	0.400 F	0.500 F	0.450 F
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	7.97	23.9	24.7	17.8	7.20 ♦	39.6 ♦	34.8	29.6
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	-	8.61	263.93	272.86	568.66	356.78	207.08	44.9	44.28
Wet Chemistry										
DOC (mg/L)	-	1	1.6	2.4	2.6 ♦	2.7 ♦	3.3 ♦	2.2	2.6 J♦	2.0 J
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	250	260	240	190	210 ♦	250	190	210
chloride (mg/L)	250	1	12	11	9.3	6.7 ♦	7.5 ♦	7.5	4.9 ♦	7.5
nitrate (mg/L)	10	1	0.32 F	0.68	0.39 ♦	0.17 ♦	0.21 ♦	0.33	0.083 F ♦	U
sulfate (mg/L)	250	1	9.0	7.0	6.8	5.2 ♦	6.4 ♦	9.5	8.6 ♦	8.6 ♦
Field Parameters										
ORP (mV)	-	-	-22	-199	-145	-138	-147	-152	-133	-170
oxygen (mg/L)	-	-	0.00	1.53	0.78	0.34	0.00	5.56	0.93	4.98
pH (-)	-	-	7.01	7.36	7.49	6.50	7.40	7.18	7.68	7.37
ferrous iron (mg/L)	-	-	0.5	2.0	NS	2.0	3.6	2.5	2.0	1.4

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-105B							
Sample ID			**782VM105B36HB**	**782VM105B36IB**	**782VM105B36JB**	**782VM105B36KB**	**782VM105B36LA**			
Date of Collection			**4/6/2011**	**9/13/2011**	**4/10/2012**	**9/26/2012**	**3/12/2013**			
Sample Depth (ft TOIC)			**36**	**36**	**36**	**36**	**36**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,2-dichlorobenzene	3	1.0	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U			
4-Chlorotoluene	5*	1.0	U	U	U	U	U			
acetone	50	10	3.61 FB	U	1.20 FM	1.66 F	9.60 FB♦			
benzene	1	0.4	U	U	U	U	U			
Bromomethane	5*	3.0	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	0.150 F♦	U	U	U	U			
chloromethane	--	1.0	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	3.26 J♦	2.83	1.35	1.96	2.15 ♦			
ethylbenzene	5*	1.0	U	U	U	U	U			
isopropylbenzene	5*	1.0	0.15 F♦	0.130 F	U	U	U			
methyl tert-butyl ether	10	5.0	U	U	U	U	U			
methylene chloride	5*	1.0	U	U	U	0.180 F	U			
n-butylbenzene	5*	1.0	U	U	U	U	U			
n-propylbenzene	5*	1.0	U	U	U	U	U			
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U			
naphthalene	10	1.0	U	U	U	U	U			
o-xylene	5*	1.0	U	U	U	U	U			
p-isopropyltoluene	5*	1.0	U	U	U	U	U			
sec-butylbenzene	5*	1.0	0.330 F♦	0.300 F	0.250 F	U	U			
t-butylbenzene	5*	1.0	U	U	U	U	U			
tetrachloroethene (PCE)	5*	1.0	0.600 F♦	0.360 F	U	0.320 F	0.390 F			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U			
trichloroethene (TCE)	5*	1.0	43.6 M ♦	24.3 ♦	9.24 M♦	22.3	25.5 ♦			
vinyl chloride	2	1.0	U	U	U	U	U			
total VOCs	-	-	51.7	27.92	12.04	26.42	37.64			
Wet Chemistry										
DOC (mg/L)	-	1	1.8 ♦	11.8	2.2	1.9 J♦	1.8 ♦			
TOC (mg/L)	-	1	NS	NS	2.3	NS	NS			
alkalinity (mg/L)	-	10	230	240	250	250	250			
chloride (mg/L)	250	1	11	7	4.4	3.8	3.9			
nitrate (mg/L)	10	1	U	U	0.12 F	0.15 F	0.15 F			
sulfate (mg/L)	250	1	8.5	7.3	7.3	6.6	12			
Field Parameters										
ORP (mV)	-	-	-120	-173	-181	-119	-143			
oxygen (mg/L)	-	-	8.11	1.32	6.60	4.70	0.00			
pH (-)	-	-	7.43	7.25	7.00	7.24	7.59			
ferrous iron (mg/L)	-	-	3.0	1.7	3.0	4.4	2.6			

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782MW-10							
Sample ID			**782M1027AA**	**782M1027AB**	**782M1027BB**	**782VM1027CA**	**782M1027DA**	**782M1027EB**	**782M1027FB**	**782M1027GA**
Date of Collection			**11/14/2006**	**9/24/2008**	**12/31/2008**	**3/26/2009**	**6/16/2009**	**9/23/2009**	**4/19/2010**	**9/28/2010**
Sample Depth (ft TOIC)			**27**	**27**	**27**	**27**	**27**	**27**	**27**	**27**
Dilution Factor (-)			**2**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	0.420 F	0.240 F	0.240 F	0.190 F	0.340 F	0.200 F	0.120 F	0.400 F
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U			U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	1.14 F	U	U	1.47 F	1.19 F	U
benzene	1	0.4	0.420 F	0.250 F	0.250 F	0.200 F	0.310 F	0.190 F	0.170 F	0.510
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	43.9	23.0	23.9	16.6	32.2	20.1	12.7	40.2
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	0.220 F	U	0.170 F	U	0.280 F	U	U	0.280 F
methylene chloride	5*	1.0	0.200 F	U	U	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	2.92	1.69	1.71	1.27	2.22	1.41	0.970 F	3.19
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	17.4	10.8	13.0	10.2	18.1	12.1	7.22	20.2
total VOCs	-	-	64.64	35.98	40.41	28.46	53.45	35.47	22.35	64.78
Wet Chemistry										
DOC (mg/L)	-	1	3.1	5.1	5.3	5.5	6.8	5.5	10	4.3
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	270	270	260	270	260	280	250	240
chloride (mg/L)	250	1	110	16	13	13	15	9.2	6.9	16
nitrate (mg/L)	10	1	U	0.018 F	0.46	0.41	0.35	0.12 B	U	U
sulfate (mg/L)	250	1	4.9	2.1	1.2	9.7	1.8	1.3	0.67 F	2.1
Field Parameters										
ORP (mV)	-	-	-109	-92	159	-8	17	-18	-105	-97
oxygen (mg/L)	-	-	0.93	1.05	1.99	0.00	3.45	1.48	0.00	0.00
pH (-)	-	-	6.97	6.86	6.25	5.90	7.06	7.26	6.74	7.01
ferrous iron (mg/L)	-	-	5.0	NS	NS	0.0	0.9	0.8	2.4	1.6

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782MW-10							
Sample ID			**782M1027HA**	**782M1027IA**	**782M1027JA**	**782M1027KA**	**782M1027LA**			
Date of Collection			**4/5/2011**	**9/13/2011**	**4/10/2012**	**9/25/2012**	**3/13/2013**			
Sample Depth (ft TOIC)			**27**	**27**	**27**	**27**	**27**			
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**			
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	0.390 F	0.220 F	0.330 F	0.360 F	0.450 F			
1,1-dichloroethene	5*	1.0	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,2-dichlorobenzene	3	1.0	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U			
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U			
4-Chlorotoluene	5*	1.0	U	U	U	U	U			
acetone	50	10	2.03 FB	U	26.2	2.85 F	10.4 B			
benzene	1	0.4	0.480 F	0.390 F	0.470 F	0.440 F	0.550			
Bromomethane	5*	3.0	U	U	U	U	U			
2-butanone	50	10	U	U	U	U	U			
chlorobenzene	5*	0.5	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U			
chloromethane	--	1.0	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1.0	40.0	28.5	35.4	37.9	37.4			
ethylbenzene	5*	1.0	U	U	U	U	U			
isopropylbenzene	5*	1.0	U	U	U	U	U			
methyl tert-butyl ether	10	5.0	0.270 F	U	0.300 F	0.250 F	0.360 F			
methylene chloride	5*	1.0	0.330 F	U	U	U	U			
n-butylbenzene	5*	1.0	U	U	U	U	U			
n-propylbenzene	5*	1.0	U	U	U	U	U			
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U			
naphthalene	10	1.0	U	U	U	U	U			
o-xylene	5*	1.0	U	U	U	U	U			
p-isopropyltoluene	5*	1.0	U	U	U	U	U			
sec-butylbenzene	5*	1.0	U	U	U	U	U			
t-butylbenzene	5*	1.0	U	U	U	U	U			
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U			
toluene	5*	1.0	U	U	U	U	U			
trans-1,2-dichloroethene	5*	1.0	3.17	2.39	3.05	3.31	3.41			
trichloroethene (TCE)	5*	1.0	U	U	U	U	U			
vinyl chloride	2	1.0	20.1	13.8	18.4	20.6	30.6			
total VOCs	-	-	66.77	45.3	84.15	65.71	83.17			
Wet Chemistry										
DOC (mg/L)	-	1	19	5.2	5.5	3.0	2.9			
TOC (mg/L)	-	1	NS	NS	NS	NS	NS			
alkalinity (mg/L)	-	10	230	240	260	250	260			
chloride (mg/L)	250	1	13	11	11	12	10			
nitrate (mg/L)	10	1	U	U	0.1	U	U			
sulfate (mg/L)	250	1	2.3	1.2	0.73 F	0.62 F	0.68 F			
Field Parameters										
ORP (mV)	-	-	-114	-166	-166	-101	-114			
oxygen (mg/L)	-	-	0.00	8.32	0.00	0.00	0.00			
pH (-)	-	-	7.07	6.9	6.95	7.47	6.99			
ferrous iron (mg/L)	-	-	1.4	3.2	2.0	3.5	2.6			

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-121							
Sample ID			**782M12116AB**	**782VM12116BB**	**782MW12116CA**	**782VM12116DA**	**782VM12116EB**	**782VM12116FB**	**782VM12116GA**	**782VM12116HA**
Date of Collection			**9/25/2008**	**12/31/2008**	**3/25/2009**	**6/17/2009**	**9/21/2009**	**4/15/2010**	**9/28/2010**	**4/6/2011**
Sample Depth (ft TOIC)			**16**	**16**	**16**	**16**	**16**	**16**	**16**	**16**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	1.19 F	U	2.57 F	U	U	1.49 FB
benzene	1	0.4	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	3.95 F	3.29 F	2.34 F	2.18 F	4.16 F	2.68 F	2.68 F	2.92 F
methylene chloride	5*	1.0	U	U	0.170 F	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	22.5	24.4	12.7	11.8	21.8	17.5	19.2	19.1
total VOCs	-	-	26.45	27.69	16.4	13.98	28.53	20.18	21.88	23.51
Wet Chemistry										
DOC (mg/L)	-	1	4.5	4.0	3.8	4.2	4.7	4.1	4.1	3.2
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	320	320	330	340	320	290	290	270
chloride (mg/L)	250	1	57	57	39	47	51	34	40	35
nitrate (mg/L)	10	1	U	U	0.17 F	U	0.059 F	U	U	U
sulfate (mg/L)	250	1	270	190	110	180	120	260	290	330
Field Parameters										
ORP (mV)	-	-	-105	-59	-33	-54	-88	-81	-100	-13
oxygen (mg/L)	-	-	0.55	0.91	1.59	0.00	1.97	0.00	4.68	0.00
pH (-)	-	-	6.17	8.79	6.89	6.67	7.53	6.98	7.65	7.05
ferrous iron (mg/L)	-	-	3.0	NS	1.8	1.4	3.2	1.8	1.8	2.3

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-121							
Sample ID			**782VM12116IA**	**782VM12116JA**	**782VM12116KA**	**782VM12116LA**				
Date of Collection			**9/13/2011**	**4/10/2012**	**9/26/2012**	**3/12/2013**				
Sample Depth (ft TOIC)			**16**	**16**	**16**	**16**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U				
1,2-dichlorobenzene	3	1.0	U	U	U	U				
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U				
1,4-Dichlorobenzene	3	0.5	U	U	U	U				
4-Chlorotoluene	5*	1.0	U	U	U	U				
acetone	50	10	U	U	2.30 F	8.29 FB				
benzene	1	0.4	U	U	U	U				
Bromomethane	5*	3.0	U	U	U	U				
2-butanone	50	10	U	U	U	U				
chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	U	U	U	U				
chloromethane	--	1.0	U	U	U	U				
cis-1,2-dichloroethene	5*	1.0	U	U	U	U				
ethylbenzene	5*	1.0	U	U	U	U				
isopropylbenzene	5*	1.0	U	U	U	U				
methyl tert-butyl ether	10	5.0	3.09 F	1.38 F	1.66 F	2.15 F				
methylene chloride	5*	1.0	U	U	0.200 F	U				
n-butylbenzene	5*	1.0	U	U	U	U				
n-propylbenzene	5*	1.0	U	U	U	U				
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U				
naphthalene	10	1.0	U	U	U	U				
o-xylene	5*	1.0	U	U	U	U				
p-isopropyltoluene	5*	1.0	U	U	U	U				
sec-butylbenzene	5*	1.0	U	U	U	U				
t-butylbenzene	5*	1.0	U	U	U	U				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
toluene	5*	1.0	U	U	U	U				
trans-1,2-dichloroethene	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	U	U	U	U				
vinyl chloride	2	1.0	15.7	11.8	15.5	17.0				
total VOCs	-	-	18.79	13.18	19.66	27.44				
Wet Chemistry										
DOC (mg/L)	-	1	3.0	3.5	2.1	2.9				
TOC (mg/L)	-	1	NS	NS	NS	NS				
alkalinity (mg/L)	-	10	320	310	320	310				
chloride (mg/L)	250	1	37	31	39	35				
nitrate (mg/L)	10	1	U	U	U	U				
sulfate (mg/L)	250	1	210	95	82	130				
Field Parameters										
ORP (mV)	-	-	-118	-104	-77	-87				
oxygen (mg/L)	-	-	0.00	0.99	0.00	0.00				
pH (-)	-	-	6.98	7.01	6.91	6.86				
ferrous iron (mg/L)	-	-	2.5	4.0	5.0	3.2				

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-121D							
Sample ID			**782M121D26AB**	**782VM121D26BB**	**782VM121D26CA**	**782VM121D26DA**	**782VM121D26EB**	**782VM121D26FB**	**782VM121D26GA**	**782VM121D26HA**
Date of Collection			**9/25/2008**	**12/31/2008**	**3/25/2009**	**6/16/2009**	**9/21/2009**	**4/15/2010**	**9/28/2010**	**4/6/2011**
Sample Depth (ft TOIC)			**26**	**26**	**26**	**26**	**26**	**26**	**26**	**26**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1.0	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U
4-Chlorotoluene	5*	1.0	U	U	U	U	U	U	U	U
acetone	50	10	U	U	1.13 F	U	1.22 F	1.52 F	1.38 F	1.36 FB
benzene	1	0.4	U	U	U	U	U	U	U	U
Bromomethane	5*	3.0	U	U	U	U	U	U	U	U
2-butanone	50	10	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U
chloromethane	--	1.0	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	5.35	5.71	5.66	6.60	6.76	6.5	5.12	6.48
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
n-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1.0	U	U	U	U	U	U	U	U
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U	U	U	U	U
naphthalene	10	1.0	U	U	U	U	U	U	U	U
o-xylene	5*	1.0	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1.0	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
t-butylbenzene	5*	1.0	U	U	U	U	U	U	U	U
tetrachloroethene (PCE)	5*	1.0	U	U	U	U	U	U	U	U
toluene	5*	1.0	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	U	U	U	U
vinyl chloride	2	1.0	15.2	18.1	12.9	23.3	18.5	15.5	18.0	22.3
total VOCs	-	-	20.55	23.81	19.69	29.9	26.48	23.52	24.5	30.14
Wet Chemistry										
DOC (mg/L)	-	1	4.9	5.0	4.6	7.9	5.4	19	4.9	3.9
TOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	360	350	350	360	340	350	340	330
chloride (mg/L)	250	1	61	56	56	53	55	48	48	45
nitrate (mg/L)	10	1	U	U	U	U	0.048 F	U	U	U
sulfate (mg/L)	250	1	32	27	27	25	17	79	59	170
Field Parameters										
ORP (mV)	-	-	-95	-38	-61	-95	-103	-96	-130	-76
oxygen (mg/L)	-	-	0.87	1.25	0.32	0.64	2.17	0.00	4.74	0.00
pH (-)	-	-	6.01	8.6	6.93	7.24	7.73	6.92	7.68	7.13
ferrous iron (mg/L)	-	-	2.8	NS	1.2	2.0	3.0	4.0	2.4	1.2

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782VMW-121D							
Sample ID			**782VM121D26IA**	**782VM121D26JA**	**782VM121D26KA**	**782VM121D26LA**				
Date of Collection			**9/14/2011**	**4/10/2012**	**9/26/2012**	**3/12/2013**				
Sample Depth (ft TOIC)			**26**	**26**	**26**	**26**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U	U	U	U				
1,1-dichloroethene	5*	1.0	U	U	U	U				
1,2,4-trimethylbenzene	5*	1.0	U	U	U	U				
1,2-dichlorobenzene	3	1.0	U	U	U	U				
1,3,5-trimethylbenzene	5*	1.0	U	U	U	U				
1,4-Dichlorobenzene	3	0.5	U	U	U	U				
4-Chlorotoluene	5*	1.0	U	U	U	U				
acetone	50	10	U	U	U	10.1 B				
benzene	1	0.4	U	U	U	U				
Bromomethane	5*	3.0	U	U	U	U				
2-butanone	50	10	U	U	U	U				
chlorobenzene	5*	0.5	U	U	U	U				
chloroform	7	0.3	U	U	U	U				
chloromethane	--	1.0	U	U	U	U				
cis-1,2-dichloroethene	5*	1.0	0.120 F	U	U	0.110 F				
ethylbenzene	5*	1.0	U	U	U	U				
isopropylbenzene	5*	1.0	U	U	U	U				
methyl tert-butyl ether	10	5.0	6.68	4.92 F	4.05 F	3.79 F				
methylene chloride	5*	1.0	U	U	U	U				
n-butylbenzene	5*	1.0	U	U	U	U				
n-propylbenzene	5*	1.0	U	U	U	U				
m,p,-xylene (sum of isomers)	5*	2.0	U	U	U	U				
naphthalene	10	1.0	U	U	U	U				
o-xylene	5*	1.0	U	U	U	U				
p-isopropyltoluene	5*	1.0	U	U	U	U				
sec-butylbenzene	5*	1.0	U	U	U	U				
t-butylbenzene	5*	1.0	U	U	U	U				
tetrachloroethene (PCE)	5*	1.0	U	U	U	U				
toluene	5*	1.0	U	U	U	U				
trans-1,2-dichloroethene	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	U	U	U	U				
vinyl chloride	2	1.0	16.1	14.1	17.9	19.2				
total VOCs	-	-	22.9	18.39	21.95	33.2				
Wet Chemistry										
DOC (mg/L)	-	1	3.9	5.8	2.8	3.0				
TOC (mg/L)	-	1	NS	NS	NS	NS				
alkalinity (mg/L)	-	10	340	330	310	310				
chloride (mg/L)	250	1	40	45	44	38				
nitrate (mg/L)	10	1	U	U	U	U				
sulfate (mg/L)	250	1	110	47	37	130				
Field Parameters										
ORP (mV)	-	-	-126	-139	-93	-95				
oxygen (mg/L)	-	-	0.00	0.00	0.00	0.00				
pH (-)	-	-	6.89	6.91	6.91	6.85				
ferrous iron (mg/L)	-	-	5.6	6.0	6.0	1.4				

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	AP2MW-3							
Sample ID			**AP2M0327AB**		**AP2M0327EB**	**AP2M0327FB**	**AP2M0327GA**	**AP2M0327IA**	**AP2M0327KA**	
Date of Collection			**9/26/2008**		**9/21/2009**	**4/15/2010**	**9/28/2010**	**9/14/2011**	**9/25/2012**	
Sample Depth (ft TOIC)			**27**		**27**	**27**	**27**	**27**	**27**	
Dilution Factor (-)			**25**		**25**	**25**	**25**	**1**	**1**	
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U		U	U	U	U	U	
1,1-dichloroethene	5*	1.0	U		U	U	U	U	U	
1,2,4-trimethylbenzene	5*	1.0	32.4		17.0 F	29.2	14.5 F	10.6	8.03	
1,2-dichlorobenzene	3	1.0	U		U	U	U	U	U	
1,3,5-trimethylbenzene	5*	1.0	6.73		4.00 F	7.25 F	3.50 F	2.27	1.58	
1,4-Dichlorobenzene	3	0.5	U		U	U	U	U	U	
4-Chlorotoluene	5*	1.0	U		U	U	U	U	U	
acetone	50	10	U		U	U	253	U	U	
benzene	1	0.4	658		668	708	614	U	211 J	
Bromomethane	5*	3.0	U		U	U	U	U	U	
2-butanone	50	10	U		U	U	U	U	U	
chlorobenzene	5*	0.5	U		U	U	U	U	U	
chloroform	7	0.3	U		3.00 F	U	U	U	U	
chloromethane	--	1.0	U		U	U	U	U	U	
cis-1,2-dichloroethene	5*	1.0	U		U	U	U	U	U	
ethylbenzene	5*	1.0	2.57		U	5.00 F	U	0.480 F	0.330 F	
isopropylbenzene	5*	1.0	2.54		U	U	U	1.25	0.730 F	
methyl tert-butyl ether	10	5.0	U		51.5 F	55.8 F	37.2 F	53.9	30.1	
methylene chloride	5*	1.0	U		U	U	U	U	U	
n-butylbenzene	5*	1.0	U		U	U	U	U	U	
n-propylbenzene	5*	1.0	2.52		U	4.00 F	U	0.960 F	0.630 F	
m,p,-xylene (sum of isomers)	5*	2.0	61.0		35.2 F	32.2 F	11.8 F	3.57	1.3 F	
naphthalene	10	1.0	11.9		5.50 F	6.75 F	6.25 F	4.11	2.46	
o-xylene	5*	1.0	0.610 F		U	4.50 F	U	0.170 F	0.120 F	
p-isopropyltoluene	5*	1.0	U		U	U	U	U	U	
sec-butylbenzene	5*	1.0	U		U	U	U	U	U	
t-butylbenzene	5*	1.0	U		U	U	U	U	U	
tetrachloroethene (PCE)	5*	1.0	U		U	U	U	U	U	
toluene	5*	1.0	0.690 F		U	U	U	0.420 F	0.260 F	
trans-1,2-dichloroethene	5*	1.0	U		U	U	U	U	U	
trichloroethene (TCE)	5*	1.0	U		U	U	U	U	U	
vinyl chloride	2	1.0	U		U	U	U	U	U	
total VOCs	-	-	778.96	Monitoring well not sampled, annual sampling frequency.	784.2	852.7	940.25	77.73	256.54	
Wet Chemistry										
DOC (mg/L)	-	1	6.1		6.4	6.7	5.8	6.2	5.0	
TOC (mg/L)	-	1	NS		NS	NS	NS	NS	NS	
alkalinity (mg/L)	-	10	350		360	370	370	360	370	
chloride (mg/L)	250	1	72		75	62	68	58	58	
nitrate (mg/L)	10	1	U		U	U	U	U	U	
sulfate (mg/L)	250	1	U		U	U	U	U	U	
Field Parameters										
ORP (mV)	-	-	-116		-101	-105	-9	-136	-87	
oxygen (mg/L)	-	-	1.60		1.79	0.00	0.00	0.00	0.00	
pH (-)	-	-	6.74		7.60	6.98	6.57	7.01	6.83	
ferrous iron (mg/L)	-	-	1.6		3.8	6.0	3.0	3.8	4.2	

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**786MW-15**							
Sample ID			**786M1515JA**							
Date of Collection			**4/11/2012**							
Sample Depth (ft TOIC)			**15**							
Dilution Factor (-)			**1**							
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U							
1,1-dichloroethene	5*	1.0	U							
1,2,4-trimethylbenzene	5*	1.0	U							
1,2-dichlorobenzene	3	1.0	U							
1,3,5-trimethylbenzene	5*	1.0	U							
1,4-Dichlorobenzene	3	0.5	0.300 F							
4-Chlorotoluene	5*	1.0	U							
acetone	50	10	2.32 F							
benzene	1	0.4	U							
Bromomethane	5*	3.0	2.08 F							
2-butanone	50	10	U							
chlorobenzene	5*	0.5	U							
chloroform	7	0.3	U							
chloromethane	--	1.0	0.530 F							
cis-1,2-dichloroethene	5*	1.0	U							
ethylbenzene	5*	1.0	U							
isopropylbenzene	5*	1.0	U							
methyl tert-butyl ether	10	5.0	U							
methylene chloride	5*	1.0	U							
n-butylbenzene	5*	1.0	U							
n-propylbenzene	5*	1.0	U							
m,p,-xylene (sum of isomers)	5*	2.0	U							
naphthalene	10	1.0	U							
o-xylene	5*	1.0	U							
p-isopropyltoluene	5*	1.0	U							
sec-butylbenzene	5*	1.0	U							
t-butylbenzene	5*	1.0	U							
tetrachloroethene (PCE)	5*	1.0	U							
toluene	5*	1.0	0.430 F							
trans-1,2-dichloroethene	5*	1.0	U							
trichloroethene (TCE)	5*	1.0	U							
vinyl chloride	2	1.0	U							
total VOCs	-	-	5.66							
Wet Chemistry										
DOC (mg/L)	-	1	NS							
TOC (mg/L)	-	1	5.1							
alkalinity (mg/L)	-	10	NS							
chloride (mg/L)	250	1	NS							
nitrate (mg/L)	10	1	NS							
sulfate (mg/L)	250	1	NS							
Field Parameters										
ORP (mV)	-	-	120							
oxygen (mg/L)	-	-	1.97							
pH (-)	-	-	6.64							
ferrous iron (mg/L)	-	-	0.0							

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**786MW-16**							
Sample ID			**786M1617JA**							
Date of Collection			**4/11/2012**							
Sample Depth (ft TOIC)			**17**							
Dilution Factor (-)			**1**							
VOCs (µg/L)										
1,1- dichloroethane	5*	1.0	U							
1,1-dichloroethene	5*	1.0	U							
1,2,4-trimethylbenzene	5*	1.0	U							
1,2-dichlorobenzene	3	1.0	U							
1,3,5-trimethylbenzene	5*	1.0	U							
1,4-Dichlorobenzene	3	0.5	U							
4-Chlorotoluene	5*	1.0	U							
acetone	50	10	2.38 F							
benzene	1	0.4	U							
Bromomethane	5*	3.0	U							
2-butanone	50	10	U							
chlorobenzene	5*	0.5	U							
chloroform	7	0.3	U							
chloromethane	--	1.0	U							
cis-1,2-dichloroethene	5*	1.0	U							
ethylbenzene	5*	1.0	U							
isopropylbenzene	5*	1.0	U							
methyl tert-butyl ether	10	5.0	U							
methylene chloride	5*	1.0	U							
n-butylbenzene	5*	1.0	U							
n-propylbenzene	5*	1.0	U							
m,p,-xylene (sum of isomers)	5*	2.0	U							
naphthalene	10	1.0	U							
o-xylene	5*	1.0	U							
p-isopropyltoluene	5*	1.0	U							
sec-butylbenzene	5*	1.0	U							
t-butylbenzene	5*	1.0	U							
tetrachloroethene (PCE)	5*	1.0	U							
toluene	5*	1.0	0.400 F							
trans-1,2-dichloroethene	5*	1.0	U							
trichloroethene (TCE)	5*	1.0	U							
vinyl chloride	2	1.0	U							
total VOCs	-	-	2.78							
Wet Chemistry										
DOC (mg/L)	-	1	NS							
TOC (mg/L)	-	1	6.1							
alkalinity (mg/L)	-	10	NS							
chloride (mg/L)	250	1	NS							
nitrate (mg/L)	10	1	NS							
sulfate (mg/L)	250	1	NS							
Field Parameters										
ORP (mV)	-	-	116							
oxygen (mg/L)	-	-	0.00							
pH (-)	-	-	6.33							
ferrous iron (mg/L)	-	-	0.0							

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782SW-115							
Sample ID			**782SW11501AA**	**782SW11501AB**	**782SW11501BB**	**782SW11501CA**	**782SW11501DA**	**782SW11501EB**	**782SW11501FB**	**782SW11501GA**
Date of Collection			**11/15/2006**	**9/24/2008**	**1/2/2009**	**4/16/2009**	**6/16/2009**	**9/24/2009**	**4/21/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
acetone	50	10	U	U	U	1.12 F	U	1.11 F	U	U
benzene	1	0.4	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	0.160 F	U	0.230 F	0.220 F	0.120 F	U	0.190 F	0.250 F
chloroform	7	0.3	U	U	U	U	U	U	0.150 F	0.240 F
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	0.120 F	U	U	U
ethylbenzene	5*	1.0	U	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	U	U	U	U	U	U	U	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	0.140 F	U	0.110 F	U	U	0.130 F	U	0.110 F
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	-	0.3	0	0.34	1.34	0.24	1.83	0.34	0.6
Wet Chemistry										
DOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	NS	NS	NS	NS	NS	NS	NS	NS
chloride (mg/L)	250	1	NS	NS	NS	NS	NS	NS	NS	NS
nitrate (mg/L)	10	1	NS	NS	NS	NS	NS	NS	NS	NS
sulfate (mg/L)	250	1	NS	NS	NS	NS	NS	NS	NS	NS
Field Parameters										
ORP (mV)	-	-	-40	169	51	187	7	-5	-38	8
oxygen (mg/L)	-	-	9.33	12.34	11.11	11.79	8.79	10.01	7.10	11.44
pH (-)	-	-	7.09	5.90	6.21	5.44	7.20	7.65	7.48	6.21
ferrous iron (mg/L)	-	-	NS	NS	NS	NS	NS	NS	NS	NS

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782SW-115							
Sample ID			**782SW11501HA**	**782SW11501IA**	**782SW11501KA**	**782SW11501LA**				
Date of Collection			**4/5/2011**	**9/14/2011**	**9/26/2012**	**3/12/2013**				
Sample Depth (ft TOIC)			**1**	**1**	**1**	**1**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
acetone	50	10	3.52 FB	3.25 FB	1.86 F	7.68 FB				
benzene	1	0.4	U	U	U	U				
chlorobenzene	5*	0.5	0.210 F	U	U	U				
chloroform	7	0.3	0.160 F	0.500	0.240 F	U				
cis-1,2-dichloroethene	5*	1.0	U	U	U	U				
ethylbenzene	5*	1.0	U	U	U	U				
methyl tert-butyl ether	10	5.0	U	U	U	U				
methylene chloride	5*	1.0	U	U	U	U				
trichloroethene (TCE)	5*	1.0	U	0.180 F	0.130 F	U				
vinyl chloride	2	1.0	U	U	U	U				
total VOCs	-	-	3.89	3.93	2.23	7.68				
Wet Chemistry										
DOC (mg/L)	-	1	NS	NS	NS	NS				
alkalinity (mg/L)	-	10	NS	NS	NS	NS				
chloride (mg/L)	250	1	NS	NS	NS	NS				
nitrate (mg/L)	10	1	NS	NS	NS	NS				
sulfate (mg/L)	250	1	NS	NS	NS	NS				
Field Parameters										
ORP (mV)	-	-	113	-56	210	37				
oxygen (mg/L)	-	-	25.43	6.19	10.92	14.50				
pH (-)	-	-	7.86	6.94	6.51	7.86				
ferrous iron (mg/L)	-	-	NS	NS	NS	NS				

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782SW-118							
Sample ID			**782SW11801AA**	**782SW11801AB**	**782SW11801BB**	**782SW11801CA**	**782SW11801DA**	**782SW11801EB**	**782SW11801FB**	**782SW11801GA**
Date of Collection			**11/15/2006**	**9/24/2008**	**1/2/2009**	**4/16/2009**	**6/16/2009**	**9/24/2009**	**4/21/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
acetone	50	10	U	U	U	1.10 F	U	U	1.27 F	U
benzene	1	0.4	1.85	1.42	1.11	0.620	0.620	0.740	0.350 F	U
chlorobenzene	5*	0.5	0.150 F	U	0.200 F	0.170 F	0.130 F	U	0.230 F	0.240 F
chloroform	7	0.3	U	U	U	U	U	U	0.150 F	0.230 F
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
ethylbenzene	5*	1.0	0.110 F	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	0.190 F	U	0.220 F	U	0.220 F	0.300 F	0.171 FJ	U
methylene chloride	5*	1.0	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	0.130 F	U	U	0.120 F	U	0.110 F	0.110 F	U
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	-	0.28	1.42	1.53	2.01	0.970	1.54	2.281	0.47
Wet Chemistry										
DOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	NS	NS	NS	NS	NS	NS	NS	NS
chloride (mg/L)	250	1	NS	NS	NS	NS	NS	NS	NS	NS
nitrate (mg/L)	10	1	NS	NS	NS	NS	NS	NS	NS	NS
sulfate (mg/L)	250	1	NS	NS	NS	NS	NS	NS	NS	NS
Field Parameters										
ORP (mV)	-	-	-37	199	38	173	33	-39	-81	33
oxygen (mg/L)	-	-	9.51	12.04	11.14	10.63	9.59	10.04	7.49	11.40
pH (-)	-	-	7.20	5.77	6.22	5.45	7.19	7.60	7.37	6.48
ferrous iron (mg/L)	-	-	NS	NS	NS	NS	NS	NS	NS	NS

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782SW-118							
Sample ID			**782SW11801HA**	**782SW11801IA**	**782SW11801KA**	**782SW11801LA**				
Date of Collection			**4/5/2011**	**9/14/2011**	**9/26/2012**	**3/12/2013**				
Sample Depth (ft TOIC)			**1**	**1**	**1**	**1**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
acetone	50	10	3.72 FB	U	1.77 F	11.3 B				
benzene	1	0.4	U	0.180 F	0.210 F	U				
chlorobenzene	5*	0.5	0.180 F	U	U	U				
chloroform	7	0.3	0.140 F	0.490 F	0.260 F	U				
cis-1,2-dichloroethene	5*	1.0	U	U	U	U				
ethylbenzene	5*	1.0	U	U	U	U				
methyl tert-butyl ether	10	5.0	U	0.210 F	0.230 F	U				
methylene chloride	5*	1.0	U	U	0.180 F	U				
trichloroethene (TCE)	5*	1.0	U	0.180 F	U	U				
vinyl chloride	2	1.0	U	U	U	U				
total VOCs	-	-	4.04	1.06	2.65	11.3				
Wet Chemistry										
DOC (mg/L)	-	1	NS	NS	NS	NS				
alkalinity (mg/L)	-	10	NS	NS	NS	NS				
chloride (mg/L)	250	1	NS	NS	NS	NS				
nitrate (mg/L)	10	1	NS	NS	NS	NS				
sulfate (mg/L)	250	1	NS	NS	NS	NS				
Field Parameters										
ORP (mV)	-	-	147	-50	123	27				
oxygen (mg/L)	-	-	8.49	7.57	5.23	12.53				
pH (-)	-	-	7.87	6.28	7.21	7.81				
ferrous iron (mg/L)	-	-	NS	NS	NS	NS				

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	NYS Groundwater Standards	Reporting Limit	782SW-119							
Sample ID			**782SW11901AA**	**782SW11901AB**	**782SW11901BB**	**782SW11901CA**	**782SW11901DA**	**782SW11901EB**	**782SW11901FB**	**782SW11901GA**
Date of Collection			**11/15/2006**	**9/24/2008**	**1/2/2009**	**4/16/2009**	**6/16/2009**	**9/24/2009**	**4/21/2010**	**10/4/2010**
Sample Depth (ft TOIC)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
Dilution Factor (-)			**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**
VOCs (µg/L)										
acetone	50	10	U	U	U	U	U	U	U	U
benzene	1	0.4	4.49	2.74	1.25	0.570	0.590	0.710	0.340 F	0.120 F
chlorobenzene	5*	0.5	0.150 F	U	0.190 F	0.170 F	0.120 F	U	0.170 F	0.230 F
chloroform	7	0.3	U	U	U	U	U	U	0.120 F	0.230 F
cis-1,2-dichloroethene	5*	1.0	U	U	U	U	U	U	U	U
ethylbenzene	5*	1.0	0.150 F	U	U	U	U	U	U	U
methyl tert-butyl ether	10	5.0	0.510 F	0.930 F	0.260 F	U	0.190 F	0.370 F	0.200 F	U
methylene chloride	5*	1.0	0.120 F	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1.0	U	U	U	U	0.110 F	U	0.170 F	U
vinyl chloride	2	1.0	U	U	U	U	U	U	U	U
total VOCs	-	-	0.15	3.67	1.7	0.74	1.01	1.08	1	0.58
Wet Chemistry										
DOC (mg/L)	-	1	NS	NS	NS	NS	NS	NS	NS	NS
alkalinity (mg/L)	-	10	NS	NS	NS	NS	NS	NS	NS	NS
chloride (mg/L)	250	1	NS	NS	NS	NS	NS	NS	NS	NS
nitrate (mg/L)	10	1	NS	NS	NS	NS	NS	NS	NS	NS
sulfate (mg/L)	250	1	NS	NS	NS	NS	NS	NS	NS	NS
Field Parameters										
ORP (mV)	-	-	-35	284	49	164	20	59	-28	64
oxygen (mg/L)	-	-	9.55	12.16	12.27	9.99	9.14	10.21	7.58	11.51
pH (-)	-	-	7.23	5.61	6.51	5.51	7.28	7.25	7.48	6.33
ferrous iron (mg/L)	-	-	NS	NS	NS	NS	NS	NS	NS	NS

Table 5-2
Apron 2 Detected Sampling Results

Sample Location	**NYS Groundwater Standards**	**Reporting Limit**	**782SW-119**							
Sample ID			**782SW11901HA**	**782SW11901IA**	**782SW11901KA**	**782SW11901LA**				
Date of Collection			**4/5/2011**	**9/14/2011**	**9/26/2012**	**3/12/2013**				
Sample Depth (ft TOIC)			**1**	**1**	**1**	**1**				
Dilution Factor (-)			**1**	**1**	**1**	**1**				
VOCs (µg/L)										
acetone	50	10	4.20 FB	4.25 FB	1.88 F	13.0 B				
benzene	1	0.4	U	0.170 F	0.200 F	U				
chlorobenzene	5*	0.5	0.180 F	U	U	U				
chloroform	7	0.3	0.130 F	0.440 F	0.250 F	U				
cis-1,2-dichloroethene	5*	1.0	U	U	U	U				
ethylbenzene	5*	1.0	U	U	U	U				
methyl tert-butyl ether	10	5.0	U	0.180 F	0.250 F	U				
methylene chloride	5*	1.0	U	U	0.190 F	U				
trichloroethene (TCE)	5*	1.0	U	0.150 F	U	U				
vinyl chloride	2	1.0	U	U	U	U				
total VOCs	-	-	4.51	5.19	2.77	13				
Wet Chemistry										
DOC (mg/L)	-	1	NS	NS	NS	NS				
alkalinity (mg/L)	-	10	NS	NS	NS	NS				
chloride (mg/L)	250	1	NS	NS	NS	NS				
nitrate (mg/L)	10	1	NS	NS	NS	NS				
sulfate (mg/L)	250	1	NS	NS	NS	NS				
Field Parameters										
ORP (mV)	-	-	165	16	79	31				
oxygen (mg/L)	-	-	9.66	8.16	5.86	11.88				
pH (-)	-	-	7.9	6.37	7.30	7.72				
ferrous iron (mg/L)	-	-	NS	NS	NS	NS				

Notes:
BGS - Below Ground Surface.
DOC - Dissolved Organic Carbon.
F - Analyte was positively identified above the Method Detection Limit (=MDL), but the concentration is below the Reporting Limit (=RL).
M- Matrix effect is present.
NA - Not Analyzed.
NS - Not Sampled.
ORP - Oxygen Reduction Potential.
TOIC - Top of inside casing.
U - The analyte was analyzed for, but not detected. The numerical value is at or below the MDL.
- Exceedance of the NYS Groundwater Standards or Guidance Values.
♦ - Denotes higher nominal value of duplicate sample result.
* - The principal organic contaminant standard for groundwater of 5 ug/L applies to this COC.
- - No NYS Groundwater Standard or Reporting Limit available.
J - The quantification is estimated due to the inability to meet certain QA/QC criteria.
B- The result for the analyte was detected in a blank sample.

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 9/24/12

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Building 775).

Weather conditions: Average temperature: 54 °F Average barometric reading: 30.15
Wind direction and speed: West 7mph
Significant wind changes: None

General description of tasks completed: Bladder pump sampling at Site Building 775 (775VMW-4, -5, -8, -9, -10, -20R, 775MW-6, -19R, -20, -28, 775EW-1, 775EF-1)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

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Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: Monitoring well 775VMW-4 stickup does not lock properly; locking well/casing lid comes off with lock attached. Monitoring well 775VMW-9, -20R have faulty check valves, therefore sacrifice drawdown.

Corrective actions taken or instructions obtained from AFCEE personnel: Replace or Clean check valves as needed. Replace 775VMW-4 locking well/casing lid.

Sampling shipment completed: √ Yes □ No LSL Courier.

DCQCR Prepared by: Katrina Mattice, FOM Date: 9/24/12

CQCC Signature: Cassandra Hasel Date: 10/4/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
√	✓ Field sampling forms
√	✓ Equipment Calibration Log
√	✓ Copies of COCs
√	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC MG

Location and Site Code (SITEID): B725

Well No. (LOCID): 775MW-4 Well Diameter (SDIAM): 2

Date (LOGDATE): 9/24/12 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

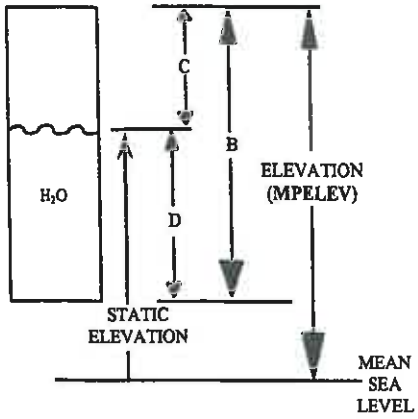
Measured Water Level Depth (C) (STATDEP) 58.73 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 65

Depth during Purging/Sampling: 58.96 ft (provide range)

Comments (re: Depth during purging/sampling): Purge 1700ml



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear no odor flow 100

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1038	58.96	7.53	.354	18.92	0.0	6.27	208	100
1034	58.96	7.52	.356	18.94	0.7	5.55	204	100
1038	58.96	7.52	.357	18.94	1.3	5.06	201	100
1042	58.96	7.52	.358	18.88	1.8	4.60	199	100
1046	58.96	7.52	.358	18.95	1.5	4.59	198	100
1050	58.96	7.52	.358	18.94	1.7	4.59	197	100

Sample Time: 1052 Sample ID: 775VM0465N4

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC MG

Location and Site Code (SITEID): 775

Well No. (LOCID): 775MW-5 Well Diameter (SDIAM): 2

Date (LOGDATE): 9-24-12 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

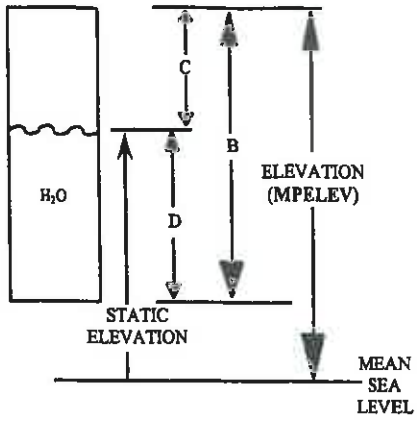
Measured Water Level Depth (C) (STATDEP) 59.39 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 70

Depth during Purging/Sampling: 59.37 ft (provide range)

Comments (re: Depth during purging/sampling): purge 1800 ml



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: Clear no odor flow 300 ml/min

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1113	59.37	7.38	1.72	18.29	0.0	7.89	213	300
1115	59.37	7.37	1.75	12.77	0.0	7.39	216	300
1117	59.37	7.37	1.77	17.71	0.0	7.17	218	300
1119	59.37	7.36	1.77	17.63	0.0	6.93	220	300
1121	59.37	7.36	1.77	17.61	0.0	6.90	221	300
1123	59.37	7.36	1.78	17.62	0.0	6.70	222	300

Sample Time: 1126 Sample ID: 775VM0570NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-07 Sampled by: PC MG

Location and Site Code (SITEID): 775

Well No. (LOCID): 775mw-6 Well Diameter (SDIAM): 2

Date (LOGDATE): 9-24-17 Weather: 65

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

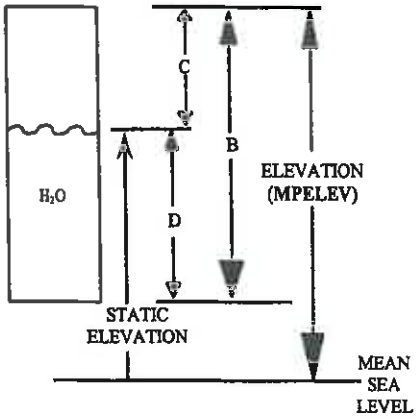
Measured Water Level Depth (C) (STATDEP) 59.68 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 73

Depth during Purging/Sampling: 59.77 (provide range) ft

Comments (re: Depth during purging/sampling): Purge 2,000 mL



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Cloudy no odor

Dissolved Ferrous Iron (mg/L): NIS

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1354	59.77	7.65	1.13	16.04	0.0	2.03	170	300
1356	59.77	7.65	1.12	16.07	0.0	1.31	171	300
1358	59.77	7.64	1.07	16.05	0.0	1.07	176	300
1400	59.77	7.64	1.07	15.88	0.0	1.00	171	300
1402	59.77	7.63	1.06	15.98	0.0	0.90	171	300
1404	59.77	7.63	1.07	15.96	0.0	1.01	172	300

Sample Time: 1408 Sample ID: 775MW0673NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC mcg

Location and Site Code (SITEID): 775

Well No. (LOCID): 775mw-8 Well Diameter (SDIAM): 2

Date (LOGDATE): 9-24-12 Weather: 65

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

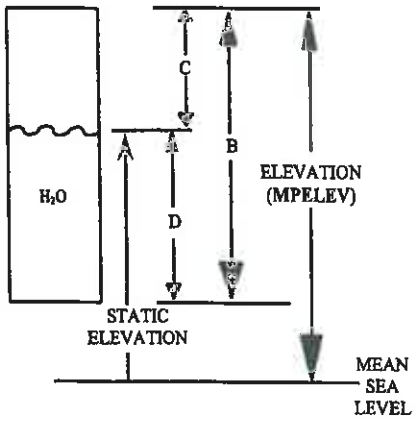
Measured Water Level Depth (C) (STATDEP) 61.08 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 73

Depth during Purging/Sampling: 61.27 (provide range) ft

Comments (re: Depth during purging/sampling): Purge 2,006



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Cloudy no odor

Dissolved Ferrous Iron (mg/L): NID

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1429	61.27	7.80	0.834	17.34	7.7	0.00	173	300
1431	61.27	7.76	0.925	17.22	5.4	0.00	173	300
1433	61.27	7.74	0.951	17.05	4.3	0.0	173	300
1435	61.27	7.74	0.978	17.05	3.6	0.0	173	300
1437	61.27	7.73	0.988	17.06	3.9	0.0	173	300
1439	61.27	7.73	1.00	17.07	4.0	0.0	173	300
1441	61.27	7.72	1.01	17.09	4.7	0.0	173	300
1443	61.27	7.72	1.02	17.09	4.3	0.0	173	300

Sample Time: 1446 Sample ID: 775VM0873NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 OBOU Sampled by: MG/SN

Location and Site Code (SITEID): BLDG 775

Well No. (LOCID): 775VMW-9 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/29/12 Weather: OVERCAST / 60°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

8
91.90
56.29
35.61
.22

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

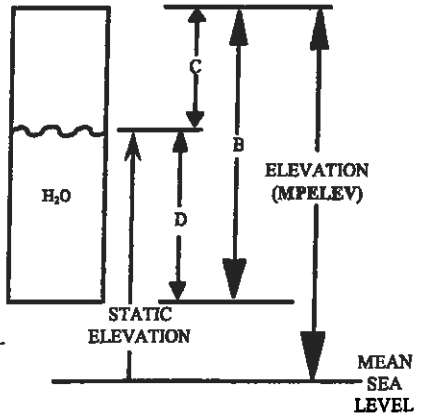
Measured Water Level Depth (C) (STATDEP) 56.39 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 92'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): 800 ml Purge Purge to first reading



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): NA

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1032	56.65	7.46	0.474	15.62	0.0	5.99	169	100
1036	56.66	7.64	0.496	15.39	0.0	4.92	165	100
1040	56.66	7.82	0.512	15.32	0.0	4.31	160	100
1044	56.67	7.96	0.524	15.42	0.0	3.77	153	100
1048	56.67	8.09	0.529	15.35	0.0	7.02	147	100
1052	56.68	8.17	0.529	15.42	0.0	6.66	140	100
1056	56.67	8.28	0.530	15.63	0.0	6.22	135	100
1100	56.67	8.30	0.530	15.52	0.0	5.96	129	100
1104	56.67	8.39	0.529	15.15	0.0	5.67	121	100
1108	56.67	8.42	0.528	14.93	0.0	5.26	110	100
1112	56.67	8.45	0.528	14.85	0.0	4.95	102	100

Sample Time: 1125 Sample ID: 775VM0992NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: OU-GW 717-06-03 Sampled by: MG / SN

Location and Site Code (SITEID): BLDG 775

Well No. (LOCID): 775VMW-9 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/24/12 Weather: OVERCAST 60°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

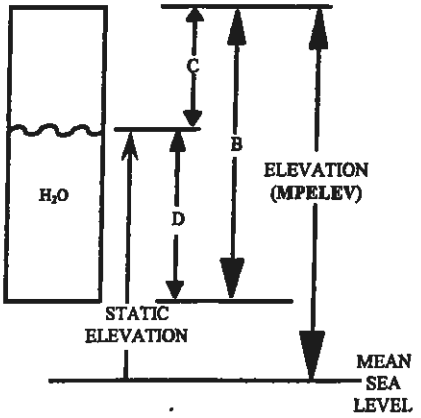
Measured Water Level Depth (C) (STATDEP) 56.39 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 92'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): 2 bottle purge



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear / no odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1116	56.67	8.46	0.527	14.85	0.0	4.80	97	100
1120	56.67	8.49	0.525	14.79	0.0	4.62	89	100

Sample Time: 1125 Sample ID: 775VM0992NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 117-0603 OBGW Sampled by: MG/SN

Location and Site Code (SITEID): BLDG 775

Well No. (LOCID): 775VMW-10 Well Diameter (SDIAM): 2"

Date (LOGDATE): 7/22/12 Weather: SUN 65°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

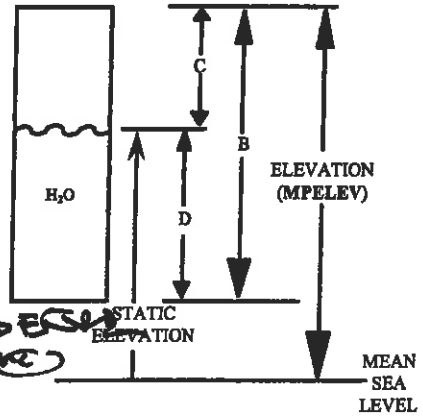
Measured Water Level Depth (C) (STATDEP) 60.71 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 95

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): 755 mL BEFORE FIRST READING



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: SALTY.. CHECK VALVE, CONSIDERABLE BACK FLOW.

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1330	60.71	8.44	0.682	17.75	0.0	7.90	176	150
1333	60.71	8.43	0.697	17.24	0.0	7.89	179	150
1336	60.71	8.42	0.696	16.96	0.0	7.92	183	150
1339	60.71	8.41	0.702	16.79	0.0	7.91	186	150
1342	60.71	8.42	0.704	16.30	0.0	7.93	190	150
~~1345~~	~~60.71~~							

Sample Time: 1349 Sample ID: 775VM1095NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

717-0603

Project: OBGW Sampled by: MG/SN

Location and Site Code (SITEID): BLDG 775

Well No. (LOCID): 775VMW-19R Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/24/12 Weather: Sunny 65°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

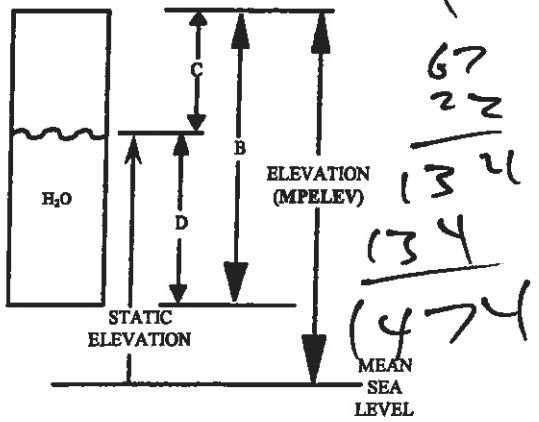
Measured Water Level Depth (C) (STATDEP) 61.38 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 67

Depth during Purging/Sampling: _____ ft (provide range) 1975

Comments (re: Depth during purging/sampling): Remove ~~400~~ mL prior to readings



1
67
22
134
134
1474

Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1540	61.52	8.64	0.161	15.80	10.9	9.97	161	200mL
1542	61.52	8.67	0.160	15.86	8.4	9.90	162	200
1544	61.52	8.70	0.157	15.80	8.1	9.85	165	200
1546	61.52	8.69	0.161	15.75	8.2	9.92	169	200
1548	61.52	8.71	0.160	15.62	8.0	9.96	171	200

Sample Time: 1551 Sample ID: 775VM19R67NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

717-06-03

Project: OBGW Sampled by: MELSN

Location and Site Code (SITEID): BLDG 775

Well No. (LOCID): ~~XX~~ 775VMW-20 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/24/12 Weather: SUN / 65°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

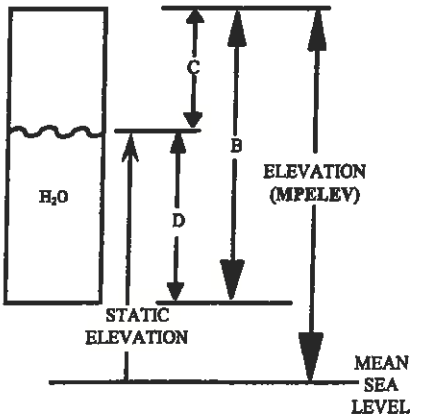
Measured Water Level Depth (C) (STATDEP) 64.72 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 115'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 1040 mL Prior to readings



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1435	64.75	7.74	0.760	15.99	0.0	1.89	48	150
1438	64.75	7.92	0.724	15.78	0.0	1.02	8	150
1441	64.75	8.01	0.718	15.91	0.0	0.64	-7	150
1444	64.75	8.07	0.710	15.82	0.0	0.52	-41	150
1447	64.75	8.13	0.705	15.88	0.0	0.34	-32	150
1450	64.75	8.17	0.702	15.94	0.0	0.26	-39	150
1453	64.75	8.20	0.703	16.07	0.0	0.14	-42	150
1456	64.75	8.21	0.701	16.11	0.0	0.10	-45	150
1459	64.75	8.22	0.697	15.93	0.0	0.80	-48	150
1502	64.75	8.24	0.697	15.79	0.0	0.78	-49	150
1505	64.75	8.23	0.697	15.78	0.0	0.73	-49	150

Sample Time: 1509 Sample ID: 775VM20115NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

717-06-03

Project: OBGW Sampled by: SN/MG

Location and Site Code (SITEID): BLDG 775

Well No. (LOCID): 775VMW-20R Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/24/12 Weather: Sunny 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

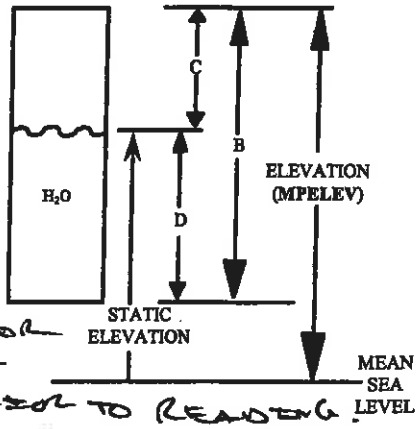
Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

Measured Water Level Depth (C) (STATDEP) 65.66 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 115'

Depth during Purging/Sampling: _____ ft (provide range)



1
115
22
230
230
2530

Comments (re: Depth during purging/sampling): 2500 mL PRIOR TO READING
ONLY PURGED 1500 mL PRIOR TO READING

Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: clear / no odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1636	65.92	8.12	0.481	17.65	0.0	2.84	-6	100
1640	65.92	8.27	0.490	17.32	0.0	2.65	-29	100
1644	65.92	8.30	0.489	17.42	0.0	2.51	-38	100
1648	65.92	8.32	0.489	17.50	0.0	2.11	-49	100
1652	65.92	8.32	0.489	17.55	0.0	1.83	-56	100
1656	65.92	8.33	0.486	17.85	0.0	1.88	-58	100
1700	65.92	8.33	0.486	17.96	0.0	1.91	-59	100
1704	65.92							100

Sample Time: 1703 Sample ID: 775VM20R115NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-A-03 Sampled by: PC MG

Location and Site Code (SITEID): 775

Well No. (LOCID): 775 MW-28 Well Diameter (SDIAM): 2

Date (LOGDATE): 9.24.12 Weather: CO

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

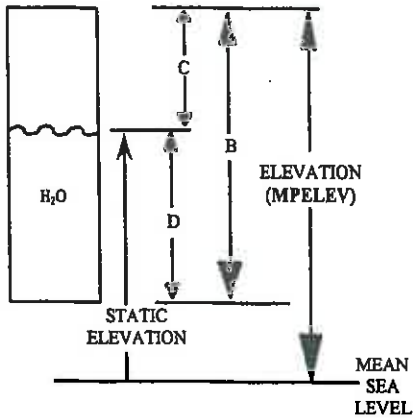
Measured Water Level Depth (C) (STATDEP) 61.75 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 80

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): purge 2,166 ml



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear No odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1535	61.94	8.54	.219	15.89	0.0	3.42	150	300
1537	61.94	8.53	.219	15.89	0.0	3.12	150	300
1539	61.94	8.54	.220	15.77	0.0	2.83	149	300
1541	61.94	8.53	.221	15.68	0.0	2.70	148	300
1543	61.94	8.52	.223	15.63	0.0	2.68	148	300
1545	61.94	8.52	.226	15.70	0.0	2.44	148	300
1547	61.94	8.51	.227	15.69	0.0	2.42	148	300
1549	61.94	8.50	.227	15.64	0.0	2.44	148	300

Sample Time: 1550 Sample ID: 775M2880N/A NL NS NO

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 735-717-06-03 Sampled by: PL MG

Location and Site Code (SITEID): 775

Well No. (LOCID): 775-GW-1 Well Diameter (SDIAM): 4

Date (LOGDATE): 9-24-12 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

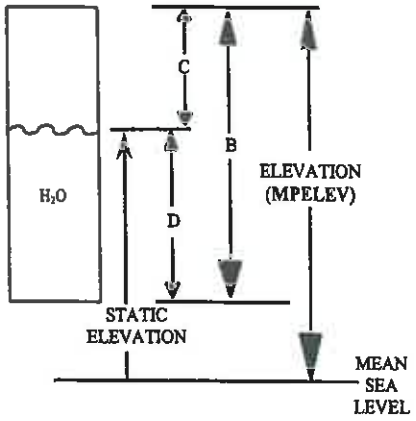
Measured Water Level Depth (C) (STATDEP) 59.07 ft.

Length of Static Water Column (D) = (B) _____ - (C) _____ = (D) _____ ft. (optional)

Pump Intake Depth (ft): 75

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): purge 1900 mL



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Cloudy no odor

Dissolved Ferrous Iron (mg/L): NA

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1217	59.21	7.58	1.45	18.11	309	8.05	165	300
1219	59.21	7.58	1.44	17.83	305	7.68	165	300
1221	59.21	7.58	1.44	17.81	282	7.44	165	300
1223	59.21	7.58	1.44	17.73	253	7.28	165	300
1225	59.21	7.58	1.44	17.77	219	7.18	164	300
1227	59.21	7.58	1.44	17.78	217	7.20	164	300
1229	59.21	7.58	1.44	17.77	216	7.17	162	300

Sample Time: 1230 Sample ID: 775E0175NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC MG

Location and Site Code (SITEID): 775

Well No. (LOCID): MH-2/775EF-1 Well Diameter (SDIAM): Effluent Sump

Date (LOGDATE): 9-24-12 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) – ft. (optional)

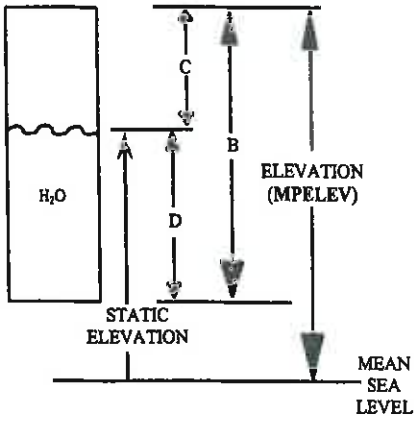
Measured Water Level Depth (C) (STATDEP) – ft.

Length of Static Water Column (D) = (B) – (C) = (D) ft. (optional)

Pump Intake Depth (ft): –

Depth during Purging/Sampling: – ft (provide range)

Comments (re: Depth during purging/sampling): –



Purge Date and Method: ~~BLADDER PUMP~~ Scoop

Physical Appearance/Comments: Clear no odor

Dissolved Ferrous Iron (mg/L): NM

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1135	–	7.56	1.05	18.84	5.0	4.66	201	–

Sample Time: 1136 Sample ID: 775EF0101NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 9/24/12

CALIBRATOR(S) NAME: MICHAEL GREASE

EQUIPMENT SUPPLIER(S): FPM

PHOTOIONIZATION DETECTOR

Equipment Model:

Serial Number:

Calibration Gas (circle): Isobutylene 100 ppm or Other: N/A

NOTES:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER

Equipment Model: HORIBA U-52 #1

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	YES / NO	4.12	
Conductivity Standard:	4.49 mS/cm	4.50	YES / NO	4.51	
Turbidity Standard:	0 NTU	0.0	YES / NO	8.1	
		Temperature/ Saturation		Temperature/ Saturation	
Dissolved Oxygen ~~Dump Test~~:	0.0 mg/L	N/A	YES / NO	N/A	
CAL	Fresh Air Saturation (mg/L)	8.72 24°C/9.08	YES / NO	N/A	Saturation temperature dependent.

GROUNDWATER QUALITY METER

Equipment Model: HORIBA U-52 #2

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.01	YES / NO	4.10	
Conductivity Standard:	4.49 mS/cm	4.49	YES / NO	4.39	
Turbidity Standard:	0 NTU	0.0	YES / NO	6.7	
		Temperature/ Saturation		Temperature/ Saturation	
Dissolved Oxygen ~~Dump Test~~:	0.0 mg/L	N/A	YES / NO	N/A	
CAL	Fresh Air Saturation (mg/L)	8.72 24°C/9.08	YES / NO	N/A	Saturation temperature dependent.

OTHER

AFCEE
CHAIN OF CUSTODY RECORD

2 of 2

COC#: _A_ SDG#: ~~_276_~~ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: K. Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
775VM0465NA	775VMW-4	9/24	1052	WG	BP	N	0/0	3	3	
775VM0570NA	775VMW-5	9/24	1126	WG	BP	N	0/0	3	3	
775M0673NA	775MW-6	9/24	1408	WG	BP	N	0/0	3	3	
775VM0873NA	775VMW-8	9/24	1446	WG	BP	N	0/0	3	3	
775VM0992NA	775VMW-9	9/24	1125	WG	BP	N	0/0	3	3	
775VM1095NA	775VMW-10	9/24	1349	WG	BP	N	0/0	3	3	
775VM19R67NA	775MW-19R	9/24	1551	WG	BP	N	0/0	3	3	
775M20115NA	775MW-20	9/24	1509	WG	BP	N	0/0	3	3	
775VM20R115NA	775VMW-20R	9/24	1703	WG	BP	N	0/0	3	3	
775M2880NA	775MW-28	9/24	1550	WG	BP	N	0/0	3	3	
775M2880NC	775MW-28	9/24	1550	WG	BP	FD	0/0	3	3	
775M2880NS	775MW-28	9/24	1550	WG	BP	MS	0/0	3	3	
775M2880ND	775MW-28	9/24	1550	WG	BP	SD	0/0	3	3	
775E0175NA	775EW-1	9/24	1230	WG	BP	N	0/0	3	3	
775EF0101NA	775EF-1	9/24	1136	WG	G	N	0/0	3	3	

092412NE	FIELDQC	9/24	0830	WQ	BP	EB	0/0	3	3	
092412NF	FIELDQC	9/24	1142	WQ	NA	AB	0/0	3	3	
092412NR	FIELDQC	9/24	0915	WQ	NA	TB	0/0	2	2	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:
Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9-26-12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time:	Company Name: Life Science Labs	Time: 0923	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 9/24/2012

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: No

Any required corrective action: No

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 9/24/2012 *Time :* 0900

Location: FPM office (garage)

Weather Conditions: 54°F SW 7mpH, Few Clouds, drizzled

Meeting Type: Daily Health and Safety

Personnel Present:
Mark Gorfasi, Mike Gorfasi, Pete Corigliano, Spencer Noyes

Visitors Present: NA

Visitor Training: NA

PPE Required: Modified D

Possible risks, injuries, concerns:
slip trip falls, Road (perimeter) hazards

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):
N/A

Property Damage:
N/A

Description (include sequence of events describing step by step how incident happened):
N/A

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):
N/A

Report made by (Name): Katrina J. Matrice

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03

AHA Number: 1

Job Location: B775

Date: 9/24/12

Name of Trainer: Katrina Mathis

Subjects/AHAs Covered: slip trips falls, Road hazards

Training Aids Used: N/A

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Katrina Mattice Date: 9/24/12

Current Weather Conditions:

Temperature (°F) = 54 Wind Direction = W Wind Speed = 7

Clear - Sunny – Cloudy – Rain - Snow Forecast = P. Cloudy

Current Site Conditions (circle as appropriate): Dry - Wet - Muddy - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☒ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities: slip, trip, falls, Road Hazards

3. Activities Taking Place Today: low flow sampling @ B775

3. Anticipated Hazards: Road safety, manhole lid.

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards: level D, steel toe, safety glasses

5. Additional Safety Topic or Comments: N/A

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Peter Corigliano		FPM
Mark Grifasi		FPM
Michael Grifasi		FPM
Spencer Noyes		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: 717-06-03 Date: 9/24/12

Name: On Base Construction PM Time: 1600

Any items that have been found deficient must be corrected before work or use.

This checklist includes, but is not limited to, the following:

	Yes	No
Safe Access and Workspace		
Are safe access and adequate space for movement available for:		
Emergencies	✓	
Work area	✓	
Walkways and passageways	✓	
Are ladders, stairways, and elevators properly located and functioning?	N/A	
Is protection provided for floor and roof openings?	N/A	
Is overhead protection provided for all areas of exposure?	N/A	
Is lighting adequate?	✓	
Planning Work for Safety		
Are employees provided with all required protective equipment?	✓	
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?	✓	
Is all temporary flooring, safety nets, and scaffolding provided where required?	✓	
Utilities and Services Identification	N/A	
High voltage lines	N/A	
Have all been identified by signs?	N/A	
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?	N/A	
Sanitary Facilities		
Drinking water	✓	

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

	YES	NO	N/A
Are toilet facilities adequate?			
Work Procedures – Materials Handling			
Is material handling space adequate?	✓		
Is material handling equipment adequate and proper?	✓		
Is material handling equipment in good condition?	✓		
Physicals Hazards			
Slip, trip, fall hazards	✓		
Heat or cold stress	✓		
Pinch points	✓		
Insect bites	✓		
Muscle strain from improper lifting	✓		
Noise exposure			N/A
Chemical Hazards			
Inhaling, touching, ingesting contaminants	✓		
Review and Reporting			
AHAs reviewed daily?	✓		
Incidents/Near Miss reported?			N/A
Other (e.g., tunnels, excavations, shafts)			

Comments:

_____

_____

_____

_____

_____

(Use additional pages if necessary)

DECONTAMINATION CHECKLIST

Project Name/Number: 717-06-03, OBOW PM

Site: BTS

Boring/Monitoring Well Number(s): 775MW-4, -5, -8, -9, -10, -20R, 775MW-6, -19R, -20, -28, 775EW-1, 775EF-1

Date: 09/24/12

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions:

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: Katrina J. Mattrec

Printed Name and Title: Katrina Mattrec, FOM

Date: 09/24/12

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: 717-06-03 / OBGW PM

Site: Building 775

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	**Yes**	**No**	**N/A**
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Field sampling form	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: NA

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: Katrina J. Mattice

Printed Name and Title: Katrina Mattice, FOM

Date: 09/24/12

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: 717-06-03 / OBGW PM

Monitoring Well Number(s): 775VMW-4, -5, -8, -9, -10, -20R, 775MW-6, -19, -20, -28, 77SEW-1, 77SEF-1

Sampling Date: 09/24/12

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☒	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☒	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☒	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☒	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☒	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☒	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☒	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☒	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☒	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☒	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☒	☐	☐	☐
12. Was a field sampling form completed?	☒	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☒	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☒	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☒	☐	☐	☐

Corrective Actions: NA

QC Inspectors Signature: Katrina J Mattra

Date: 9/24/12

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: 717-06-03, OBGWPM

Site: Building 775

Monitoring Well Number(s): 775VMW-4, -5, -8, -9, -10, -20R, 775MW-6, -19R, -20, -28, 775EW-1, 775EF-1

Residential Well(s): NA

Sampling Date: 09/24/12

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Packing, Storing, and Shipment of Samples	Yes	No	N/A
1. Were the samples handled according to the Work Plans?	☑	☐	☐
2. Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3. Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4. Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5. Were CoC forms signed and dated by the preparer, placed in a resealable plastic bag, and the bag taped to the inside of the cooler lid?	☑	☐	☐
6. Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7. Was a shipping label attached to the cooler?	☐	☐	☑
8. Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: Kathleen J. Mattice

Date: 09/24/12

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 9/25/12

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Apron 2, Building 775).

Weather conditions: Average temperature: 66°F Average barometric reading: 30.05
Wind direction and speed: South 8 mph
Significant wind changes: None

General description of tasks completed: Bladder pump sampling at site Building 775 (775MW-27). Bladder pump sampling at Apron 2 (AP2MW-3, 782VMW-76, -78, -81, -84, -84D, -96, -100, 782MW-10)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

---

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: Monitoring well 782VMW-100 had poor recharge therefore drawdown was sacrificed.

Corrective actions taken or instructions obtained from AFCEE personnel: Inspect bladder pump, possibly redevelop monitoring well.

Sampling shipment completed: √ Yes □ No LSL Courier.

DCQCR Prepared by: Katrina Mattice, FOM Date: 9/25/12

CQCC Signature: Cornelia van Hoesel Date: 10/4/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JD MG

Location and Site Code (SITEID): B775

Well No. (LOCID): 775MW-27 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny, 60s

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) ~~_____~~ ft. (optional)

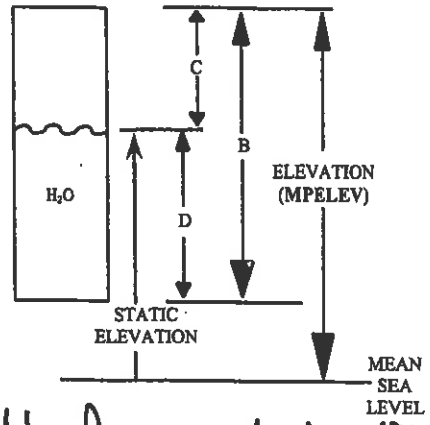
Measured Water Level Depth (C) (STATDEP) 58.79 ft.

Length of Static Water Column (D) = ~~___~~ (B) - ~~___~~ (C) = ~~___~~ (D) ft. (optional)

Pump Intake Depth (ft): 71'

Depth during Purging/Sampling: 58.82 - 58.89 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / Bladder Pump extends w/Ft above Casing

Physical Appearance/Comments: Removed 1.962L of Water before purge, Water is Clear, No odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1038	58.82	7.11	0.575	18.55	0.0	7.35	130	200
1040	58.82	7.51	0.583	18.63	0.0	6.47	101	200
1042	58.82	7.39	0.547	19.38	0.0	6.38	105	200
1044	58.82	7.06	0.695	18.60	0.0	5.59	145	200
1046	58.82	7.38	0.585	19.71	0.0	4.68	103	200
1048	58.82	7.36	0.545	18.81	0.0	5.00	105	200
1050	58.82	7.54	0.393	18.75	0.0	5.57	115	200
1052	58.82	7.54	0.624	18.35	0.0	5.09	128	200
1054	58.82	7.53	0.701	1850	0.0	5.61	151	200
1056 JD	58.82	7.54	0.690	18.65	0.0	4.97	139	200
1058	58.82	7.51	0.704	18.48	0.0	4.97	131	200

Sample Time: 1109 Sample ID: 775M2771NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JO/MG

Location and Site Code (SITEID): B775

Well No. (LOCID): 775MW-27 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny, 60s

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) ~~_____~~ ft. (optional)

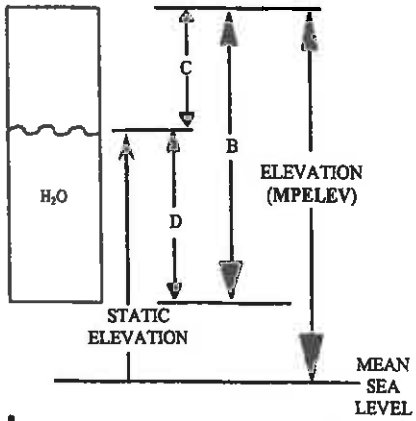
Measured Water Level Depth (C) (STATDEP) 58.79 ft.

Length of Static Water Column (D) = (B) − (C) = (D) ft. (optional)

Pump Intake Depth (ft): 71

Depth during Purging/Sampling: 58.82 - 58.89 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / Bladder pump extends above TOIC ~1!

Physical Appearance/Comments: Removed 1926 mL H_2O prior to readings to purge line

Dissolved Ferrous Iron (mg/L): Water is Clear, No odor Noticed Change in readings and fluctuation in measurements when H_2O entered Horiba

Well is former extraction well.

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1100	58.82	7.51	0.701	18.76	1.3	5.10	112	200
1102	58.82	7.54	0.698	18.47	1.7	5.03	114	200
1104	58.82	7.55	0.699	18.81	2.1	5.22	119	200

Sample Time: 1108 Sample ID: 775M2771NA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JD MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): AP2MW-3 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny, 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

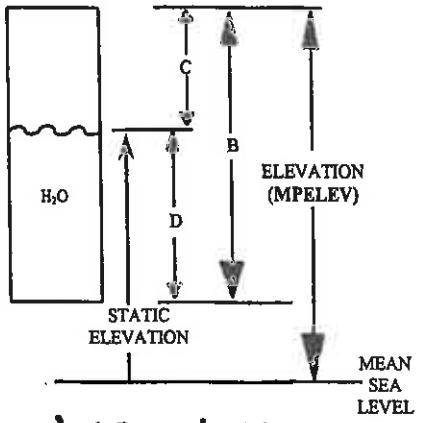
Measured Water Level Depth (C) (STATDEP) 20.30 ft.

Length of Static Water Column (D) = ___ (B) - ___ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 40

Depth during Purging/Sampling: 20.30 - 20.35 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / Removed 1,280mL H_2O prior to Horiba Readings

Physical Appearance/Comments: Clear, to Silty orange, some floc then Clear again

Dissolved Ferrous Iron (mg/L): 4.2

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1515	20.32	6.86	0.707	17.49	31.0	0.00	-88	250
1517	20.32	6.83	0.704	17.33	24.4	0.00	-87	250

Sample Time: ~~1720~~ JD 1520 Sample ID: AP2M0346KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JD MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): AP2MW-3 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny, 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

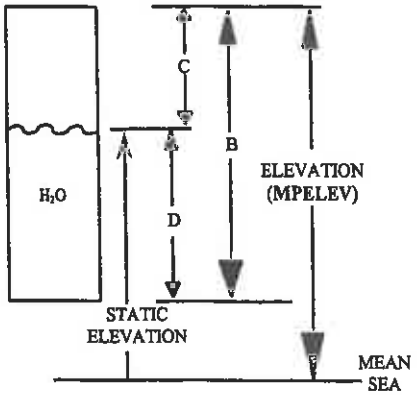
Measured Water Level Depth (C) (STATDEP) 20.30 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 40

Depth during Purging/Sampling: 20.30 - 20.35 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Removed 1,280mL H_2O Prior to Collecting horiba readings

Physical Appearance/Comments: Clear becoming Cloudy orange, Some Floc, Slight Sulfur odor Then cleared up.

Dissolved Ferrous Iron (mg/L): 4.2

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1453	20.32	6.85	0.699	17.65	74.9	0.00	-90	250
1455	20.32	6.85	0.687	16.80	641	0.00	-90	250
1457	20.32	6.89	0.669	16.98	605	0.00	-91	250
1459	20.32	6.86	0.687	16.93	380	0.00	-91	250
1501	20.32	6.86	0.698	16.86	268	0.00	-91	250
1503	20.32	6.86	0.708	17.86	193	0.00	-91	250
1505	20.32	6.85	0.706	17.60	122	0.00	-90	250
1507	20.32	6.87	0.695	17.50	95.1	0.00	-89	250
1509	20.32	6.82	0.703	17.27	65.2	0.00	-89	250
1511	20.32	6.86	0.703	17.13	53.8	0.00	-90	250
1513	20.32	6.86	0.712	17.30	39.9	0.00	-88	250

Sample Time: 1520 Sample ID: AP2M0340kA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 11-06-03 OBGW Sampled by: SN / PC

Location and Site Code (SITEID): APRON 2

Well No. (LOCID): WL-782VMW-76 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: SUNNY 70°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

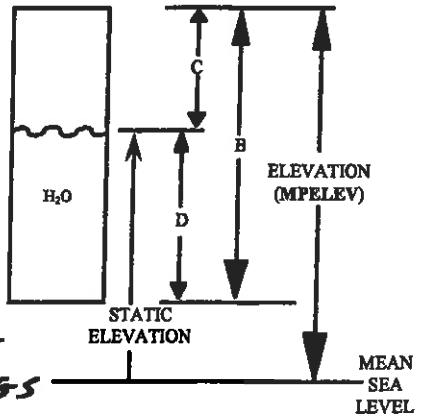
Measured Water Level Depth (C) (STATDEP) 20.78 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 38

Depth during Purging/Sampling: 20.91 ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 1250 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): 3.6

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1315	20.91	7.67	0.586	19.95	129	1.91	-94	200
1317	20.91	7.66	0.587	20.09	115	1.42	-94	200
1319	20.91	7.65	0.588	20.10	104	1.19	-95	200
1321	20.91	7.65	0.585	20.33	95.8	1.02	-95	200
1323	20.91	7.65	0.589	20.27	89.9	0.91	-95	260
1325	20.91	7.65	0.588	20.20	81.9	0.78	-97	200
1327	20.91	7.65	0.588	20.41	80.1	0.70	-99	200
1329	20.91	7.64	0.588	20.60	73.4	0.69	-99	200
1331	20.91	7.63	0.586	20.68	73.1	0.67	-100	200

Sample Time: 1335 Sample ID: 782VM7638KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 OBGW Sampled by: SN / PC

Location and Site Code (SITEID): ARRAY 2

Well No. (LOCID): WL-782VMW-78 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: SUNNY 55° F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

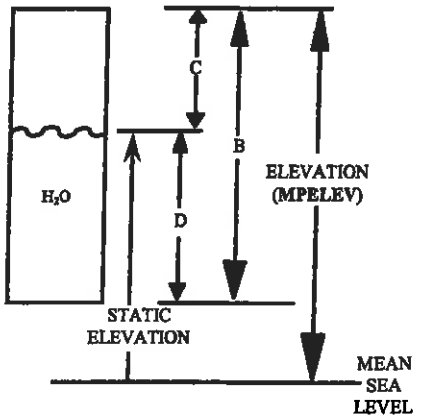
Measured Water Level Depth (C) (STATDEP) 24.45 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 40'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): Remove 1280 mL prior to readings



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLOUDY ORANGE NO ODOR

Dissolved Ferrous Iron (mg/L): 1.6

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1002	24.57	7.46	0.383	15.22	139	10.86	-75	300
1004	24.57	7.50	0.386	15.12	81	10.80	-79	300
1006	24.57	7.57	0.382	15.12	60.1	10.59	-81	300
1008	24.57	7.61	0.387	15.13	43.3	10.79	-85	300
1010	24.57	7.64	0.382	15.09	90	10.48	-86	300
1012	24.57	7.63	0.386	15.12	89	10.89	-95	300
1014	24.57	7.65	0.390	15.00	87	10.66	-98	300
1016	24.57	7.65	0.391	14.97	86	10.47	-97	300

Sample Time: 1019 Sample ID: 782VM7840KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 712-06-03 BGW Sampled by: SN PC

Location and Site Code (SITEID): APRON 2

Well No. (LOCID): WL-782VMW-81 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny 65°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

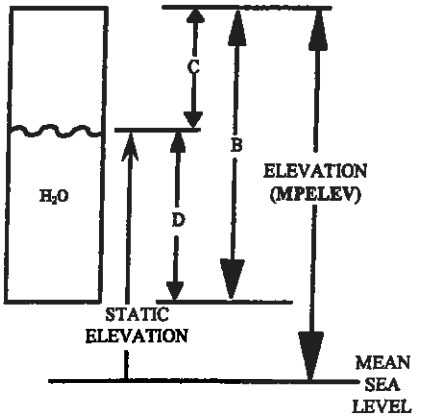
Measured Water Level Depth (C) (STATDEP) 21.65 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 46

Depth during Purging/Sampling: 21.92 ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 1450 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLOUDY NO ODOR

Dissolved Ferrous Iron (mg/L): 0.6

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1104	21.92	7.94	0.409	16.23	0.0	2.08	-49	200
1106	21.92	7.96	0.406	16.24	0.0	2.00	-50	200
1108	21.92	7.96	0.404	16.38	0.0	1.87	-50	200
1110	21.92	7.95	0.402	16.62	0.0	1.97	-50	200
1112	21.92	7.94	0.402	16.79	0.0	2.01	-50	200

Sample Time: 1115 Sample ID: 782VM8146KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JD MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): WL-782VMW-84 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny, 60s

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) ~~—~~ ft. (optional)

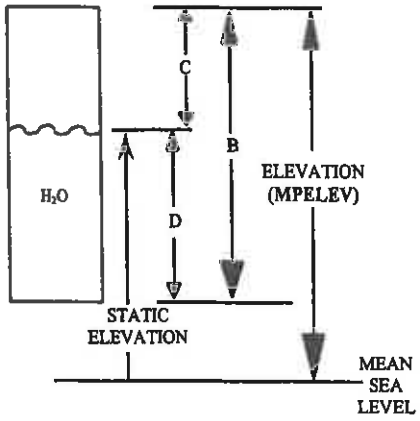
Measured Water Level Depth (C) (STATDEP) 23.10 ft.

Length of Static Water Column (D) = — (B) - — (C) = — (D) ft. (optional)

Pump Intake Depth (ft): 40

Depth during Purging/Sampling 23.14-23.24 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Removed 1,280mL H_2O prior to Collecting Horiba Readings Water is Clear, No odor

Dissolved Ferrous Iron (mg/L): 3.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1205	23.15	6.95	0.503	18.79	0.0	0.00	-128	200
1207	23.15	6.96	0.494	19.06	0.0	0.00	-129	200
1209	23.15	6.95	0.501	18.72	0.0	0.00	-130	200
1211	23.15	6.95	0.498	18.55	0.0	0.00	-129	200
1213	23.15	6.95	0.500	18.63	0.0	0.00	-129	200

Sample Time: 1216 Sample ID: 782VM8440KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JD MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): WL-782VMW-84D Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny, 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) ~~~~ ft. (optional)

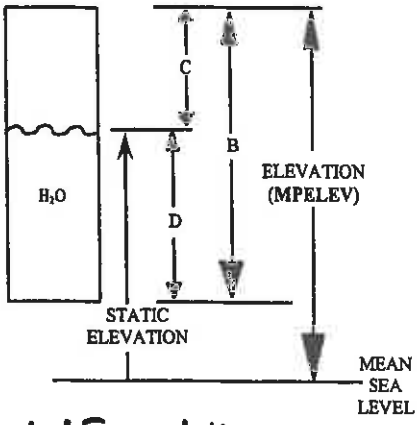
Measured Water Level Depth (C) (STATDEP) 22.81 ft.

Length of Static Water Column (D) = ~ (B) - ~ (C) = ~ (D) ft. (optional)

Pump Intake Depth (ft): 50'

Depth during Purging/Sampling: 22.82 - 22.96 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / Removed 1,500 mL H_2O prior to Collecting Hor. bar readings

Physical Appearance/Comments: Water is Clear, No odor

Dissolved Ferrous Iron (mg/L): 3.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1302	22.85	6.26	0.571	18.42	25.6	5.17	-97	200
1304	22.87	6.92	0.572	17.65	17.9	0.00	-97	200
1306	22.87	6.93	0.571	17.63	16.4	0.00	-97	200
1308	22.87	6.93	0.558	17.54	13.2	0.00	-98	200
1310	22.87	6.94	0.559	17.77	9.7	0.00	-99	200

Sample Time: 1314 Sample ID: 782VM84D50KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1170B-03 OBGW Sampled by: SN / PC

Location and Site Code (SITEID): APRON 2

Well No. (LOCID): WL-782VMW-96 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny 75°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

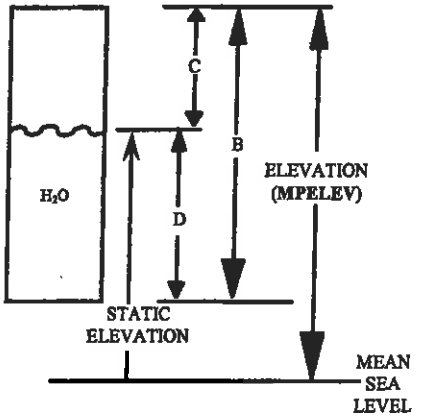
Measured Water Level Depth (C) (STATDEP) 21.82 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 37'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): REMOVE 1250 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR No ODOR

Dissolved Ferrous Iron (mg/L): 2.6

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1430	21.89	7.58	0.623	19.72	21.2	1.17	-64	300
1432	21.89	7.54	0.625	19.44	16.9	0.59	-69	300
1434	21.89	7.51	0.630	19.24	11.4	0.24	-72	300
1436	21.89	7.51	0.629	18.95	7.2	0.05	-73	300
1438	21.89	7.50	0.630	18.87	10.0	0.00	-74	300
1440	21.89	7.50	0.631	18.72	6.6	0.00	-76	300
1442	21.89	7.51	0.630	18.57	6.6	0.00	-77	300
1444	21.89	7.51	0.629	18.47	6.4	0.00	-78	300

Sample Time: 1447 Sample ID: 782VM9631KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JD MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): WL-782VMW-100 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny, 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) ~ ft. (optional)

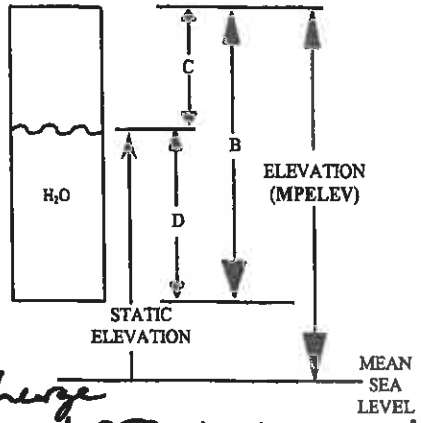
Measured Water Level Depth (C) (STATDEP) 16.15 ft.

Length of Static Water Column (D) = ~ (B) - ~ (C) = ~ (D) ft. (optional)

Pump Intake Depth (ft): 25

Depth during Purging/Sampling: 16.79 - 17.39 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Poor Recharge

Purge Date and Method: BLADDER PUMP / Removed 950 mL H_2O prior to Horiba Readings

Physical Appearance/Comments: Lots of Iron floc, Bad draw down, have to maintain flow rate of 100mL/min Sacrifice draw down Silty orange No odor

Dissolved Ferrous Iron (mg/L): 0.4

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1609	16.79	6.95	0.602	19.42	>999	0.00	94	100
1612	16.99	6.94	0.637	18.89	>999	0.00	99	100
1616	17.06	6.94	0.642	18.66	7999	0.00	100	100
1620	17.23	6.94	0.646	18.55	7999	0.00	103	100
1624	17.39	6.94	0.651	18.54	7999	0.00	101	100

Sample Time: 1630 Sample ID: 782VM100250A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 77-00-03 BGW Sampled by: SN PC

Location and Site Code (SITEID): APRON 2

Well No. (LOCID): WL-782MW-10 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/25/12 Weather: Sunny 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

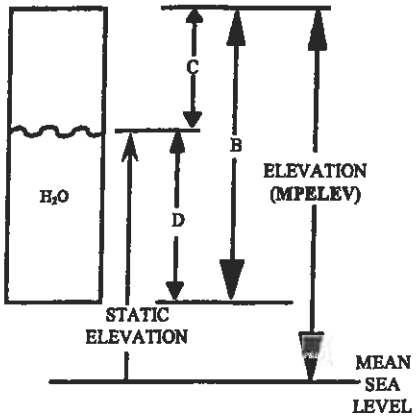
Measured Water Level Depth (C) (STATDEP) 21.96 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 27'

Depth during Purging/Sampling: 21.96 - 22.04 ft (provide range)

Comments (re: Depth during purging/sampling): REMOVE 1000 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR / NO ODOR

Dissolved Ferrous Iron (mg/L): 3.5

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1515	21.96	7.39	0.438	18.32	162	0.53	-90	200
1517	21.96	7.41	0.439	18.26	118	0.27	-94	200
1519	21.96	7.42	0.439	18.31	117	0.22	-97	200
1521	21.96	7.44	0.438	18.26	91.2	0.23	-99	200
1523	21.96	7.45	0.440	18.52	81.9	0.02	-100	200
1525	21.96	7.46	0.439	18.46	66.9	0.00	-101	200
1527	21.96	7.46	0.438	18.16	63.4	0.00	-102	200
1529	21.96	7.48	0.438	18.22	57.9	0.00	-102	200
1531	21.96	7.46	0.439	18.38	67.0	0.00	-102	200
1537	21.96	7.47	0.438	18.21	67.2	0.00	-101	200
1535	21.96	7.47	0.438	18.27	67.1	0.00	-101	200

Sample Time: 1537 Sample ID: 782M1027KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 9/25/12

CALIBRATOR(S) NAME: Katrina Mattice

EQUIPMENT SUPPLIER(S): FPM

PHOTOIONIZATION DETECTOR

Equipment Model: N/A

Serial Number:

Calibration Gas (circle): Isobutylene 100 ppm or Other:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

NOTES:

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER

Equipment Model: Horiba U-52 #1

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	YES / NO	4.05	
Conductivity Standard:	4.49 mS/cm	4.49	YES / NO	4.44	
Turbidity Standard:	0 NTU	0.0	YES / NO	0.3	
		Temperature/ Saturation		Temperature/ Saturation	
Dissolved Oxygen Bump Test:	~~0.0 mg/L~~	N/A	YES / NO	N/A	
	Fresh Air Saturation (mg/L)	8.77 / 9.38	YES / NO See Note	N/A	Saturation temperature dependent.

GROUNDWATER QUALITY METER

Equipment Model: Horiba U-52 #2

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	YES / NO	4.05	
Conductivity Standard:	4.49 mS/cm	4.5	YES / NO	4.38	
Turbidity Standard:	0 NTU	0.0	YES / NO	1.35	
		Temperature/ Saturation		Temperature/ Saturation	
Dissolved Oxygen Bump Test:	~~0.0 mg/L~~	N/A	YES / NO	N/A	
	Fresh Air Saturation (mg/L)	8.54 / 9.23	YES / NO See Note	N/A	Saturation temperature dependent.

OTHER

Horiba #2 – bump test @23°C DO = 9.23 mg/L

Horiba #1 – bump test @23°C DO = 9.23 mg/L

Manually calibrated both horibas to ~ temperature of 23°C

AFCEE
CHAIN OF CUSTODY RECORD

282

COC#: _A_ SDG#: ~~276~~ _ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
775M2771NA	775MW-27	9/25	1108	WG	BP	N	0/0	3	3	

Sample Condition Upon Receipt at Laboratory:

Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0 Cooler temperature:

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Mattice	Date: 9-26-12	#3 Released by: (Sig)	Date:		
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name:	Time:		
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donelson	Date: 9-26-12	#3 Received by: (Sig)	Date:		
Company Name: FPM Group Ltd	Time:	Company Name: Life Science Labs	Time: 0925	Company Name:	Time:		

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

AFCEE
CHAIN OF CUSTODY RECORD

232

COC#: _A_ SDG#: ~~27617~~ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: K. Mattice	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
AP2M03[illegible]KA	AP2MW-3	9/25	1520	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM7638KA	WL-782VMW-76	9/25	1335	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM7840KA	WL-782VMW-78	9/25	1019	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM8146KA	WL-782VMW-81	9/25	1115	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM8440KA	WL-782VMW-84	9/25	1216	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM84D50KA	WL-782VMW-84D	9/25	1314	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM9637KA	WL-782VMW-96	9/25	1447	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM10025KA	WL-782VMW-100	9/25	1630	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782M1027KA	WL-782MW-10	9/25	1537	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
092512KE	FIELDQC	9/25	0850	WQ	NA	EB	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
092512KF	FIELDQC	9/25	1103	WQ	NA	AB	0/0	3	3	-	-	-	
092512KR	FIELDQC	9/25	0852	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Alkalinity: method SM2320B.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Mastrel	Date: 9-26-12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 0925	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 9/25/12

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: NA

Any required corrective action: NA

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 9/25/12 *Time :* 0900

Location: FPM office (garage)

Weather Conditions: 66°F, S 8mph, Clear

Meeting Type: Daily Health and Safety

Personnel Present:
Spencer Noyes, Peter Corigliano, Justan Damann, Mark Grifasi

Visitors Present: Amy Darpinian

Visitor Training: NA

PPE Required: Modified D

Possible risks, injuries, concerns:
working under Airplane / on airfield

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):
NA

Property Damage:
NA

Description (include sequence of events describing step by step how incident happened):
NA

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):
NA

Report made by (Name): Katrina J. Mather

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03
AHA Number: 2
Job Location: B775/AP2

Date: 9/25/12

Name of Trainer: Katrina Mattice

Subjects/AHAs Covered: Working in Airfield

Training Aids Used: N/A

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Katrina Mattice Date: 9/25/12

Current Weather Conditions:

Temperature (°F) = 66 Wind Direction = S Wind Speed = 8mph

(Clear) - Sunny – Cloudy – Rain - Snow Forecast = clear

Current Site Conditions (circle as appropriate): (Dry) - Wet - Muddy - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☒ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities:

working under airplane

3. Activities Taking Place Today: low flow Sampling @ B725 and Apron 2

3. Anticipated Hazards: slip trip falls, working in Airfield

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards:

Level D ppe, safety light on Vehicle

5. Additional Safety Topic or Comments: NA

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Spencer Noyes		FPM
Peter Corigliano		FPM
Mark Gallagher		FPM
Justin Damcann		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: 717-06-03 Date: 9/25/12

Name: GBGW PM Time: 1000

Any items that have been found deficient must be corrected before work or use.

This checklist includes, but is not limited to, the following:

	Yes	No
Safe Access and Workspace		
Are safe access and adequate space for movement available for:		
Emergencies	✓	
Work area	✓	
Walkways and passageways	✓	
Are ladders, stairways, and elevators properly located and functioning?	NA	
Is protection provided for floor and roof openings?	NA	
Is overhead protection provided for all areas of exposure?	NA	
Is lighting adequate?	✓	
Planning Work for Safety		
Are employees provided with all required protective equipment?	✓	
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?	✓	
Is all temporary flooring, safety nets, and scaffolding provided where required?	✓	
Utilities and Services Identification	NA	
High voltage lines	NA	
Have all been identified by signs?	NA	
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?	NA	
Sanitary Facilities		
Drinking water	✓	

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

	YES	NO
Are toilet facilities adequate?		
Work Procedures – Materials Handling	✓	
Is material handling space adequate?	✓	
Is material handling equipment adequate and proper?	✓	
Is material handling equipment in good condition?		
Physicals Hazards	✓	
Slip, trip, fall hazards	✓	
Heat or cold stress	✓	
Pinch points	✓	
Insect bites	✓	
Muscle strain from improper lifting	NA	
Noise exposure		
Chemical Hazards	✓	
Inhaling, touching, ingesting contaminants		
Review and Reporting	✓	
AHAs reviewed daily?	NA	
Incidents/Near Miss reported?		
Other (e.g., tunnels, excavations, shafts)		

Comments:

_____

_____

_____

_____

_____

(Use additional pages if necessary)

DECONTAMINATION CHECKLIST

Project Name/Number: 717-06-03, OBGW PM

Site: B775 / AP2

Boring/Monitoring Well Number(s): 775MW-27, AP2MW-3, 782VMW-76, 78, 81, 84, 84D, 96, 100, 782MW-10

Date: 9/25/12

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions:

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: Katrina J. Mathes

Printed Name and Title: Katrina Mathes, PDM

Date: 09/25/12

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: 717-06-03/GBGW PM

Site: B775, Apron 2

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	**Yes**	**No**	**N/A**
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Field sampling form	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: N/A

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: Katrina J. Matrice

Printed Name and Title: Katrina Matrice, FOM

Date: 9/25/12

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: 717-06-03/OBGWPM

Monitoring Well Number(s): AP2MW-3, 782VMW-76, -78, -81, -84, -84D, -96, -100, 782MW-10

Sampling Date: 09/25/12

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☒	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☒	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☒	☐	☐	☐

Corrective Actions: NA

QC Inspectors Signature: Katherine Matrea

Date: 9/25/12

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: 717-06-03 / OBGW PM

Site: B775, Apron 2

Monitoring Well Number(s): 775MW-27, AP2MW-3, 782VMW-76, -78, -81, -84, -84P, -96, -100, 782MW-10

Residential Well(s): NA

Sampling Date: 09/25/12

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Packing, Storing, and Shipment of Samples	Yes	No	N/A
1. Were the samples handled according to the Work Plans?	☑	☐	☐
2. Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3. Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4. Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5. Were CoC forms signed and dated by the preparer, placed in a resealable plastic bag, and the bag taped to the inside of the cooler lid?	☑	☐	☐
6. Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7. Was a shipping label attached to the cooler?	☐	☐	☑
8. Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: Katrina J Mathew

Date: 09/25/12

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 9/26/12

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Apron 2, Building 817).

Weather conditions: Average temperature: 65°F Average barometric reading: 30.01
Wind direction and speed: Southeast 5 mph
Significant wind changes: None

General description of tasks completed: Bladder pump sampling at site Apron 2 (782VMW-101, -105B, -121, and -121D). Surface water sampling at site Apron 2 (782SW-115, -118, and -119). Bladder pump sampling at Building 817 (LAWMW-9, WSA-MW8, -16, -18, and WSA-VMW17).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: Anions were not collected at monitoring well WSA-MW18, collection occurred the following day.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE personnel: None

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Sampling shipment completed: √ Yes □ No LSL Courier.

DCQCR Prepared by: Katrina Mattice, FOM Date: 9/26/12

CQCC Signature: Amanda Mitchell Date: 10/4/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC MG

Location and Site Code (**SITEID**): _____

Well No. (**LOCID**): 782 UMW-10 Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 9-26-12 Weather: 60 Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

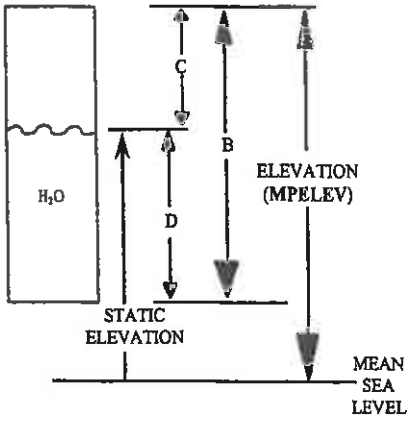
Measured Water Level Depth (C) (**STATDEP**) 10.05 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 18

Depth during Purging/Sampling: 10.10 ft (provide range)

Comments (re: Depth during purging/sampling): purge 800 ml



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: Cloudy no odor

Dissolved Ferrous Iron (mg/L): ferrous - 2.6

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1050	10.10	7.01	0.671	16.26	196	0.00	-66	200
1052	10.10	7.00	0.673	16.30	190	0.00	-68	200
1054	10.10	6.99	0.677	16.24	136	0.00	-69	200
1056	10.10	6.98	0.678	16.26	127	0.0	-70	200
1058	10.10	6.98	0.679	16.26	137	0.0	-70	200

Sample Time: 1100 Sample ID: 782VM10118KA, KC

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: RC MG

Location and Site Code (**SITEID**): _____

Well No. (**LOCID**): 782umw-105B Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 9-26-17 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

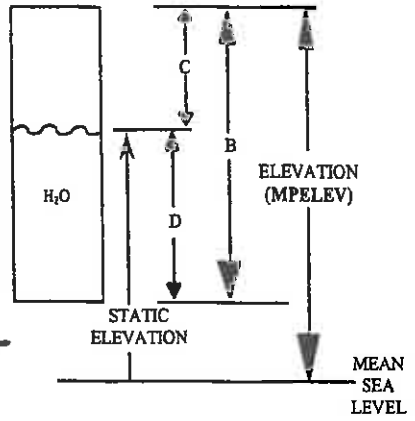
Measured Water Level Depth (C) (**STATDEP**) 20.38 ft.

Length of Static Water Column (D) = (B) _____ - (C) _____ = (D) _____ ft. (optional)

Pump Intake Depth (ft): 36

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): purge 1,192mL



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: Clear no odor

Dissolved Ferrous Iron (mg/L): 4.4

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1456	20.41	7.23	.420	17.45	73.7	4.96	-116	200
1458	20.41	7.22	.421	17.34	76.8	4.54	-117	200
1500	20.41	7.22	.419	17.21	69.7	4.87	-118	200
1502	20.41	7.23	.418	17.14	54.7	4.15	-118	200
1504	20.41	7.24	.416	17.12	48.7	4.52	-119	200
1506	20.41	7.24	.416	17.10	47.8	4.76	-119	200
1508	20.41	7.24	.414	17.11	44.9	4.70	-119	200

Sample Time: 1512 Sample ID: 782Um105B36KD KC KS KB

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 716-08-03 Sampled by: PC MG

Location and Site Code (**SITEID**): Apron 2

Well No. (**LOCID**): 782Vmw-121 Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 9-26-12 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

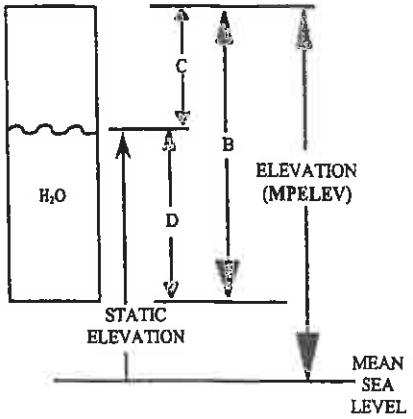
Measured Water Level Depth (C) (**STATDEP**) 14.74 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 16

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): purge 800 ml



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Cloudy orange no odor

Dissolved Ferrous Iron (mg/L): 5.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1356	14.86	6.93	.725	16.81	431	0.0	-62	300
1358	14.86	6.93	.722	16.65	396	0.0	-67	300
1400	14.86	6.92	.728	16.67	297	0.0	-69	300
1402	14.86	6.92	.730	16.51	210	0.0	-72	300
1404	14.86	6.92	.725	16.74	173	0.0	-73	300
1406	14.86	6.91	.726	16.52	134	0.0	-76	300
1408	14.86	6.92	.721	16.45	118	0.0	-77	300
1410	14.86	6.91	.726	16.47	111	0.0	-77	300
1412	14.86	6.91	.725	16.36	109	0.0	-77	300

Sample Time: 1414 Sample ID: 782Vmw12116KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PL MG

Location and Site Code (**SITEID**): Area 2

Well No. (**LOCID**): 782MW-121D Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 9-26-12 Weather: 60 Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

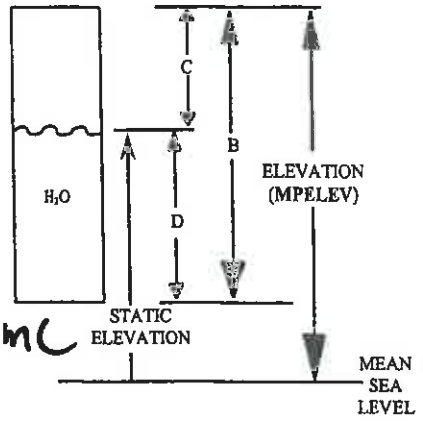
Measured Water Level Depth (C) (**STATDEP**) 15.63 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 26

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): purge 972-1000 mL



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Cloudy No odor

Dissolved Ferrous Iron (mg/L): 6.0

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1202	15.69	6.90	.659	15.98	166	3.27	-79	300
1204	15.69	6.91	.656	15.99	131	2.59	-83	300
1206	15.69	6.91	.656	15.91	130	1.86	-86	300
1208	15.69	6.91	.656	15.75	101	1.16	-89	300
1210	15.69	6.91	.657	15.85	92.7	0.74	-90	306
1212	15.69	6.90	.657	15.81	88.3	0.31	-91	300
1214	15.69	6.91	.658	15.85	86.9	0.13	-92	300
1216	15.69	6.91	.656	15.87	83.3	0.00	-93	300
1218	15.69	6.91	.657	15.80	84.6	0.00	-93	300

Sample Time: 1221 Sample ID: 782VM121D26KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): 78250-115 Well Diameter (SDIAM): Surface water 115

Date (LOGDATE): 9-26-12 Weather: 60 Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

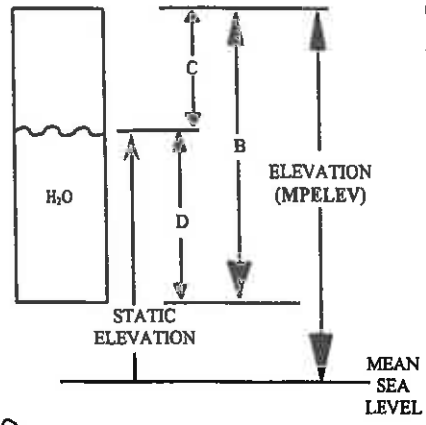
Measured Water Level Depth (C) (STATDEP) Surface ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Surface Water

Purge Date and Method: ~~BLADDER PUMP~~ Surface water

Physical Appearance/Comments: no odor Cloudy / Sample was clear

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
950	Surface	6.51	.323	19.03	21	10.92	210	—

Sample Time: 0952 Sample ID: 78250115011KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PL MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): 7825W118 Well Diameter (SDIAM): Surface water

Date (LOGDATE): 9-26-12 Weather: 60 Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

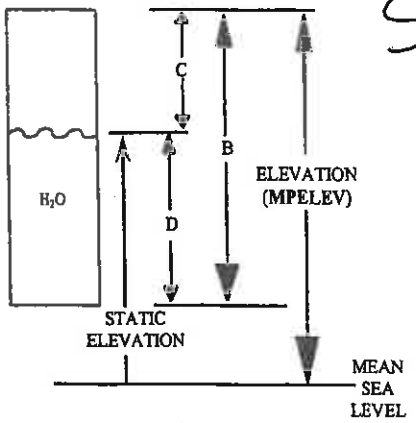
Measured Water Level Depth (C) (STATDEP) ____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Surface Water

Purge Date and Method: ~~BLADDER PUMP~~ Surface water

Physical Appearance/Comments: no odor clear

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1002	1	7.21	.284	18.02	0.6	5.73	123	—

Sample Time: 1006 Sample ID: 7825W11801KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC MG

Location and Site Code (**SITEID**): Apron 2

Well No. (**LOCID**): 7825W-119 Well Diameter (**SDIAM**): Surface mark

Date (**LOGDATE**): 9-26-12 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

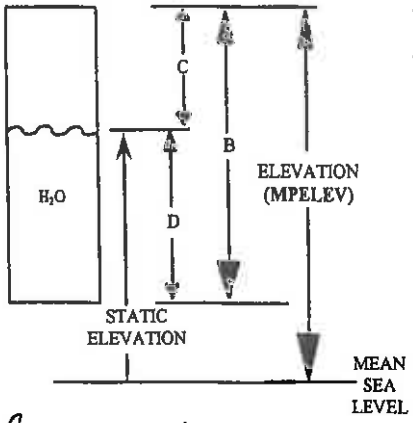
Measured Water Level Depth (C) (**STATDEP**) Surface ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Surface water

Purge Date and Method: ~~BLADDER PUMP~~ Surface water

Physical Appearance/Comments: no odor clear

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1020	—	7.3	.303	17.65	10.8	5.86	79	—

Sample Time: 1026 Sample ID: 7825W11901KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

717-06-03

Project: OBGW Sampled by: JW / SN

Location and Site Code (SITEID): B817

Well No. (LOCID): LAWMW-9 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/26/12 Weather: CLOUDY 65°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

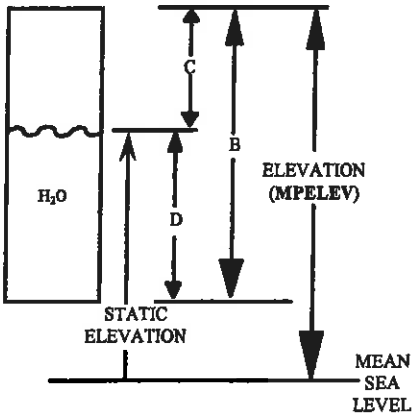
Measured Water Level Depth (C) (STATDEP) 9.60 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 12'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 670 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1452	9.60	8.03	0.294	18.06	0.0	2.16	205	200
1454	9.60	8.02	0.295	18.00	0.0	1.77	204	200
1456	9.60	8.02	0.296	17.55	0.0	1.50	203	200
1458	9.60	8.01	0.296	17.63	0.0	1.20	203	200
1500	9.60	8.01	0.295	17.57	0.0	1.05	202	200
1502	9.60	8.01	0.295	17.46	0.0	0.97	202	200
1504	9.60	8.01	0.295	17.53	0.0	0.91	202	200
1506	9.60	8.01	0.296	17.55	0.0	0.89	202	200

Sample Time: 1511 Sample ID: LAWM0912KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

717-06-03

Project: OBGW Sampled by: SN / JW

Location and Site Code (SITEID): B 8/7

Well No. (LOCID): WSA-MW8 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/26/12 Weather: CLOUDY 60°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

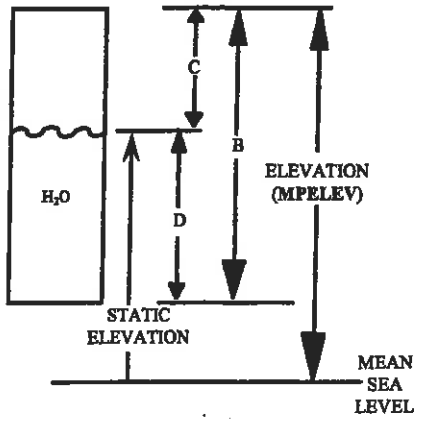
Measured Water Level Depth (C) (STATDEP) 4.41 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 9'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): REMOVE 598 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1044	4.41	6.92	0.161	18.12	0.0	5.86	213	200
1047	4.41	7.11	0.160	17.98	0.0	5.70	209	200
1050	4.41	7.21	0.160	17.87	0.0	5.35	207	200
1053	4.41	7.35	0.160	17.77	0.0	5.27	205	200
1056	4.41	7.42	0.160	17.75	0.0	5.23	204	200
1059	4.41	7.51	0.160	17.77	0.0	4.99	203	200
1056	4.41	7.57	0.160	17.73	0.0	5.00	202	200
1058	4.41	7.60	0.160	17.73	0.0	5.01	203	200

Sample Time: 1101 Sample ID: WSAMO809KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: OBGW 717-00-03 Sampled by: SN / SW

Location and Site Code (SITEID): B817

Well No. (LOCID): WSA-MW16 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/26/12 Weather: CLOUDY 60°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

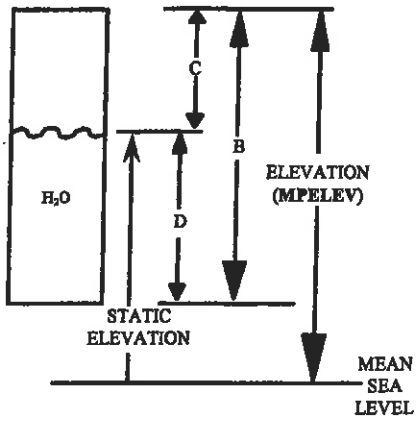
Measured Water Level Depth (C) (STATDEP) 4.78' ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 15'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 730 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1132	4.78	7.60	0.257	17.54	0.0	5.06	209	250
1134	4.78	7.61	0.257	17.55	0.0	4.90	210	250
1136	4.78	7.63	0.258	17.57	0.0	4.56	210	250
1138	4.78	7.64	0.259	17.60	0.0	4.43	210	250
1140	4.78	7.66	0.260	17.59	0.0	4.38	210	250
1142	4.78	7.67	0.261	17.59	0.0	4.35	210	250

Sample Time: 1145 Sample ID: WSAM1615KA/C/S/D

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 OBGW Sampled by: JW/SN

Location and Site Code (SITEID): B817

Well No. (LOCID): WL-WSAMW-17 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/26/12 Weather: CLOUDY 65°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

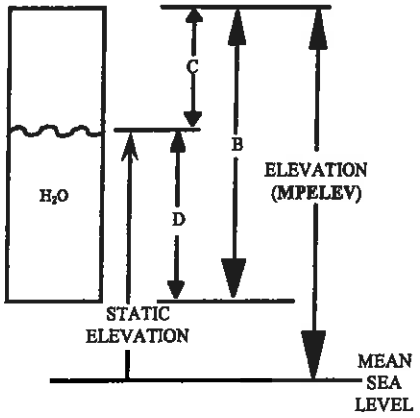
Measured Water Level Depth (C) (STATDEP) 15.12 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 22'

Depth during Purging/Sampling: 15.12 - 15.25 ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 885 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1600	15.25	7.23	0.164	17.41	6.6	4.59	233	200
1602	15.25	7.16	0.165	17.27	1.7	4.55	235	200
1604	15.25	7.13	0.165	17.28	0.0	4.49	238	200
1606	15.25	7.10	0.165	17.21	0.0	4.24	239	200
1608	15.25	7.08	0.166	17.12	0.0	4.25	239	200
1610	15.25	7.07	0.166	17.15	0.0	4.21	240	200

Sample Time: 1615 Sample ID: WSAM1722KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

717-00-03

Project: OBGW Sampled by: JW/SN

Location and Site Code (SITEID): B817

Well No. (LOCID): WSA-MW18 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/26/17 Weather: CLOUDY 70'

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

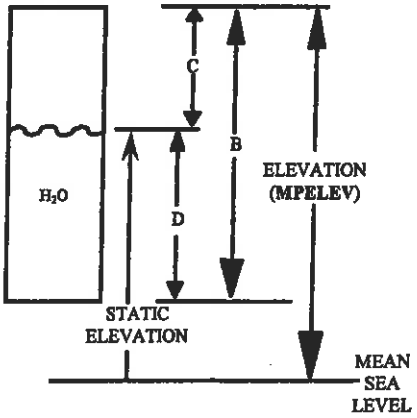
Measured Water Level Depth (C) (STATDEP) 7.88 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 14'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 750 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1402	7.88	7.95	0.279	18.16	93.8	4.40	205	250
1404	7.88	7.94	0.280	18.04	68.1	3.94	207	250
1406	7.88	7.95	0.280	17.94	38.4	3.79	207	250
1408	7.88	7.96	0.280	17.88	26.1	3.64	207	250
1410	7.88	7.97	0.280	17.81	15.8	3.61	208	250
1412	7.88	7.97	0.280	17.75	8.8	3.57	208	250
1414	7.88	7.97	0.280	17.77	4.7	3.49	208	250
1416	7.88	7.97	0.280	17.70	2.1	3.44	209	250

Sample Time: 1419 Sample ID: WSAMW18141RA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 9/26/12

CALIBRATOR(S) NAME: Mike Longhano

EQUIPMENT SUPPLIER(S): FPM

PHOTOIONIZATION DETECTOR

Equipment Model:

Serial Number: N/A

Calibration Gas (circle): Isobutylene 100 ppm or Other:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

NOTES:

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER

Equipment Model: #1

Serial Number:

	Standard:	Calibration Reading	Wthin Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	YES / NO	4.00	
Conductivity Standard:	4.49 mS/cm	4.49	YES / NO	4.44	
Turbidity Standard:	0 NTU	0.3	YES / NO	0.2	
		Temperature / Saturation		Temperature / Saturation	
Dissolved Oxygen Bump Test:	0.0 mg/L		YES / NO		
	Fresh Air Saturation (mg/L)	8.59	YES / NO	8.12	Saturation temperature dependent.

GROUNDWATER QUALITY METER

Equipment Model: #2

Serial Number:

	Standard:	Calibration Reading	Wthin Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.01	YES / NO	4.01	
Conductivity Standard:	4.49 mS/cm	4.48	YES / NO	4.49	
Turbidity Standard:	0 NTU	0.0	YES / NO	0.0	
		Temperature / Saturation		Temperature / Saturation	
Dissolved Oxygen Bump Test:	0.0 mg/L		YES / NO		
	Fresh Air Saturation (mg/L)	8.32	YES / NO	8.16	Saturation temperature dependent.

OTHER

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Alkalinity note 4 250mL poly (no headspace)	Comments
782VM10118KA	WL-782VMW-101	9/26	1100	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
782VM10118KC	WL-782VMW-101	9/26	1100	WG	BP	FD	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
782VM105B36KB	WL-782VMW-105B	9/26	1512	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
782VM105B36KC	WL-782VMW-105B	9/26	1512	WG	BP	FD	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
782VM105B36KS	WL-782VMW-105B	9/26	1512	WG	BP	MS	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
782VM105B36KD	WL-782VMW-105B	9/26	1512	WG	BP	SD	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
782VM12116KA	WL-782VMW-121	9/26	1414	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
782VM121D26KA	WL-782VMW-121D	9/26	1221	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
782SW11501KA	782SW-115	9/26	0952	WS	G	N	0/0	3	3	-	-	-	
782SW11801KA	782SW-118	9/26	1006	WS	G	N	0/0	3	3	-	-	-	
782SW11901KA	782SW-119	9/26	1026	WS	G	N	0/0	3	3	-	-	-	
~~092612KE~~	~~FIELDQC~~	~~9/26~~	~~1700~~	~~WQ~~	~~NA~~	~~EB~~	~~0/0~~	~~6~~	~~3~~	~~1~~	~~1~~	~~1~~	
092612KJF	FIELDQC	9/26	1432	WQ	NA	AB	0/0	3	3	-	-	-	
092612KR	FIELDQC	9/26	0850	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0. Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056. Note 3: DOC: method SM5310B. Note 4: Alkalinity: method SM2320B.	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Mather	Date: 9/27/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0700	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: :	#2 Received by: (Sig) Paul Bruhs	Date: 9/27/12	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: LSL	Time: 930	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: K Mattice	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
LAWM0912KA	LAWMW-9	9/26	1511	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
WSAM0809KA	WSAMW-8	9/26	1101	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
WSAM1615KA	WSA-MW16	9/26	1145	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
WSAM1615KC	WSA-MW16	9/26	1145	WG	BP	FD	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
WSAM1615KS	WSA-MW16	9/26	1145	WG	BP	MS	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
WSAM1615KD	WSA-MW16	9/26	1145	WG	BP	SD	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
WSAM1722KA	WL-WSAVMW-17	9/26	1615	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
WSAM1814KA	WL-WSAMW-18	9/26	1419	WG	BP	N	0/0	6	3	X	1	2	DOC, unpreserved, unfiltered 40mL VOA

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9/27/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0930	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/29/2012	#2 Received by: (Sig)	Date: 9/27/12	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name:	Time: 9:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 9/26/12

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: NA

Any required corrective action: NA

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 9/26/12 *Time :* 0900

Location: FPM office (garage)

Weather Conditions: 65°F, SE 5mph, cloudy

Meeting Type: Daily Health and Safety

Personnel Present:

Spencer Noyes, Josh Wenzel, Pete Corigliano, Mark Grifasi

Visitors Present: None

Visitor Training: None

PPE Required: Modified D

Possible risks, injuries, concerns:

Sampling surface water, slip trips and falls next to stream.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NA

Property Damage:

NA

Description (include sequence of events describing step by step how incident happened):

NA

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

NA

Report made by (Name): Katrina J. Mertes

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 12-06-03

AHA Number: 3

Job Location: AP2, B817

Date: 9/26/12

Name of Trainer: Katrina Mattice

Subjects/AHAs Covered: Working near creek

Training Aids Used: NA

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Katrina Mattice Date: 9/26/12

Current Weather Conditions:

Temperature (°F) = 65 Wind Direction = SE Wind Speed = 5 mph

Clear - Sunny - (Cloudy) - Rain - Snow Forecast = cloudy

Current Site Conditions (circle as appropriate): (Dry) - Wet - Muddy - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☒ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities:

working next to creek.

3. Activities Taking Place Today: low flow sampling @ AP2 and B817, surface water sampling at AP2

3. Anticipated Hazards: slip trips falls

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards:

level D PPE, clearing brush to sample location.

5. Additional Safety Topic or Comments: NA

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
SPENCER NOYES		FPM
Josh Wenzel		FPM
Peter Corrigan		FPM
Mark Griffin		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: 11-06-03 Date: 9/26/12
Name: OTDG+W PM Time: 1000

Any items that have been found deficient must be corrected before work or use.
This checklist includes, but is not limited to, the following:

	Yes	No
Safe Access and Workspace		
Are safe access and adequate space for movement available for:		
Emergencies	✓	
Work area	✓	
Walkways and passageways	✓	
Are ladders, stairways, and elevators properly located and functioning?	NA	
Is protection provided for floor and roof openings?	NA	
Is overhead protection provided for all areas of exposure?	NA	
Is lighting adequate?	✓	
Planning Work for Safety		
Are employees provided with all required protective equipment?	✓	
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?	✓	
Is all temporary flooring, safety nets, and scaffolding provided where required?	✓	
Utilities and Services Identification	NA	
High voltage lines	NA	
Have all been identified by signs?	NA	
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?	NA	
Sanitary Facilities		
Drinking water	✓	

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

	YES	NO
Are toilet facilities adequate?	✓	
Work Procedures – Materials Handling		
Is material handling space adequate?	✓	
Is material handling equipment adequate and proper?	✓	
Is material handling equipment in good condition?	✓	
Physicals Hazards		
Slip, trip, fall hazards	✓	
Heat or cold stress	✓	
Pinch points	✓	
Insect bites	✓	
Muscle strain from improper lifting	✓	
Noise exposure	NA	
Chemical Hazards		
Inhaling, touching, ingesting contaminants	✓	
Review and Reporting		
AHAs reviewed daily?	✓	
Incidents/Near Miss reported?	NA	
Other (e.g., tunnels, excavations, shafts)		

Comments:

_____

_____

_____

_____

_____

(Use additional pages if necessary)

DECONTAMINATION CHECKLIST

Project Name/Number: 717-06-03, OBGW PM

Site: AP2 / BB17

Boring/Monitoring Well Number(s): 82VMW-101, -105B, -121, -121D, 78BW-115, -118, -119, LAWMW-9, WSA-MW8, -16, -18 and WSA-MW17

Date: 9/26/12

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?				

Corrective Actions:

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: Katrina J Mattice

Printed Name and Title: Katrina Mattice, FOM

Date: 09/26/12

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: 717-06-03 / OBGW PM

Site: AP2, B817

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	**Yes**	**No**	**N/A**
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• field sampling form	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: NA

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: Katrina J. Mettice

Printed Name and Title: Katrina Mettice, FOM

Date: 9/26/12

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: 117-06-03/0B6WPM

Monitoring Well Number(s): 782VMW-101, -105B, -121, -121D, 782SW-15, -18, -19, LAWMW-9, WSAMW8, -16, -18, WSA-VMW17

Sampling Date: 9/26/12

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☑	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☑	☐	☐	☐

Corrective Actions: NA

QC Inspectors Signature:

Kathryn J. Mattice

Date: 9/26/12

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: 717-06-03 / PM OBGW

Site: AP2, B817

Monitoring Well Number(s): 782VMW-101, -105B, -121, -121D, 782SW-115, -118, -119, LAWMW-9, WSA-MW8, -16, -18, WSA-VMW17

Residential Well(s): NA

Sampling Date: 9/26/12

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

	Packing, Storing, and Shipment of Samples	Yes	No	N/A
1.	Were the samples handled according to the Work Plans?	✓	☐	☐
2.	Was preservative verified to be present in pre-preserved containers prior to sample collection?	✓	☐	☐
3.	Did the samples remain on ice from collection until cooler was taped for shipment?	✓	☐	☐
4.	Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	✓	☐	☐
5.	Were CoC forms signed and dated by the preparer, placed in a resealable plastic bag, and the bag taped to the inside of the cooler lid?	✓	☐	☐
6.	Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	✓	☐	☐
7.	Was a shipping label attached to the cooler?	☐	☐	✓
8.	Was custody documentation intact until receipt by the laboratory?	✓	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: Katrina J. Mattie

Date: 9/26/12

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 9/27/12

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Building 817, Landfill 6).

Weather conditions: Average temperature: 51°F Average barometric reading: 30.27
Wind direction and speed: 1mph SE
Significant wind changes: None

General description of tasks completed: Bladder pump sampling at Site Building 817 (WSA-MW9, -19, -21, -23, and -18). Bladder pump sampling at Site Landfill 6 (LF6VMW-13R, and -13RD). Surface water sampling at Site Landfill 6 (LF6SW-1PM).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

---

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE personnel: None

---

Sampling shipment completed: √ Yes □ No LSL Courier.

DCQCR Prepared by: Katrina Mattice, FOM Date: 9/28/12

CQCC Signature: Cornelia Mathesel Date: 10/4/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: OBGW 7/7-06-03 Sampled by: JW/SN

Location and Site Code (SITEID): B817

Well No. (LOCID): WSAMW-9 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/27/12 Weather: Sunny 70°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

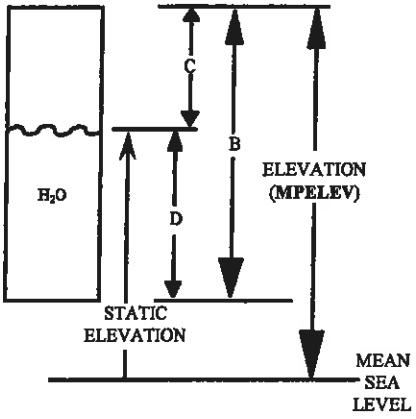
Measured Water Level Depth (C) (STATDEP) 6.37 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 9'

Depth during Purging/Sampling: 6.37 - 6.48 ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 600 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLOUDY NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1308	6.48	7.75	0.335	20.20	8.4	0.56	195	150
1311	6.48	7.77	0.335	20.18	0.0	0.43	192	150
1314	6.48	7.77	0.334	20.00	0.0	0.28	184	150
1317	6.48	7.77	0.334	20.02	0.0	0.17	178	150
1320	6.48	7.79	0.333	19.98	0.0	0.13	171	150
1323	6.48	7.80	0.333	19.99	0.0	0.04	165	150
1326	6.48	7.80	0.334	20.00	0.0	0.00	163	150

Sample Time: 1329 Sample ID: WSAM0909KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 OBGW Sampled by: JW/SN

Location and Site Code (SITEID): B817

Well No. (LOCID): WL-WSAMW-19 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/27 Weather: SUNNY 60°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

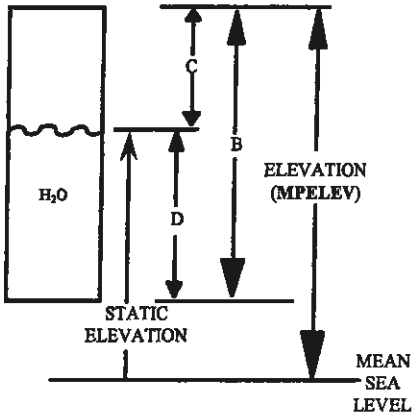
Measured Water Level Depth (C) (STATDEP) 8.10 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 18'

Depth during Purging/Sampling: 8.10 - 8.98 ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 800 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1042	8.98	7.43	0.271	18.59	0.0	7.32	201	100
1046	8.98	7.50	0.269	18.80	0.0	6.98	203	100
1050	8.98	7.61	0.269	18.99	0.0	6.52	207	100
1054	8.98	7.62	0.269	18.98	0.0	6.43	208	100
1058	8.98	7.64	0.269	18.97	0.0	6.34	209	100

Sample Time: 1101 Sample ID: WSAM1918KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: OBGW 717-0603 Sampled by: JW / SN

Location and Site Code (SITEID): B817

Well No. (LOCID): WL-WSAMW-21 Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/27/12 Weather: Sunny 75°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

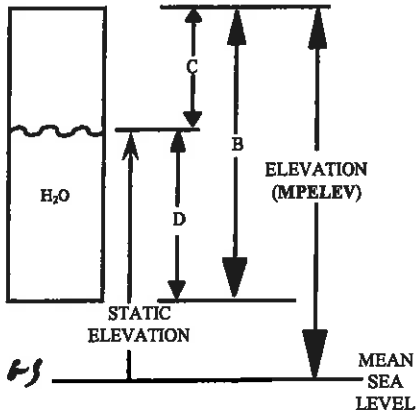
Measured Water Level Depth (C) (STATDEP) 23.00 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 24'

Depth during Purging/Sampling: 23.00 - 23.4 ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 1000 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1405	23.21	7.83	0.257	18.27	0.0	7.25	210	100
1409	23.21	7.86	0.268	18.22	0.0	7.20	212	100
1413	23.21	7.85	0.271	17.98	0.0	7.29	213	100
1417	23.21	7.85	0.270	17.76	0.0	7.31	213	100
1421	23.21	7.86	0.272	17.37	0.0	7.28	212	100

Sample Time: 1425 Sample ID: WSAM2124KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: OBGW 1106003 Sampled by: JW/SN

Location and Site Code (**SITEID**): B817

Well No. (**LOCID**): WL-WSAMW-23 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 9/27/12 Weather: Sunny 75°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

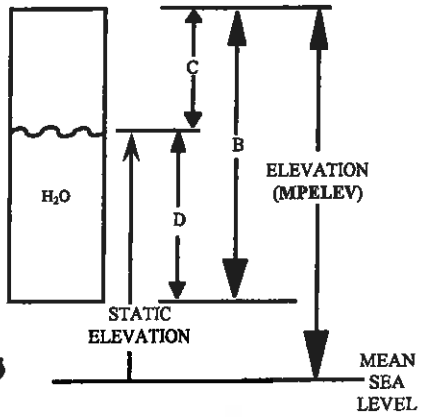
Measured Water Level Depth (C) (**STATDEP**) 20.80 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 24'

Depth during Purging/Sampling: 20.80 - 21.05 ft (provide range)

Comments (re: Depth during purging/sampling): PURGE 1000 mL PRIOR TO READINGS



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: CLEAR NO ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1450	21.05	7.93	0.311	17.34	0.0	1.24	48	100
1454	21.05	7.98	0.308	17.25	0.0	0.59	23	100
1458	21.05	8.04	0.307	17.47	0.0	0.21	2	100
1502	21.05	8.09	0.305	17.55	0.0	0.02	-19	100
1506	21.05	8.11	0.305	17.54	0.0	0.00	-30	100
1510	21.05	8.14	0.304	17.45	0.0	0.00	-33	100
1514	21.05	8.15	0.304	17.59	0.0	0.00	-35	100

Sample Time: 1517 Sample ID: WSAMZ324KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: MG/MG

Location and Site Code (SITEID): LF 6

Well No. (LOCID): LF6MW-13R Well Diameter (SDIAM): 2"

Date (LOGDATE): 9/27 Weather: SUN / 65° F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

HOLIBA # 2

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

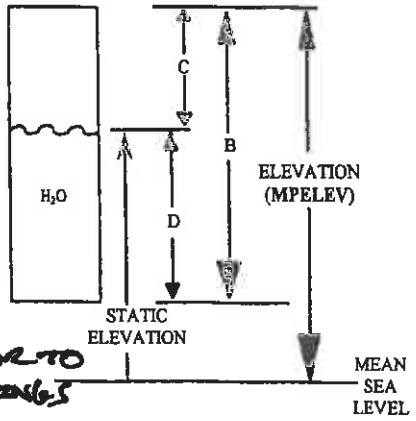
Measured Water Level Depth (C) (STATDEP) 2.77 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 31

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): 682 + 400 1,082 mL prior to start of readings



31
22
62
62
682

Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: CLEAR, FAINT ORGANIC ODOR

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1210	2.78	7.71	0.785	16.90	58.4	0.00	-121	200
1212	2.78	7.71	0.785	16.95	58.9	0.00	-125	200
1214	2.78	7.71	0.786	16.95	49.3	0.00	-129	200
1216	2.78	7.72	0.786	16.98	45.1	0.00	-133	200
1218	2.78	7.72	0.787	16.98	43.4	0.00	-136	200
1220	2.78	7.73	0.786	16.98	41.7	0.00	-140	200

Sample Time: 1220 Sample ID: LF6VMW3R31KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-13 Sampled by: RL MG

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6UMW-13RD Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 9/27/12 Weather: 70

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

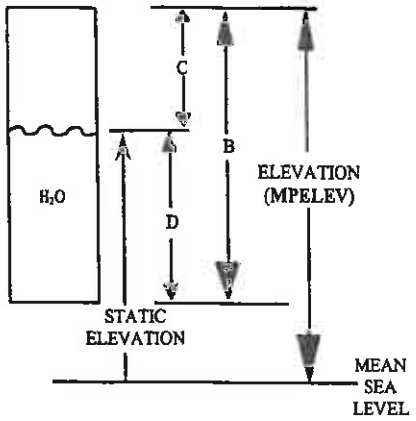
Measured Water Level Depth (C) (**STATDEP**) 2.21 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 35

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): Purge 1,170 mL



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear no odo

Dissolved Ferrous Iron (mg/L): NA

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1015	2.30	7.47	.762	16.29	79.8	0.00	-82	200
1017	2.30	7.50	.763	16.29	61.9	0.00	-98	200
1019	2.30	7.51	.763	16.36	60.3	0.00	-100	200
1021	2.30	7.51	.763	15.98	58.6	0.00	-103	200
1023	2.30	7.51	.763	16.06	60.9	0.00	-106	200

Sample Time: 1026 Sample ID: LF6UM13RD35KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 707-06-03 Sampled by: MG/MG

Location and Site Code (**SITEID**): LF 6

Well No. (**LOCID**): SW Well Diameter (**SDIAM**): SW

Date (**LOGDATE**): 9/27/12 Weather: SUN / 70°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

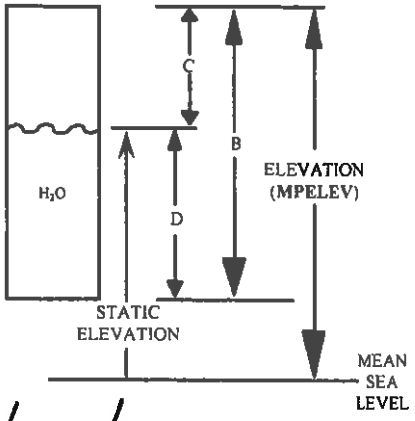
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: SCOOP 9/27/12

Physical Appearance/Comments: CLEAR ; SLOW TRICKLING FROM STREAM.

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1330	—	7.77	0.810	19.97	0.0	6.48	101

Sample Time: 1330 Sample ID: LF6SW01PM01KA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 9/27/12

CALIBRATOR(S) NAME: Pete Corigliano

EQUIPMENT SUPPLIER(S): FPM

PHOTOIONIZATION DETECTOR:

Equipment Model:

Serial Number: NA

Calibration Gas (circle): Isobutylene 100 ppm or Other:

NOTES:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER

Equipment Model: #1

Serial Number:

	Standard:	Calibration Reading	Wthin Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	(YES) / NO	4.06	
Conductivity Standard:	4.49 mS/cm	4.58	(YES) / NO	4.51	
Turbidity Standard:	0 NTU	0.0	(YES) / NO	0.0	
		Temperature/ Saturation		Temperature/ Saturation	
Dissolved Oxygen Bump Test:	0.0 mg/L	NA	YES / NO		
	Fresh Air Saturation (mg/L)	8.25	(YES) / NO	8.72	Saturation temperature dependent.

GROUNDWATER QUALITY METER

Equipment Model: #2

Serial Number:

	Standard:	Calibration Reading	Wthin Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.01	(YES) / NO	4.00	
Conductivity Standard:	4.49 mS/cm	4.49	(YES) / NO	4.42	
Turbidity Standard:	0 NTU	0.0	(YES) / NO	0.0	
		Temperature/ Saturation		Temperature/ Saturation	
Dissolved Oxygen Bump Test:	0.0 mg/L	NA	YES / NO		
	Fresh Air Saturation (mg/L)	8.16	(YES) / NO	8.07	Saturation temperature dependent.

OTHER

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
WSAM0909KA	WSAMW-9	9/27	1329	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
WSAM1918KA	WL-WSAMW-19	9/27	1101	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
WSAM2124KA	WL-WSAMW-21	9/27	1425	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
WSAM2324KA	WL-WSAMW-23	9/27	1517	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
WSAM1814KA	WL-WSAMW-18	9/27	1239	WG	BP	N	0/0	1	-	1	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Mattice	Date: 9/28/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 1015	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/29/2012	#2 Received by: (Sig) Bill Donaldson	Date: 9-28-12	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 10:15	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283/4_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
LF6VM13R31KA	LF6VMW-13R	9/27	1220	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
LF6VM13RD35KA	LF6VMW-13RD	9/27	1026	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
LF6SW01PM01KA	LF6SW-1PM	9/27	1330	WG	G	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
092712KE	FIELDQC	9/27	1600	WQ	BP	EB	0/0	7	3	1	1	2	DOC - unpreserved, unfiltered
092712KF	FIELDQC	9/27	1025	WQ	NA	AB	0/0	3	3	-	-	-	
092712KR	FIELDQC	9/27	0900	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) Kathy Mattice	Date 9/28/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: PPM Ltd	Time: 10:15	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) Bill Donaldson	Date: 9-28-12	#3 Received by: (Sig)	Date:
Company Name:	Time:	Company Name: Life Science Labs	Time: 10:15	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 9/27/12

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: _____

_____

_____

_____

Any required corrective action: _____

_____

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 9/27/12 *Time :* 0900

Location: FPM office (garage)

Weather Conditions: 51°F sun, 30.27 in Hg, 1 mph SE wind

Meeting Type: Daily Health and Safety

Personnel Present:

Spencer Noyes, Josh Wenzel, Mark Grifasi, Pete Corrigliano

Visitors Present: no

Visitor Training: no

PPE Required: Modified D

Possible risks, injuries, concerns:

biological hazards, slip trip fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NA

Property Damage:

NA

Description (include sequence of events describing step by step how incident happened):

NA

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

NA

Report made by (Name): Katrina J. Mattree

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03

AHA Number: 4

Job Location: B817 / LF6

Date: 9/27/12

Name of Trainer: Katrina Mathis

Subjects/AHAs Covered: Biological Hazards

Training Aids Used: NA

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Katrina Mathis Date: 9/27/12

Current Weather Conditions:

Temperature (°F) = 51 Wind Direction = SE Wind Speed = 1

Clear - (Sunny) - Cloudy – Rain - Snow Forecast = sunny

Current Site Conditions (circle as appropriate): (Dry) - Wet - Muddy - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☒ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities:

biological hazards

3. Activities Taking Place Today: low flow sampling @ B817, LF6 and surface water sampling @ LF6

3. Anticipated Hazards: slip trips falls

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards:

level D ppe

5. Additional Safety Topic or Comments: NA

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
SPENCER NOYES		FPM
Josh Wenzel		FPM
Mark Grifasi		FPM
Peter Grigliano		FPM
Michael Grifasi		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: 717-00-03 Date: 9/27/12

Name: OBGW PM Time: 1000

Any items that have been found deficient must be corrected before work or use.

This checklist includes, but is not limited to, the following:

	Yes	No
Safe Access and Workspace		
Are safe access and adequate space for movement available for:	✓	
Emergencies	✓	
Work area	✓	
Walkways and passageways		
Are ladders, stairways, and elevators properly located and functioning?	NA	
Is protection provided for floor and roof openings?	NA	
Is overhead protection provided for all areas of exposure?	NA	
Is lighting adequate?	✓	
Planning Work for Safety		
Are employees provided with all required protective equipment?	✓	
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?	✓	
Is all temporary flooring, safety nets, and scaffolding provided where required?	✓	
Utilities and Services Identification	NA	
High voltage lines	NA	
Have all been identified by signs?	NA	
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?	NA	
Sanitary Facilities		
Drinking water	✓	

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

	YES	NO
Are toilet facilities adequate?	✓	
Work Procedures – Materials Handling		
Is material handling space adequate?	✓	
Is material handling equipment adequate and proper?	✓	
Is material handling equipment in good condition?	✓	
Physicals Hazards		
Slip, trip, fall hazards	✓	
Heat or cold stress	✓	
Pinch points	✓	
Insect bites	✓	
Muscle strain from improper lifting	✓	
Noise exposure	NA	
Chemical Hazards		
Inhaling, touching, ingesting contaminants	✓	
Review and Reporting		
AHAs reviewed daily?	✓	
Incidents/Near Miss reported?	NA	
Other (e.g., tunnels, excavations, shafts)		

Comments:

_____

_____

_____

_____

_____

(Use additional pages if necessary)

DECONTAMINATION CHECKLIST

Project Name/Number: 717-06-03, OBGW PM

Site: B817, LF6

Boring/Monitoring Well Number(s): WSA-MW9, -19, -21, -23, and -18.

Date: 9/27/12 LF6VMW-13R, -13RD, LF6SW-1PM

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A).
If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions:

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: Katrina J. Mattea

Printed Name and Title: Katrina Mattea, FOM

Date: 9/27/12

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: 717-06-03 / 0BGW PM

Site: B817 / LF6

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	**Yes**	**No**	**N/A**
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Field sampling form	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: NA

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: Katrina J. Mattice

Printed Name and Title: Katrina Mattice, FOM

Date: 9/27/12

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: 717-06-03 / PM OBGW

Monitoring Well Number(s): WSA-MW9, -19, -21, -23 and -18

Sampling Date: 9/27/12 LF6/MW-13R, -13RD and LF6SW-1PM

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☑	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☑	☐	☐	☐

Corrective Actions:

QC Inspectors Signature: Katrina J. Mattra

Date: 9/27/12

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: 717-06-03, PM OBGW

Site: 8817, LF6

Monitoring Well Number(s): WSA-MW9, -19, -21, -23 and -18 LF6VMW-13R, -13RD and LF6SW-1PM

Residential Well(s): No

Sampling Date: _____

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

	Packing, Storing, and Shipment of Samples	Yes	No	N/A
1.	Were the samples handled according to the Work Plans?	☑	☐	☐
2.	Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3.	Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4.	Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5.	Were CoC forms signed and dated by the preparer, placed in a resealable plastic bag, and the bag taped to the inside of the cooler lid?	☑	☐	☐
6.	Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7.	Was a shipping label attached to the cooler?	☐	☐	☑
8.	Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: Katrina J. Mattice

Date: 9/27/12

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 9/28/12

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Landfill 6).

Weather conditions: Average temperature: 55°F Average barometric reading: 30.09
Wind direction and speed: Southeast 5mph
Significant wind changes: None

General description of tasks completed: Bladder pump sampling at Site Landfill 6 (LF6MW-20, -31, -39, and LF6VMW-26). Bailer sampling at Site Landfill 6 (LF6TW-33, -34, -35, -36, and -38).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

Corrective actions taken or instructions obtained from AFCEE personnel: None

Sampling shipment completed: √ Yes □ No LSL Courier.

DCQCR Prepared by: Katrina Mattice, FOM Date: 10/1/12

CQCC Signature: Cecilia van Hoesel Date: 10/4/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC MG

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6mw-20 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 9-28-12 Weather: 60 rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

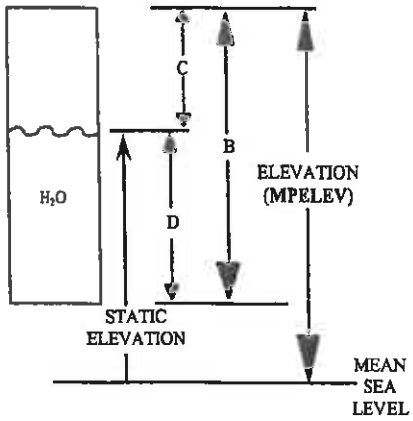
Measured Water Level Depth (C) (**STATDEP**) 4.88 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 46

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): purg 1,412 mL



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear Strong sulfur odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1112	5.01	6.56	.866	14.71	11.9	0.0	-56	200
1114	5.01	6.56	.866	14.72	10.4	0.0	-55	200
1116	5.01	6.55	.876	14.60	12.9	0.0	-53	200
1118	5.01	6.54	.874	14.60	11.0	0.0	-52	200
1120	5.01	6.54	.871	14.56	11.6	0.0	-52	200
1122	5.01	6.54	.871	14.57	11.1	0.0	-52	200

Sample Time: 1124 Sample ID: LF6M2046KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PL MG

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6 mw-31 Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 9-28-12 Weather: 60 Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

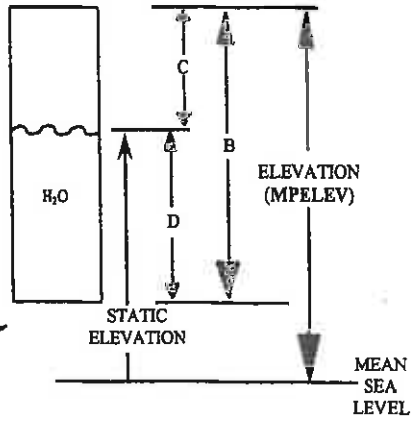
Measured Water Level Depth (C) (**STATDEP**) 3.58 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 45

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): Purge 1,350 mL



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear no odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1024	3.66	6.97	.944	14.57	31.9	0.0	-81	200
1026	3.66	6.98	.945	14.68	33.2	0.0	-82	200
1028	3.66	6.98	.946	14.62	31.2	0.0	-85	200
1030	3.66	6.98	.946	14.52	32.9	0.0	-87	200
1032	3.66	6.98	.948	14.47	29.0	0.0	-90	200
1034	3.66	6.98	.946	14.30	29.6	0.0	-91	200

Sample Time: 1036 Sample ID: LF6MW3145KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PL MG

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6mw-39 Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 9-28-12 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

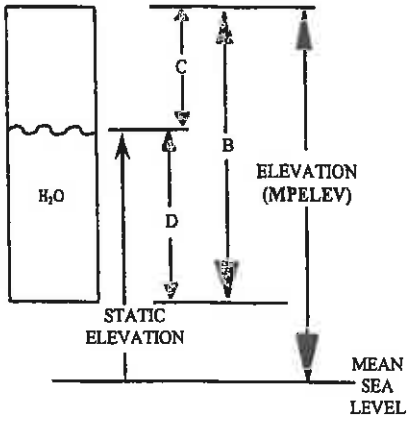
Measured Water Level Depth (C) (**STATDEP**) 7.5 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 20

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): Purge 840 mL



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear no odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1327	7.60	7.82	.229	14.89	4.0	0.0	-18	200
1329	7.60	7.92	.241	14.63	2.4	0.0	-50	200
1331	7.60	7.92	.288	14.55	1.3	0.0	-76	200
1333	7.60	7.91	.289	14.72	2.2	0.0	-91	200
1335	7.60	7.90	.305	14.65	2.3	0.0	-109	200
1337	7.60	7.90	.314	14.64	3.0	0.0	-111	200
1339	7.60	7.88	.317	14.48	5.0	0.0	-118	200
1341	7.60	7.88	.318	14.47	5.2	0.0	-121	200
1343	7.60	7.89	.318	14.48	5.3	0.0	-122	200

Sample Time: 1348 Sample ID: LF6m3920KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PC MG

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6VM26 Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 9-28-12 Weather: 60

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

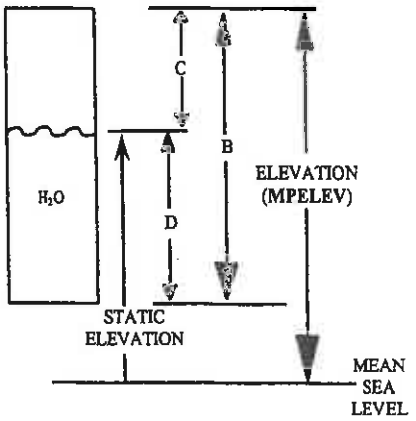
Measured Water Level Depth (C) (**STATDEP**) 58.2 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 50

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): Purge 1,500



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear No odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1425	5.91	7.65	.837	14.76	5.9	0.0	-70	200
1427	5.91	7.63	.844	14.79	6.3	0.0	-76	200
1429	5.91	7.60	.849	14.69	6.3	0.0	-83	200
1431	5.91	7.60	.846	14.56	6.4	0.0	-88	200
1433	5.91	7.60	.836	14.69	6.7	0.0	-91	200
1435	5.91	7.62	.838	14.62	6.9	0.0	-94	200
1437	5.91	7.61	.837	14.62	7.0	0.0	-95	200

Sample Time: 1440 Sample ID: LF6VM2650KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: OBGW 7170603 Sampled by: JW/ SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6TW-33 Well Diameter (**SDIAM**): 1"

Date (**LOGDATE**): 9/28/12 Weather: CLOUDY 55°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

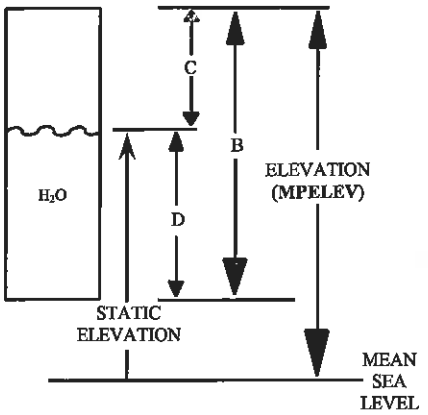
Measured Well Depth (B) (**TOTDEPTH**) 39.81 ft.

Measured Water Level Depth (C) (**STATDEP**) 4.55 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = 35.26 (D) ft.

Casing Water Volume (E) = ____ (A) x ____ (D) = 1.41 gal

Minimum Purge Volume = 4.2 gal (3 well volumes)



Purge Date and Method: CHECK VALVE 9/28/12

Physical Appearance/Comments: SILTY GREY, NO ODOR

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1306	1	7.61	0.777	13.78	<999	11.94	-57
1307	2	7.46	0.822	13.28	<999	11.61	-52
1308	3	7.33	0.835	13.09	<999	3.61	-51
1309	4	7.30	0.832	12.39	<999	4.26	-50
1310	5	7.29	0.832	12.78	<999	11.00	-49

Sample Time: 1312 Sample ID: LF6T3304KA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: OBGW 7706-03 Sampled by: JW / SN

Location and Site Code (**SITEID**): [redacted] LF6

Well No. (**LOCID**): LF6TW - 34 Well Diameter (**SDIAM**): 1"

Date (**LOGDATE**): 9/28/12 Weather: Cloudy 55°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

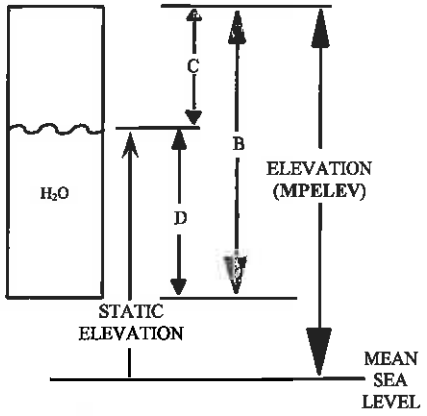
Measured Well Depth (B) (**TOTDEPTH**) 55.45 ft.

Measured Water Level Depth (C) (**STATDEP**) 6.68 ft.

Length of Static Water Column (D) = (B) 55.45 - (C) 6.68 = (D) 48.77 ft.

Casing Water Volume (E) = (A) 0.04 x (D) 48.77 = 1.95 gal

Minimum Purge Volume = 5.85 gal (3 well volumes)



Purge Date and Method: CHECK VALVE

Physical Appearance/Comments: SILTY GREY, SULFUR ODOR

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 5%	±1°C			
Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1110	1.25	6.78	0.853	14.62	> 999	2.01	-33
1112	2.5	6.97	0.864	13.93	626	3.51	-36
1113	3.75	7.03	0.870	13.63	458	4.04	-37
1115	5	7.10	0.873	13.32	345	3.50	-34
1116	6.25	7.13	0.875	13.22	286	3.50	-32
	7.5						

Sample Time: 1118 Sample ID: LF6T3406KA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: OBGW77-06-03 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6TW-35 Well Diameter (**SDIAM**): 1"

Date (**LOGDATE**): 9/28/12 Weather: CLOUDY 55°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

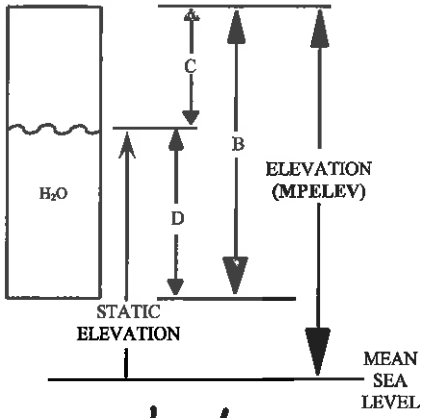
Measured Well Depth (B) (**TOTDEPTH**) 56.22 ft.

Measured Water Level Depth (C) (**STATDEP**) 6.40' ft.

Length of Static Water Column (D) = (B) 56.22 - (C) 6.40 = (D) 49.82 ft.

Casing Water Volume (E) = (A) 0.04 x (D) 49.82 = 1.99 gal

Minimum Purge Volume = 5.97 gal (3 well volumes)



Purge Date and Method: CHECK VALVE 9/28/12

Physical Appearance/Comments: SILTY GREY, NO ODOR

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1334	1.25	7.65	0.891	13.92	961	6.49	27
1335	2.5	7.63	0.888	13.59	894	2.32	37
1336	3.75	7.63	0.882	13.15	<999	9.23	46
1337	5	7.61	0.882	13.03	<999	10.59	52
1338	6.25	7.61	0.885	12.98	<999	2.79	57

Sample Time: 1340 Sample ID: LF6T3505KA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: OBGW 717-06-03 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6TW-36 Well Diameter (**SDIAM**): 1"

Date (**LOGDATE**): 9/28/12 Weather: CLOUDY 55°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

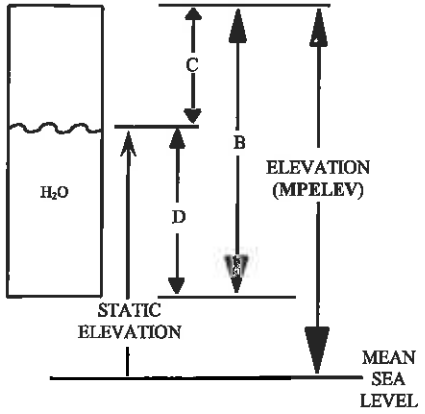
Measured Well Depth (B) (**TOTDEPTH**) 54.75 ft.

Measured Water Level Depth (C) (**STATDEPE**) 3.27 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = 51.48 (D) ft.

Casing Water Volume (E) = ____ (A) x ____ (D) = 2.05 gal

Minimum Purge Volume = 6.17 gal (3 well volumes)



Purge Date and Method: ~~PURGE~~ CHECK VALVE 9/28/12

Physical Appearance/Comments: GREY SILTY NO ODOR

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1440	1.25	7.94	0.937	13.06	597	3.59	152
1442	2.5	8.00	0.916	12.93	706	16.89	110
1443	3.75	8.01	0.914	12.83	<999	10.08	85
1444	5	8.00	0.902	12.78	<999	4.63	62
1445	6.25	7.99	0.910	12.75	<999	4.01	51

Sample Time: 1450 Sample ID: LF6T3602KA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: OBGW 11-0603 Sampled by: JW/SN

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6TW-38 Well Diameter (**SDIAM**): 1"

Date (**LOGDATE**): 9/28/12 Weather: Cloudy 50°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

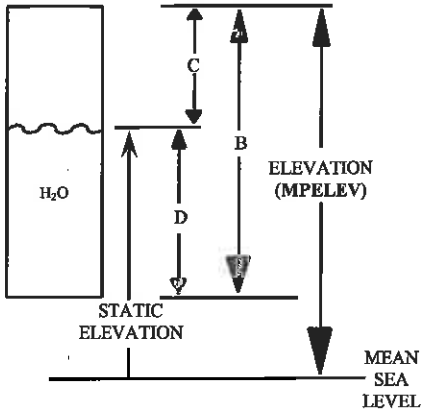
Measured Well Depth (B) (**TOTDEPTH**) 57.15 ft.

Measured Water Level Depth (C) (**STATDEP**) 7.85 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = 49.30 (D) ft.

Casing Water Volume (E) = ____ (A) x ____ (D) = 1.97 gal

Minimum Purge Volume = 5.91 gal (3 well volumes)



Purge Date and Method: CHECK VALVE, 9/28/12

Physical Appearance/Comments: SILTY GREY

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1415	1.25	8.10	0.801	13.78	616	3.44	131
1416	2.5	8.11	0.879	13.29	455	9.14	129
1418	3.75	8.10	0.891	13.05	502	3.13	128
1419	5	8.09	0.893	12.94	692	2.45	126
1420	6.25	8.09	0.896	12.82	<999	3.98	123

Sample Time: 1424 Sample ID: LF6T3805KA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 9-28-12

CALIBRATOR(S) NAME: FPM

EQUIPMENT SUPPLIER(S): FPM

PHOTOIONIZATION DETECTOR:

Equipment Model:

Serial Number: NA

Calibration Gas (circle): Isobutylene 100 ppm or Other:

NOTES:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER

Equipment Model: Horiba

Serial Number: #1

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	(YES) / NO	3.99	DO 8.42
Conductivity Standard:	4.49 mS/cm	4.49	(YES) / NO	4.58	DO 8.36 (End)
Turbidity Standard:	0 NTU	0	(YES) / NO	0.3	
		Temperature/ Saturation		Temperature/ Saturation	
Dissolved Oxygen Bump Test: 0.0 mg/L		NA	YES / NO	NA	
Dissolved Oxygen Bump Test: Fresh Air Saturation (mg/L)		8.42	(YES) / NO	8.36	Saturation temperature dependent.

GROUNDWATER QUALITY METER

Equipment Model: Horiba

Serial Number: #2

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.01	(YES) / NO	3.99	DO 7.94
Conductivity Standard:	4.49 mS/cm	4.49	(YES) / NO	4.30	DO 7.42 (End)
Turbidity Standard:	0 NTU	0	(YES) / NO	0.0	
		Temperature/ Saturation		Temperature/ Saturation	
Dissolved Oxygen Bump Test: 0.0 mg/L		NA	YES / NO	NA	
Dissolved Oxygen Bump Test: Fresh Air Saturation (mg/L)		7.94	(YES) / NO	7.42	Saturation temperature dependent.

OTHER

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _284_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: K. Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial ~~(HCl)~~	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
LF6M2046KA	LF6MW-20	9/28	1124	WG	BP	N	0/0	7	3	1	1	2	
LF6VM2650KA	WL-LF6VMW-26	9/28	1440	WG	BP	N	0/0	7	3	1	1	2	
LF6M3145KA	LF6MW-31	9/28	1036	WG	BP	N	0/0	7	3	1	1	2	
LF6T3304KA	LF6TW-33	9/28	1312	WG	B	N	0/0	7	3	1	1	2	
LF6T3406KA	LF6TW-34	9/28	1118	WG	B	N	0/0	7	3	1	1	2	
LF6T3505KA	LF6TW-35	9/28	1340	WG	B	N	0/0	7	3	1	1	2	
LF6T3602KA	LF6TW-36	9/28	1450	WG	B	N	0/0	7	3	1	1	2	
LF6T3805KA	LF6TW-38	9/28	1424	WG	B	N	0/0	7	3	1	1	2	
LF6M3920KA	LF6MW-39	9/28	1348	WG	BP	N	0/0	7	3	1	1	2	
092812KE	FIELDQC	9/28	1530	WQ	BP	EB	0/0	7	3	1	1	2	
092812KF	FIELDQC	9/28	1130	WQ	NA	AB	0/0	3	3	-	-	-	
092812KR	FIELDQC	9/28	0900	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) 10/1/12	Date: Kimathi	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: TPM	Time: 0935	Company Name:	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date: 10/1/12	#3 Received by: (Sig)	Date:
Company Name:	Time:	Company Name: LSC	Time: 0935	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 9/28/12

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: _____

_____

_____

_____

Any required corrective action: _____

_____

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 9/28/12 *Time :* 0900

Location: FPM office (garage)

Weather Conditions: 55°F, 30.09 inHg, SE 5mph, Cloudy

Meeting Type: Daily Health and Safety

Personnel Present:
Josh Wenzel, Pete Corigliano, Mark Grifasi, Spencer Noyes

Visitors Present: NO

Visitor Training: NO

PPE Required: Modified D

Possible risks, injuries, concerns:
cold stress

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):
NO

Property Damage:
NO

Description (include sequence of events describing step by step how incident happened):
NO

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):
NO

Report made by (Name): Katrina Mattice

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03

AHA Number: 5

Job Location: LF6

Date: 9/28/12

Name of Trainer: Katrina Mathe

Subjects/AHAs Covered: Cold stress

Training Aids Used: NA

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Katrina Mettice Date: 9/28/12

Current Weather Conditions:

Temperature (°F) = 55 Wind Direction = SE Wind Speed = 5

Clear - Sunny – Cloudy – Rain - Snow Forecast = Cloudy, Rain

Current Site Conditions (circle as appropriate): Dry - Wet - Muddy - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☑ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities:

NONE

3. Activities Taking Place Today: low flow sampling @ LF6, bailer sampling @ LF6

3. Anticipated Hazards: cold stress

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards:

PPE, warm Clothes, rain gear

5. Additional Safety Topic or Comments: No

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Peter Corigliano		FPM
Josh Wenzel		FPM
SPENCER NYES		FPM
	Mark Cordasco	FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: 11-06-03 Date: 9/28/12
Name: OBGW P11 Time: 1000

Any items that have been found deficient must be corrected before work or use.
This checklist includes, but is not limited to, the following:

	Yes	No
Safe Access and Workspace		
Are safe access and adequate space for movement available for:	!	
Emergencies	✓	
Work area	✓	
Walkways and passageways	✓	
Are ladders, stairways, and elevators properly located and functioning?	NA	
Is protection provided for floor and roof openings?	NA	
Is overhead protection provided for all areas of exposure?	NA	
Is lighting adequate?	✓	
Planning Work for Safety		
Are employees provided with all required protective equipment?	✓	
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?	✓	
Is all temporary flooring, safety nets, and scaffolding provided where required?	✓	
Utilities and Services Identification	NA	
High voltage lines	NA	
Have all been identified by signs?	NA	
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?	NA	
Sanitary Facilities		
Drinking water	✓	

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

	YES	NO
Are toilet facilities adequate?	✓	
Work Procedures – Materials Handling		
Is material handling space adequate?	✓	
Is material handling equipment adequate and proper?	✓	
Is material handling equipment in good condition?	✓	
Physicals Hazards		
Slip, trip, fall hazards	✓	
Heat or cold stress	✓	
Pinch points	✓	
Insect bites	✓	
Muscle strain from improper lifting	✓	
Noise exposure	NA	
Chemical Hazards		
Inhaling, touching, ingesting contaminants	✓	
Review and Reporting		
AHAs reviewed daily?	✓	
Incidents/Near Miss reported?	NA	
Other (e.g., tunnels, excavations, shafts)		

Comments:

_____

_____

_____

_____

_____

(Use additional pages if necessary)

DECONTAMINATION CHECKLIST

Project Name/Number: 717-06-03/ OBGW PM

~~**Site:**~~ LF6MW-20, -31, -39 and LF6MW-26. LF6TW-33, -34, -35, -36, -38

~~**Boring/Monitoring Well Number**~~**(s):** site LF6

Date: 9/28/12

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	**Yes**	**No**	**N/O**	**N/A**
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions:

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: Katrina J. Mathes

Printed Name and Title: Katrina Mathes, PGM

Date: 9/28/12

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: 717-06-03 / OBGW PM

Site: LFG

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	**Yes**	**No**	**N/A**
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Field sampling form	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: NA

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: Katrina J. Mattice

Printed Name and Title: Katrina Mattice, PM

Date: 9/28/12

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: 717-06-03 / OBGTW PM

Monitoring Well Number(s): LF6MW-20, -31, -39, LF6VMW-26, LF6TW-33, -34, -35, -36 and -38

Sampling Date: 4/28/12

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☒	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☒	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☒	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☒	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☒	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☒	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☒	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☒	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☒	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☒	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☒	☐	☐	☐
12. Was a field sampling form completed?	☒	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☒	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☒	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☒	☐	☐	☐

Corrective Actions:

QC Inspectors Signature: Katrina J. Mattice

Date: 9/28/12

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: 717-06-03 / OBGW PM

Site: Landfill 6

Monitoring Well Number(s): LF6MW-20, -31, -39, LF6VMW-26, LF6TW-33, -34, -35, -36 and -38

Residential Well(s): NA

Sampling Date: 09/28/12

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

	Packing, Storing, and Shipment of Samples	Yes	No	N/A
1.	Were the samples handled according to the Work Plans?	☑	☐	☐
2.	Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3.	Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4.	Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5.	Were CoC forms signed and dated by the preparer, placed in a resealable plastic bag, and the bag taped to the inside of the cooler lid?	☑	☐	☐
6.	Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7.	Was a shipping label attached to the cooler?	☐	☐	☑
8.	Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: Katrina J. Mathes

Date: 10/1/12

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 10/1/12

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Landfill 6, Building 817).

Weather conditions: Average temperature: 60°F Average barometric reading: 29.83
Wind direction and speed: West 12 mph
Significant wind changes: None

General description of tasks completed: Bladder pump sampling at Site Landfill 6 (LF6MW-16, -17). Bailer Sampling at Site Building 817 (B817-MW-001, -002, and -003).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: Bailer Sampling at Site Building 817 (B817-MW-001, -002, and -003) to assess the concentration of dissolved organic carbon.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

---

Corrective actions taken or instructions obtained from AFCEE personnel: None

---

Sampling shipment completed: √ Yes □ No LSL Courier.

DCQCR Prepared by: _____ Date: _____

CQCC Signature: Concordia Quarterman Date: 10/4/12

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM

Project: OBGW 717-06-03 Sampled by: JW/SN

Location and Site Code (**SITEID**): B817

Well No. (**LOCID**): B817-MW-001 Well Diameter (**SDIAM**): 1"

Date (**LOGDATE**): 10/1/12 Weather: RAIN 50°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

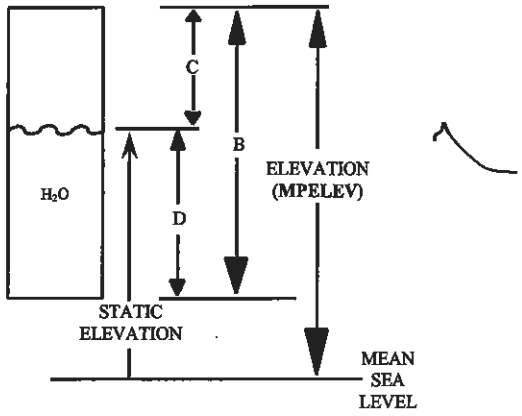
Measured Well Depth (B) (**TOTDEPTH**) 19.35 ft.

Measured Water Level Depth (C) (**STATDEP**) 11.22 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = 8.13 (D) ft.

Casing Water Volume (E) = ____ (A) x ____ (D) = .325 gal

Minimum Purge Volume = 0.9756 gal (3 well volumes)



Purge Date and Method: PENCIL BAILER

Physical Appearance/Comments: GRAY SILTY [illegible] 3 = 1.95gal
STRONG DECOMPOSING ODOR

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1504	.20	6.43	1.83	18.62	977	5.13	104
1506	.50	6.41	2.26	17.56	780	7.33	-99
1507	.60	WELL PURGED			DRY		
	.80						
	1.00						

Sample Time: 1610 Sample ID: 817M0111KA

Recharged to 80% water level prior to sample

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: OBGW 717-06-03 Sampled by: JW/ SN

Location and Site Code (**SITEID**): B817

Well No. (**LOCID**): B817-MW-02 Well Diameter (**SDIAM**): 1"

Date (**LOGDATE**): 10/1/12 Weather: Sunny 55°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

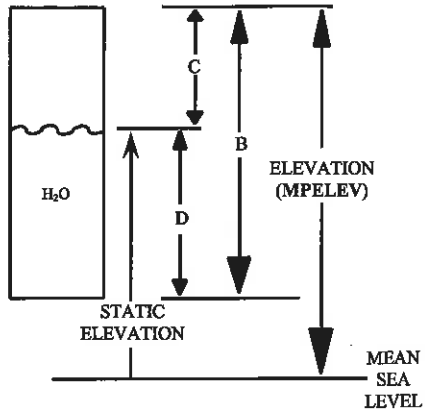
Measured Well Depth (B) (**TOTDEPTH**) 16.50 ft.

Measured Water Level Depth (C) (**STATDEP**) 10.05 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = 6.45 (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = 0.258 gal

Minimum Purge Volume = 0.774 gal (3 well volumes)



Purge Date and Method: 10/1/12 PENCIL BAILER

Physical Appearance/Comments: SILTY GREY, STRONG DECOMPOSITION ODOR

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1515	.25	6.38	3.70	18.26	0.0	2.06	24
1517	.35	BAILED	DRY	@ .35 GALLONS			

Sample Time: 1620 Sample ID: B17MD110KA

well recharged to 80% water level prior to sample

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: OBGW-717-0603 Sampled by: JW/SN

Location and Site Code (**SITEID**): B817

Well No. (**LOCID**): B817-MW-003 Well Diameter (**SDIAM**): 1"

Date (**LOGDATE**): 10/1/12 Weather: Sunny 55°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

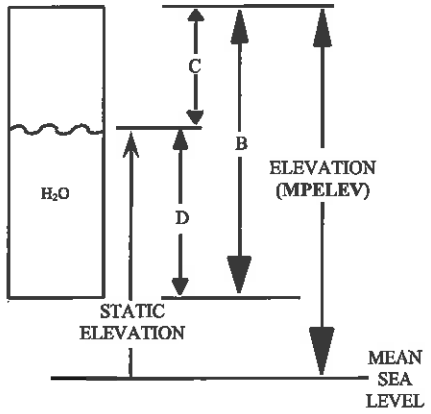
Measured Well Depth (B) (**TOTDEPTH**) 20.70 ft.

Measured Water Level Depth (C) (**STATDEP**) 10.70 ft.

Length of Static Water Column (D) = (B) 20.70 - (C) 10.70 = (D) 10 ft.

Casing Water Volume (E) = (A) _____ x (D) 10 = .4 gal

Minimum Purge Volume = 1.2 gal (3 well volumes)



Purge Date and Method: PENCIL BAILER 10/1/12

Physical Appearance/Comments: SILTY GREY, STRONG DECOMPOSING ODOR.

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1530	.25	7.07	0.910	20.37	977	3.41	-114
1533	.5	7.10	0.851	19.98	<1000	3.01	-107
1536	.75	7.13	0.808	19.60	<1000	2.65	-99
1539	1.0	7.13	0.790	19.51	<1000	2.31	-95
1542	1.25	7.13	0.770	19.43	<1000	2.11	-90

Sample Time: 1545 Sample ID: 817M0310KA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: PK MG

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6mw-16 Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 10-1-12 Weather: 60 Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

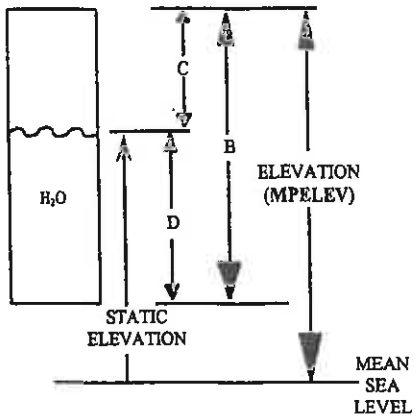
Measured Water Level Depth (C) (**STATDEP**) 4.73 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 45

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): purge 1390ml



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear no odor / slight Sulfur odor

Dissolved Ferrous Iron (mg/L): NA

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1050	4.88	5.78	1.69	18.35	0.0	0.0	-56	200
1052	4.88	5.75	1.69	18.38	0.0	0.0	-59	200
1054	4.88	5.79	1.69	18.27	0.0	0.0	-60	200
1056	4.88	5.79	1.69	18.28	0.0	0.0	-62	200
1058	4.88	5.79	1.69	18.25	0.0	0.0	-63	200

Sample Time: 1102 Sample ID: LF6M1645KA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-0603 Sampled by: JC MG

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6MW-17 Well Diameter (**SDIAM**): 2

Date (**LOGDATE**): 10-1 Weather: 60 Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

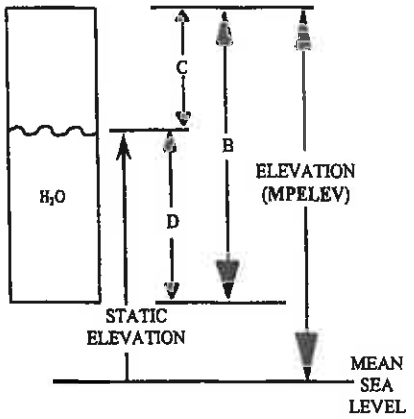
Measured Water Level Depth (C) (**STATDEP**) 5.27 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 50

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): Purge 1500 mL



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments: Clear - slight sulfur odor

Dissolved Ferrous Iron (mg/L): NA

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1120	5.44	5.70	2.01	14.73	0.0	0.0	-34	200
1122	5.44	5.72	1.98	14.64	0.0	0.0	-32	200
1124	5.44	5.73	1.97	14.67	0.0	0.0	-28	200
1126	5.44	5.73	1.96	14.66	0.0	0.0	-28	200
1128	5.44	5.71	1.95	14.66	0.0	0.0	-30	200

Sample Time: 1132 Sample ID: LF6M1750KA, KC

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 10-1-12

CALIBRATOR(S) NAME: Peter Corgliano

EQUIPMENT SUPPLIER(S): FPM

PHOTOIONIZATION DETECTOR

Equipment Model:

Serial Number: NA

Calibration Gas (circle): Isobutylene 100 ppm or Other:

NOTES:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER

Equipment Model: Horiba #1

Serial Number: #1

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	3.99	(YES) / NO	4.00	D.O. 8.18
Conductivity Standard:	4.49 mS/cm	4.48	(YES) / NO	4.41	D.O. 8.47 (END)
Turbidity Standard:	0 NTU	1.0	(YES) / NO	0.1	
		DO Temperature		DO Temperature	
Dissolved Oxygen [illegible]:	0.0 mg/L	NA	YES / NO	NA	
	Fresh Air Saturation (mg/L)	8.18	(YES) / NO	8.47	Saturation temperature dependent.

GROUNDWATER QUALITY METER

Equipment Model: Horiba #2

Serial Number: #2

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.01	(YES) / NO	3.99	D.O. 8.34
Conductivity Standard:	4.49 mS/cm	4.48	(YES) / NO	4.49	D.O. 8.93 (END)
Turbidity Standard:	0 NTU	0.0	(YES) / NO	0.2	
		DO Temperature		DO Temperature	
Dissolved Oxygen [illegible]:	0.0 mg/L	NA	YES / NO	NA	
	Fresh Air Saturation (mg/L)	8.34	(YES) / NO	8.93	Saturation temperature dependent.

OTHER

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: K. Mattice	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
817M01 11 KA	B817-MW-001	10/1	1610	WG	B	N	0/0	1	-	-	1	-	
817M02 10 KA	B817-MW-002	10/1	1620	WG	B	N	0/0	1	-	-	1	-	
817M03 10 KA	B817-MW-003	10/1	1545	WG	B	N	0/0	1	-	-	1	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/3/12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0940	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 9/14	#2 Received by: (Sig) Bill Donaldson	Date: 10-3-12	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 9:45	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _284_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: K. Mattice	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
LF6M1645KA	LF6MW-16	10/1	1109	WG	BP	N	0/0	7	3	1	1	2	
LF6M1750KA	LF6MW-17	10/1	1132	WG	BP	N	0/0	7	3	1	1	2	
LF6M1750KC	LF6MW-17	10/1	1132	WG	BP	FD	0/0	7	3	1	1	2	
100112KE	FIELDQC	10/1	1645	WQ	BP	EB	0/0	7	3	1	1	2	
100112KF	FIELDQC	10/1	1140	WQ	NA	AB	0/0	2	2	-	-	-	
100112KR	FIELDQC	10/1	930	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date 10/3/12	#3 Released by: (Sig)	Date:
Company Name: .	Time:	Company Name:	Time: 0940	Company Name:	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donellan	Date: 10-3-12	#3 Received by: (Sig)	Date:
		Life Science Labs	9:45		

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 10/1/12

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: _____

_____

_____

_____

Any required corrective action: _____

_____

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 10/1/12 *Time :* 0900

Location: FPM office (garage)

Weather Conditions: Rain → sun, 60°F, 29.83, West 12mph

Meeting Type: Daily Health and Safety

Personnel Present:

Pete Corigliano, Spencer Noyes, Josh Wenzel, Mark Garfasi

Visitors Present: NONE

Visitor Training: NONE

PPE Required: Modified D

Possible risks, injuries, concerns:

cold stress, slip, trips, falls.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NO

Property Damage:

NO

Description (include sequence of events describing step by step how incident happened):

NO

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

NO

Report made by (Name): Katrina Mattia

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03

AHA Number: 6

Job Location: UF61 B817

Date: 10/1/12

Name of Trainer: Kathrina Mathew

Subjects/AHAs Covered: cold stress, slip, trips, falls

Training Aids Used: ND

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Katrina Mattia Date: 10/1/12

Current Weather Conditions:

Temperature (°F) = 60 Wind Direction = W Wind Speed = 12 mph

Clear - (Sunny) - Cloudy - (Rain) - Snow Forecast = Rain → sun

Current Site Conditions (circle as appropriate): Dry - (Wet) - Muddy - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☑ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities: NO

3. Activities Taking Place Today: low flow sampling @ LF6 and Bailer sumpling @ B817

3. Anticipated Hazards: Cold Stress

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards:

warm, dry clothes, rain gear
PPE - steel toes

5. Additional Safety Topic or Comments: NO

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Peter Coriglione		FPM
SPENCER NIES		FPM
Mark Carifasi		FPM
Josh Wenzel		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: 117-06-03/0BGW PM Date: 10/1/12

~~Name:~~ _____ Time: 1600

Any items that have been found deficient must be corrected before work or use.
This checklist includes, but is not limited to, the following:

	Yes	No
Safe Access and Workspace		
Are safe access and adequate space for movement available for:	✓	
Emergencies	✓	
Work area	✓	
Walkways and passageways		
Are ladders, stairways, and elevators properly located and functioning?	NA	
Is protection provided for floor and roof openings?	NA	
Is overhead protection provided for all areas of exposure?	NA	
Is lighting adequate?	✓	
Planning Work for Safety		
Are employees provided with all required protective equipment?	✓	
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?	✓	
Is all temporary flooring, safety nets, and scaffolding provided where required?	✓	
Utilities and Services Identification	✓	
High voltage lines	NA	
Have all been identified by signs?	NA	
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?	NA	
Sanitary Facilities		
Drinking water	✓	

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

	Yes	NO
Are toilet facilities adequate?	✓	
Work Procedures – Materials Handling		
Is material handling space adequate?	✓	
Is material handling equipment adequate and proper?	✓	
Is material handling equipment in good condition?	✓	
Physicals Hazards		
Slip, trip, fall hazards	✓	
Heat or cold stress	✓	
Pinch points	✓	
Insect bites	✓	
Muscle strain from improper lifting	✓	
Noise exposure	NA	
Chemical Hazards		
Inhaling, touching, ingesting contaminants	✓	
Review and Reporting		
AHAs reviewed daily?	✓	
Incidents/Near Miss reported?	NA	
Other (e.g., tunnels, excavations, shafts)		

Comments:

(Use additional pages if necessary)

HEALTH AND SAFETY CHECKLIST

Project Name/Number: OBGW PM / 717-06-03

Site: Building 817

Date: 10/1/12

Personnel Observed and Locations:

Josh Wenzel, Spencer Noyes

Complete weekly for each site. Answer each question by checking the appropriate column (yes, no, or N/A). If a **No** *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Documentation	**Yes**	**No**	**N/A**
1. Is the APP/SSHP on-site?	☑	☐	☐
2. Has the APP/SSHP been reviewed, dated, and signed within the last year?	☐	☑	☐
3. Are the tasks being completed reflected in the hazard task analysis?	☑	☐	☐
4. Is there a written acknowledgement that all employees, including subcontractors have been briefed and read the APP/SSHP?	☑	☐	☐
5. Are the following training records current and available in the field:			
• 40-Hour HAZWOPER/8-hour refresher for ALL employees and subcontractors?	☑	☐	☐
• 24 Hours Supervised Field Experience?	☑	☐	☐
• 8-Hour HAZWOPER Annual Refresher?	☑	☐	☐
• CPR/First Aid?	☑	☐	☐
• 8-Hour Hazardous Waste Site Supervisor, and refresher?	☐	☐	☐
• Initial Site Health and Safety Briefing?	☑	☐	☐
• Site Health and Safety Briefing for each location or site?	☑	☐	☐
6. Are emergency maps posted at the Site and maintained in vehicles?	☑	☐	☐
7. Was the route to the hospital driven prior to beginning field work?	☑	☐	☐
8. Was the hospital ER/EMS informed of the work, dates and times of field operations, and provided a map to the site?	☐	☐	☑

HEALTH AND SAFETY CHECKLIST

	Yes	No	N/A
9. Were daily safety checklists completed and fire extinguishers checked?	☑	☐	☐
10. Were applicable Material Safety Data Sheets at the Site?	☑	☐	☐
11. Are documents current and available that indicate employees and subcontractors are medically fit to work and wear the required personal protective equipment?	☑	☐	☐
12. Were wells allowed to vent for 5 to 10 minutes after opening and prior to sampling?	☑	☐	☐
Observations	☐	☐	☐
13. Are exclusion zones and contaminant reduction zone adequately marked?	☐	☐	☑
14. Is required personal protective equipment available and correctly used, maintained, and stored?	☑	☐	☐
15. Is the following emergency equipment located at each site:	☐	☐	☐
• Fire extinguisher?	☑	☐	☐
• Eyewash (15 minutes fresh water)?	☑	☐	☐
• Communications (walkie-talkie or phone)?	☑	☐	☐
• First aid kit?	☑	☐	☐
16. Is the buddy system in use?	☑	☐	☐
17. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐
18. Is air monitoring equipment being used appropriately?	☐	☐	☑
19. Is the site organized to allow the use of lifting equipment, and avoid tripping hazards and spreading contamination?	☑	☐	☐
20. Was a random employee asked if he/she know site hazard and emergency procedures?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: Katrina J. Mattice

Printed Name and Title: Katrina Mattice, FOM

Date: 10/1/12

DECONTAMINATION CHECKLIST

Project Name/Number: OBGWPM / 717-06-03

Site: LF6 / B817

Boring/Monitoring Well Number(s): LF6MW-16, -17 and B817-MW-001, -002, and -003

Date: 10/1/12

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A).
If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions:

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: Katrina L. Mattice

Printed Name and Title: Katrina Mattice, FOM

Date: 10/1/12

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: GBGW PM / 717-06-03

Site: Landfill 6, Building 817

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	Yes	No	N/A
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Field sampling Forms	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: NA

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: Katrina J. Mattice

Printed Name and Title: Katrina Mattice, POM

Date: 10/1/12

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: OBGW PM/717-06-03

Monitoring Well Number(s): LFGMW-16, -17, B817-MW-001, -002, and -003

Sampling Date:

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☒	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☒	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☒	☐	☐	☐

Corrective Actions: NO

QC Inspectors Signature: Katrina J. Mattice

Date: 10/1/12

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: OBGW PM / 717-06-03

Site: Landfill 6, Building B17

Monitoring Well Number(s): LF6MW-16, -17, B817-MW-001, -002 and -003

Residential Well(s): NO

Sampling Date: 10/11/12

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

	Packing, Storing, and Shipment of Samples	Yes	No	N/A
1.	Were the samples handled according to the Work Plans?	✓	☐	☐
2.	Was preservative verified to be present in pre-preserved containers prior to sample collection?	✓	☐	☐
3.	Did the samples remain on ice from collection until cooler was taped for shipment?	✓	☐	☐
4.	Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	✓	☐	☐
5.	Were CoC forms signed and dated by the preparer, placed in a resealable plastic bag, and the bag taped to the inside of the cooler lid?	✓	☐	☐
6.	Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	✓	☐	☐
7.	Was a shipping label attached to the cooler?	☐	☐	✓
8.	Was custody documentation intact until receipt by the laboratory?	✓	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: Katrina Mattice

Date: 10/3/12

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 3/11/13

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Building 775).

Weather conditions: Average temperature: 49 °F Average barometric reading: 30.04
Wind direction and speed: East 12 mph
Significant wind changes: None

General description of tasks completed: Bladder pump sampling at Site Building 775 (775VMW-5, -8, -10, 775MW-6, -19R, -20, -27, -28, 775EW-1, and 775EF-1)

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

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Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: During sampling, several of the wells (775VMW-10, -19R and 775MW-28) exhibited unusually high DO readings (>14 mg/L). No issues were reported during pre-sampling calibration last week and on the day of sampling. These high DO readings occurred with one of the sampling team's Horiba. After sampling, the calibrations of that team's Horiba were checked; the 0 calibration was correct, the ambient air calibration read up to 18 mg/L with widely changing readings. The DO probe fluid was replaced and the calibration re run. The calibrations appeared correct. The team returned to the monitoring wells with the high DO readings with the other team's Horiba to confirm the recorded high DO readings. Three additional readings of all parameters were collected and recorded and the DO readings were in line with historic DO readings collected at these three monitoring wells.
The recalibrated Horiba with the changed DO fluid was brought to the site again to confirm the re-calibration. Again, DO readings were >14 mg/L. Due to these untrustworthy reading after a seemingly correct calibration, an equipment rental company was called to reserve a trustworthy Horiba and to schedule maintenance on the high DO reading Horiba.

Corrective actions taken or instructions obtained from AFCEE personnel: None.

Sampling shipment completed: □ Yes √ No LSL Courier will pick the samples up on Wednesday.

DCQCR Prepared by: Niels van Hoesel, FOM Date: 3/11/13

CQCC Signature: Cornelia van Hoesel Date: 3/15/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
✓	✓ Field sampling forms
✓	✓ Equipment Calibration Log
✓	✓ Copies of COCs
✓	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JW/MG

Location and Site Code (SITEID): Bldg 775

Well No. (LOCID): 775VMW-5 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/11/13 Weather: Cloudy / 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

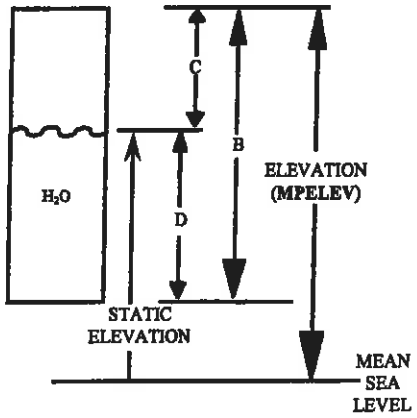
Measured Water Level Depth (C) (STATDEP) 60.20 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 70ft

Depth during Purging/Sampling: 60.41 - 60.46 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3/11/13

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): N/A

Remove 1,940 mL H2O prior to readings.

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1444	60.41	7.65	1.33	15.25	2.8	7.25	129	100
1448	60.41	7.46	1.46	15.35	3.5	7.00	139	100
1452	60.41	7.41	1.58	15.26	5.9	6.81	143	100
1456	60.41	7.38	1.59	15.18	5.4	6.61	147	100
1500	60.41	7.37	1.61	15.06	5.1	6.57	149	100

Sample Time: 1502 Sample ID: 775VM05760A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JW/MB

Location and Site Code (SITEID): Bldg 775

Well No. (LOCID): 775MW-6 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/11/13 Weather: cloudy/ 45°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

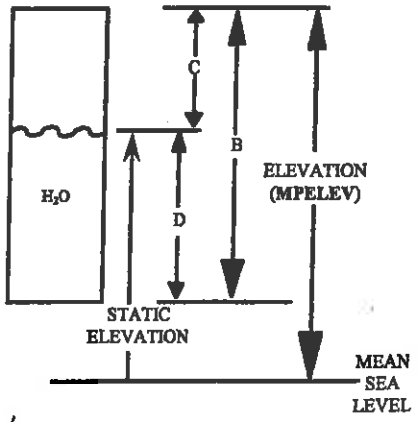
Measured Water Level Depth (C) (STATDEP) 60.30 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 73ft

Depth during Purging/Sampling: 60.38 ~~60.38~~ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3/11/13

Physical Appearance/Comments: clear no odor

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS: Remove 2.0x mL H_2O prior to reading

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1326	60.38	7.62	0.820	13.61	10.4	5.25	93	200
1328	60.38	7.62	0.820	13.68	9.2	4.64	93	200
1330	60.38	7.61	0.819	13.71	9.6	4.57	93	200
1332	60.38	7.61	0.819	13.76	8.4	4.39	93	200
1334	60.38	7.60	0.819	13.77	7.9	4.25	93	200

Sample Time: 1338 Sample ID: 775MW6730A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-46-03 Sampled by: JW/MB

Location and Site Code (SITEID): Bldg 775

Well No. (LOCID): 775VMW-8 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/11/13 Weather: Cloudy / 45°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

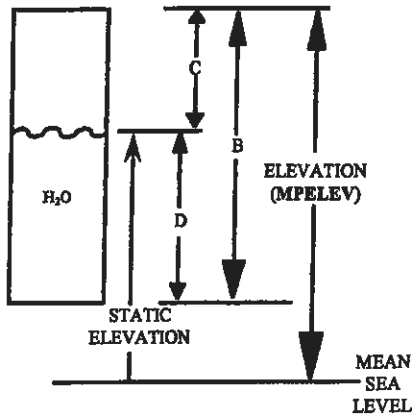
Measured Water Level Depth (C) (STATDEP) 61.64 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 73ft.

Depth during Purging/Sampling: 61.82' - 61.85' ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3/11/13

Physical Appearance/Comments: Water is clear, no odor

Dissolved Ferrous Iron (mg/L): N/A

Remove 2,000 mL H_2O prior to readings.

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1358	61.82	7.87	0.853	12.58	38.1	7.02	93	125
1401	61.82	7.83	0.879	12.74	21.6	5.74	96	125
1404	61.82	7.80	0.913	12.76	12.6	5.19	98	125
1407	61.82	7.76	0.970	12.82	36.7	4.33	100	125
1410	61.82	7.75	0.996	12.87	38.1	3.99	101	125
1413	61.82	7.74	1.01	12.88	30.6	3.49	102	125
1416	61.82	7.74	1.02	12.90	31.2	3.36	102	125
1419	61.82	7.73	1.03	12.90	37.3	3.24	103	125

Sample Time: 1420 Sample ID: 775VMOB730A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: H7-06-03 Sampled by: KM / MG

Location and Site Code (SITEID): Building 775

Well No. (LOCID): 775VMW-10 Well Diameter (SDIAM): 2in Ch

Date (LOGDATE): 3/11/13 Weather: overcast / 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

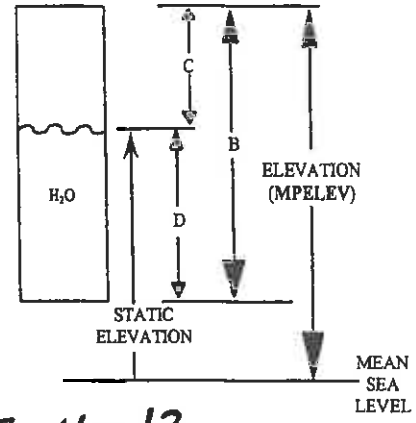
Measured Water Level Depth (C) (STATDEP) 61.02 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 95

Depth during Purging/Sampling: 61.02-61.15 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 3-11-13

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 2490 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1355	61.02	8.46	0.603	13.17	3.6	16.47	95	200
1357	61.02	8.39	0.597	13.08	4.6	15.64	97	200
1359	61.02	8.37	0.595	12.98	5.3	15.50	98	200
1401	61.02	8.36	0.594	12.97	5.5	15.66	106	200
1403	61.02	8.35	0.593	12.99	6.8	15.67	107	200
1405	61.02	8.36	0.593	12.95	7.4	15.62	101	200

Sample Time: 1411 Sample ID: 775VM10950A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: VM/MG

Location and Site Code (SITEID): Building 775

Well No. (LOCID): 775VMW-19R Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/11/13 Weather: Overcast/45F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

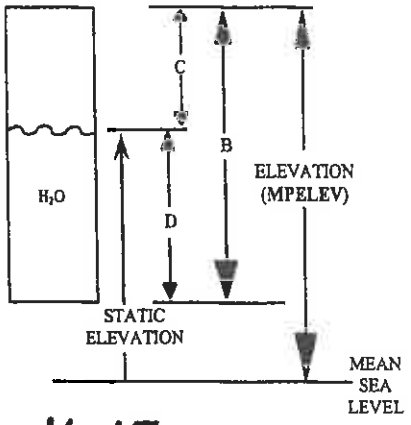
Measured Water Level Depth (C) (STATDEP) 61.77 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 67

Depth during Purging/Sampling: 61.77-61.87 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3-11-13

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L)~~: Min purge vol = 1874mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1445	61.77	8.54	0.146	12.05	9.3	15.79	111	100
1449	61.77	8.54	0.144	12.10	9.0	14.96	114	100
1453	61.77	8.55	0.142	12.10	8.5	15.02	117	100
1457	61.77	8.55	0.143	12.01	9.7	15.07	120	100
1501	61.77	8.55	0.143	12.04	9.9	15.16	121	100

Sample Time: 1511 Sample ID: 775VM19R670A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): Building 775

Well No. (LOCID): 775MW-20 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/11/13 Weather: overcast / 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

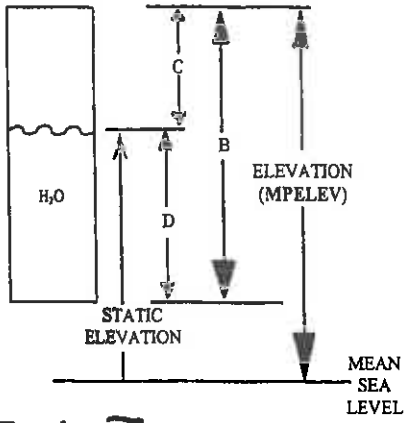
Measured Water Level Depth (C) (STATDEP) 65.08 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 115

Depth during Purging/Sampling: 65.08 - 65.25 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 3-11-13

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L)~~ Min purge vol = 2930 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1058	65.08	7.55	0.714	12.37	0.9	7.57	86	200
1100	65.08	7.52	0.673	12.56	0.9	5.88	91	200
1102	65.08	7.52	0.643	12.66	0.5	4.99	92	200
1104	65.08	7.56	0.623	12.72	0.6	3.73	91	200
1106	65.08	7.63	0.612	12.75	0.9	2.95	86	200
1108	65.08	7.70	0.613	12.76	0.8	2.01	77	200
1110	65.08	7.79	0.620	12.77	1.0	1.35	63	200
1112	65.08	7.85	0.625	12.73	0.6	1.13	44	200
1114	65.08	7.87	0.629	12.71	0.7	1.03	28	200
1116	65.08	7.91	0.634	12.72	0.7	0.84	11	200
1118	65.08	7.94	0.640	12.73	1.0	0.63	-8	200

Sample Time: _____ Sample ID: 775MW20113OA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): Building 775

Well No. (LOCID): 775MW-20 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/11/13 Weather: overcast/45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

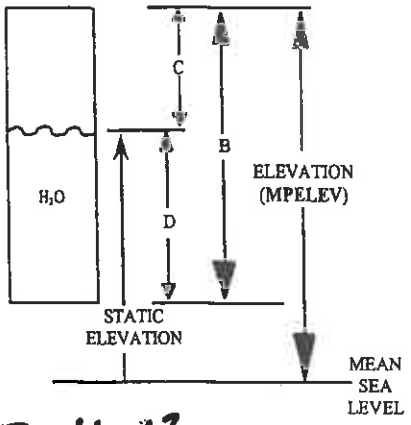
Measured Water Level Depth (C) (STATDEP) 65.08 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 115

Depth during Purging/Sampling: 65.08 - 65.25 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3-11-13

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 2930mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1120	65.08	7.96	0.643	12.68	1.0	0.68	-15	200
1122	65.08	7.98	0.647	12.69	1.0	0.55	-26	200
1124	65.08	8.00	0.651	12.68	1.0	0.50	-34	200
1126	65.08	8.01	0.654	12.67	1.0	0.45	-40	200
1128	65.08	8.03	0.655	12.68	1.0	0.47	-44	200

Sample Time: 1131 Sample ID: 775M20 1150A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: MP-06-03 Sampled by: JW/MG

Location and Site Code (SITEID): Bldg 775

Well No. (LOCID): 775MW-27 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/11/13 Weather: cloudy / 50°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

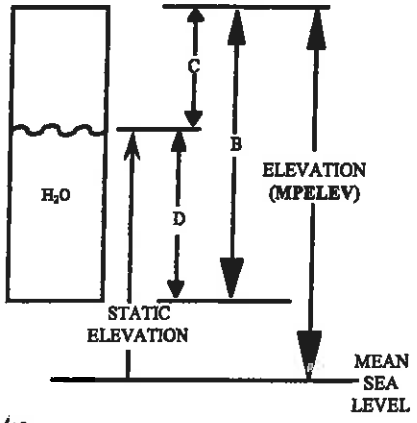
Measured Water Level Depth (C) (STATDEP) 59.50 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 71 ft.

Depth during Purging/Sampling: 59.45 - 59.50 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3/11/13

Physical Appearance/Comments: cloudy / iron floc / no odor * Poor check valve *

Dissolved Ferrous Iron (mg/L): N/A

Remove 1962 mL H_2O prior to readings.

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1132	59.45	7.47	0.763	14.10	67.1	6.42	103	100
1136	59.45	7.42	0.849	14.19	53.5	6.46	105	100
1140	59.45	7.41	0.851	14.22	25.4	6.90	108	100
1144	59.45	7.44	0.851	14.20	17.7	6.75	110	100
1148	59.45	7.44	0.854	14.15	16.3	6.79	112	100

Sample Time: 1150 Sample ID: 775MW27711SA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): Building 775

Well No. (LOCID) ~~775~~ MW-28 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/11/13 Weather: Overcast / 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

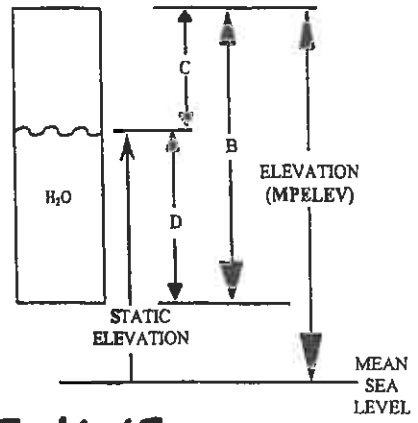
Measured Water Level Depth (C) (STATDEP) 62.37 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 80

Depth during Purging/Sampling: 62.37-62.47 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3-11-13

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L):~~ min purge vol = 2160mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1154	62.37	8.39	0.268	11.82	3.7	16.48	76	200
1156	62.37	8.32	0.326	12.27	2.2	15.73	85	200
1158	62.37	8.32	0.377	12.48	1.5	15.31	88	200
1200	62.37	8.36	0.406	12.61	1.2	14.88	90	200
1202	62.37	8.38	0.412	12.64	1.6	14.95	91	200
1204	62.37	8.43	0.414	12.64	1.9	15.27	92	200
1206	62.37	8.44	0.414	12.66	2.0	15.40	93	200

Sample Time: 1211 Sample ID: 775MW2880DA/C/S/D

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JW

Location and Site Code (SITEID): Bldg. 775

Well No. (LOCID): 775EW-1 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/11/13 Weather: Cloudy / 50°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

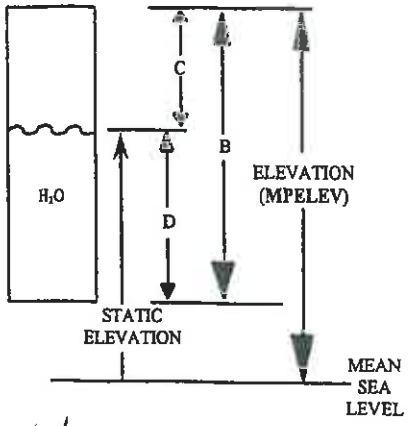
Measured Water Level Depth (C) (STATDEP) 59.85 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 75ft.

Depth during Purging/Sampling: 59.85' - 59.96' ft (provide range)

Comments (re: Depth during purging/sampling): ~~59.85' - 59.96'~~



Purge Date and Method: BLADDER PUMP 3/11/13

Physical Appearance/Comments: cloudy / red (iron) / no odor

Dissolved Ferrous Iron (mg/L): N/A

Remove 2,050 mL H_2O prior to readings

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1015	59.85	7.38	1.72	14.99	7999	11.87	75	200
1017	59.85	7.39	1.73	14.96	7999	10.73	76	200
1019	59.85	7.39	1.74	15.02	7999	9.58	80	200
1021	59.85	7.39	1.75	14.97	7999	9.21	82	200
1023	59.85	7.39	1.75	14.94	782	8.88	85	200
1025	59.85	7.39	1.76	14.95	700	8.85	86	200
1027	59.85	7.39	1.76	14.91	590	8.76	88	200
1029	59.85	7.39	1.77	14.91	460	8.55	90	200
1031	59.85	7.39	1.77	14.96	428	8.49	91	200
1033	59.85	7.39	1.77	14.89	360	8.42	92	200
1035	59.85	7.39	1.77	14.89	330	8.36	93	200

Sample Time: _____ Sample ID: 775E01750A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JW

Location and Site Code (SITEID): Bldg 775

Well No. (LOCID): 775EW-01 Well Diameter (SDIAM): _____

Date (LOGDATE): 3/11/13 Weather: Cloudy / 50°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

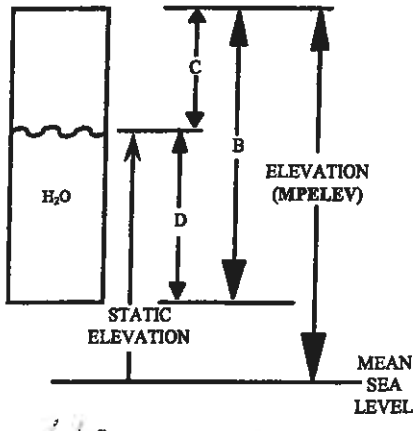
Measured Water Level Depth (C) (STATDEP) 59.85 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 75ft

Depth during Purging/Sampling: ~~75~~ 59.85' - 59.98' ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3/11/13

Physical Appearance/Comments: cloudy / red (iron) / no odor → becomes clear (H2O)

Dissolved Ferrous Iron (mg/L): N/A

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1037	59.85	7.39	1.77	14.90	302	8.31	93	200
1039	59.85	7.40	1.77	14.94	269	8.25	94	200
1041	59.85	7.39	1.77	14.86	239	8.16	95	200
1043	59.85	7.39	1.77	14.86	222	8.13	95	200
1045	59.85	7.39	1.77	14.87	216	8.10	95	200
1047	59.85	7.39	1.77	14.87	211	8.08	95	200

Sample Time: 1048 Sample ID: 775E01750A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-06-03 Sampled by: VM/MG

Location and Site Code (**SITEID**): B775

Well No. (**LOCID**): 775EF-1 Well Diameter (**SDIAM**): MH

Date (**LOGDATE**): 3/11/13 Weather: overcast / 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

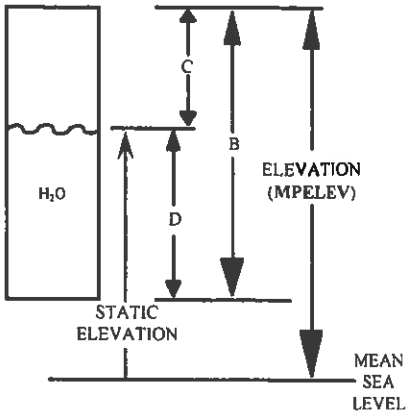
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: grab / 3-11-13

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1005	X	8.84	1.41	16.06	2.9	0.38	-18

Sample Time: 1015 Sample ID: 775EFQ1810A

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): B775

Well No. (LOCID): 775VMW-10 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/11/13 Weather: Overcast / 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

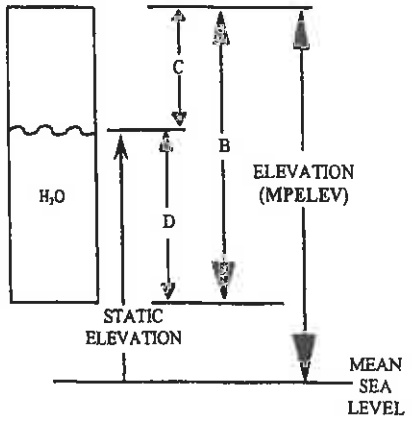
Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP

Physical Appearance/Comments:

Dissolved Ferrous Iron (mg/L):

FIELD MEASUREMENTS: ~~Horiba #2~~

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1621		7.78	0.522	13.31	14.2	6.53	92	200
1625		7.74	0.528	13.85	15.2	6.38	100	200
1629		7.76	0.524	13.91	13.5	6.53	102	200
		~~Horiba #1~~						
1630		9.81	0.635	16.33	22.1	13.40	39	
1634		8.87	0.601	14.43	19.7	14.78	52	

Sample Time: _____ Sample ID: _____

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): Building 775

Well No. (LOCID): 775/MW-19R Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/11/13 Weather: overcast / 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

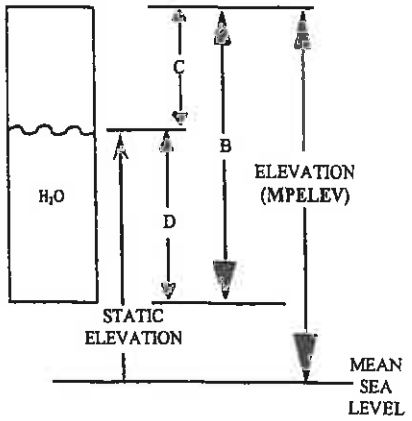
Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: _____

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS: & Horiba #2 &

Allowable Range: ± 0.1 ± 3% ± 10% ± 10% ± 10mV

Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1650		8.11	0.138	11.26	10.6	7.58	100	200
1654		7.98	0.135	12.44	10.4	6.42	106	200
1658		7.96	0.133	12.99	16.2	6.53	109	200

Sample Time: _____ Sample ID: _____

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): B775

Well No. (LOCID): 775MW-20 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/11/13 Weather: Overcast / 48°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

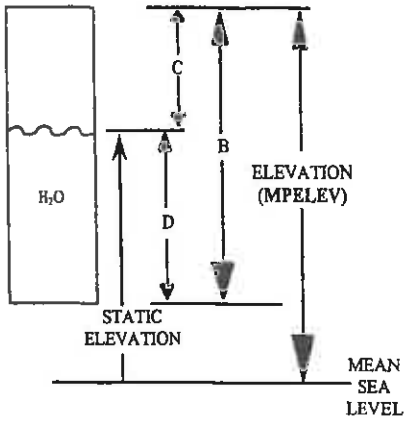
Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: _____

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS: *Horiba #2*

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1602		7.79	0.575	15.06	0.0	1.16	83	200
1606		7.59	0.581	14.33	0.0	0.82	88	200
1610		7.53	0.583	14.28	0.0	0.54	89	200

Sample Time: _____ Sample ID: _____

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MK

Location and Site Code (SITEID): Building 775

Well No. (LOCID): 775MW-28 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/11/13 Weather: overcast / 45°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

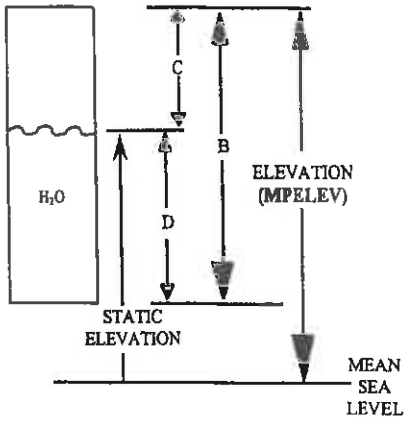
Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: _____

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS: & Horiba #2 ✓

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1708		7.95	0.326	13.46	9.5	5.89	120	100
1712		8.07	0.318	13.37	2.0	6.08	117	100
1716		8.08	0.331	13.55	5.8	7.10	119	100

Sample Time: _____ Sample ID: _____

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 3/11/13

CALIBRATOR(S) NAME: JW

PMENT SUPPLIER(S): ~~Horiba U-50 #1~~ FPM

PHOTOIONIZATION DETECTOR

Equipment Model: NA

Ambient Air: ppm

Serial Number:

Calibration Concentration: ppm

Calibration Gas (circle): Isobutylene 100 ppm or Other:

Post Calibration Reading: ppm

NOTES:

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER Horiba U-50 #1

Equipment Model:

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.0	(YES) / NO		* FPM Horiba #1 having problems w/ D.O. sensor. Will have to go to Pine Environ. for repairs *
Conductivity Standard:	4.49 mS/cm	4.49	(YES) / NO		
Turbidity Standard:	0 NTU	0	(YES) / NO		

		D.O.	Temperature/ Saturation		D.O.	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	NA	(YES) / NO	0.0		
	Fresh Air Saturation (mg/L)	9.3	23.0	(YES) / NO			Saturation temperature dependent.

GROUNDWATER QUALITY METER Horiba U-50 #2

Equipment Model:

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.0	(YES) / NO	3.99	
Conductivity Standard:	4.49 mS/cm	4.49	(YES) / NO	4.49	
Turbidity Standard:	0 NTU	0	(YES) / NO	0	

		D.O.	Temperature/ Saturation		D.O.	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	NA	(YES) / NO	0.0		
	Fresh Air Saturation (mg/L)	9.3	23.0	(YES) / NO			Saturation temperature dependent.

OTHER

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _286_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
775VM0570OA	775VMW-5	3/11	1502	WG	BP	N	0/0	3	3	
775M0673OA	775MW-6	3/11	1338	WG	BP	N	0/0	3	3	
775VM0873OA	775VMW-8	3/11	1420	WG	BP	N	0/0	3	3	
775VM1095OA	775VMW-10	3/11	1411	WG	BP	N	0/0	3	3	
775VM19R67OA	775MW-19R	3/11	1511	WG	BP	N	0/0	3	3	
775M20115OA	775MW-20	3/11	1131	WG	BP	N	0/0	3	3	
775M2771OA	775MW-27	3/11	1152	WG	BP	N	0/0	3	3	
775M2880OA	775MW-28	3/11	1211	WG	BP	N	0/0	3	3	
775M2880OC	775MW-28	3/11	1211	WG	BP	FD	0/0	3	3	
775M2880OS	775MW-28	3/11	1211	WG	BP	MS	0/0	3	3	
775M2880OD	775MW-28	3/11	1211	WG	BP	SD	0/0	3	3	
775E0175OA	775EW-1	3/11	1048	WG	BP	N	0/0	3	3	
775EF0101OA	775EF-1	3/11	1015	WG	G	N	0/0	3	3	
031113OE	FIELDQC	3/11	1025	WQ	BP	EB	0/0	3	3	
031113OF	FIELDQC	3/11	1020	WQ	NA	AB	0/0	3	3	
031113OR	FIELDQC	3/11	0900	WQ	NA	TB	0/0	2	2	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:
Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/13/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 9:55	Company Name:	Time:
#1 Received by: (Sig) Josh Wenzel	Date: : 3/5/13	#2 Received by: (Sig) Bill Donaldson	Date: 3-13-13	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 10:00	Company Name: Life Science Labs	Time: 10:00	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 3/11/13

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: ~~—~~

Any required corrective action: ~~—~~

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 3/11/13 *Time :* 9:20 pm

Location: FPM office (garage)

Weather Conditions: 50°F cloudy

Meeting Type: Daily Health and Safety

Personnel Present:

Katrina Mattice, Josh Wenzel, Mark Grifasi.

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

Traffic, splash, pump setup

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

none

Property Damage:

none

Description (include sequence of events describing step by step how incident happened):

—

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

—

Report made by (Name): Niels van Hoesel

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03

AHA Number: —

Job Location: 775

Date: 3/13/18

Name of Trainer: Niels van Hoesel

Subjects/AHAs Covered: traffic in sample location

Training Aids Used:

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Niels van Hoed Date: 3/11/13

Current Weather Conditions:

Temperature (°F) = 50 Wind Direction = _____ Wind Speed = _____

Clear - Sunny – (Cloudy) – Rain - Snow Forecast = dry

Current Site Conditions (circle as appropriate): (Dry) - Wet - Muddy - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☒ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities: none

3. Activities Taking Place Today: Sampling

3. Anticipated Hazards: traffic

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards:

Cones

5. Additional Safety Topic or Comments: ~

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Josh Wenzel		FPM
Mark Grifasi		Fpm
Katrina Mattice	Katrina Mattice	FPM
Michael Grifasi		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: OBGW 717-06-03 Date: 3/11/13

Name: OBGW Time: 9:45

Any items that have been found deficient must be corrected before work or use.

This checklist includes, but is not limited to, the following:

	Yes	No
Safe Access and Workspace		
Are safe access and adequate space for movement available for:		
Emergencies	✓	
Work area	✓	
Walkways and passageways	✓	
Are ladders, stairways, and elevators properly located and functioning?		N/A
Is protection provided for floor and roof openings?		N/A
Is overhead protection provided for all areas of exposure?		N/A
Is lighting adequate?	✓	
Planning Work for Safety		
Are employees provided with all required protective equipment?	✓	
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?		N/A
Is all temporary flooring, safety nets, and scaffolding provided where required?		N/A
Utilities and Services Identification		N/A
High voltage lines		N/A
Have all been identified by signs?		N/A
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?		N/A
Sanitary Facilities		
Drinking water	✓	

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

	Y	N	
Are toilet facilities adequate?			N/A
Work Procedures – Materials Handling			
Is material handling space adequate?			N/A
Is material handling equipment adequate and proper?			N/A
Is material handling equipment in good condition?			N/A
Physicals Hazards			
Slip, trip, fall hazards	✓		
Heat or cold stress		✓	
Pinch points		✓	
Insect bites		✓	
Muscle strain from improper lifting	✓		
Noise exposure		✓	
Chemical Hazards			
Inhaling, touching, ingesting contaminants	✓		
Review and Reporting			
AHAs reviewed daily?	✓		
Incidents/Near Miss reported?		✓	
Other (e.g., tunnels, excavations, shafts)			

Comments:

_____
_____
_____
_____
_____

(Use additional pages if necessary)

HEALTH AND SAFETY CHECKLIST

Project Name/Number: OBGW / 717-06-03

Site: Building 775

Date: 3/11/13

Personnel Observed and Locations: —

Complete weekly for each site. Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Documentation	**Yes**	**No**	**N/A**
1. Is the APP/SSHP on-site?	☑	☐	☐
2. Has the APP/SSHP been reviewed, dated, and signed within the last year?	☐	☐	☑
3. Are the tasks being completed reflected in the hazard task analysis?	☑	☐	☐
4. Is there a written acknowledgement that all employees, including subcontractors have been briefed and read the APP/SSHP?	☑	☐	☐
5. Are the following training records current and available in the field:			
• 40-Hour HAZWOPER/8-hour refresher for ALL employees and subcontractors?	☑	☐	☐
• 24 Hours Supervised Field Experience?	☑	☐	☐
• 8-Hour HAZWOPER Annual Refresher?	☑	☐	☐
• CPR/First Aid?	☑	☐	☐
• 8-Hour Hazardous Waste Site Supervisor, and refresher?	☑	☐	☐
• Initial Site Health and Safety Briefing?	☑	☐	☐
• Site Health and Safety Briefing for each location or site?	☑	☐	☐
6. Are emergency maps posted at the Site and maintained in vehicles?	☑	☐	☐
7. Was the route to the hospital driven prior to beginning field work?	☐	☑	☐
8. Was the hospital ER/EMS informed of the work, dates and times of field operations, and provided a map to the site?	☐	☑	☐

HEALTH AND SAFETY CHECKLIST

	Yes	No	N/A	
9. Were daily safety checklists completed and fire extinguishers checked?	☑	☐	☐	
10. Were applicable Material Safety Data Sheets at the Site?	☑	☐	☐	
11. Are documents current and available that indicate employees and subcontractors are medically fit to work and wear the required personal protective equipment?	☑	☐	☐	
12. Were wells allowed to vent for 5 to 10 minutes after opening and prior to sampling?	☑	☑	☐	
Observations	☐	☐	☐	
13. Are exclusion zones and contaminant reduction zone adequately marked?	☑	☐	☐	Cones
14. Is required personal protective equipment available and correctly used, maintained, and stored?	☑	☐	☐	
15. Is the following emergency equipment located at each site:	☐	☐	☐	
• Fire extinguisher?	☑	☐	☐	
• Eyewash (15 minutes fresh water)?	☑	☐	☐	
• Communications (walkie-talkie or phone)?	☑	☐	☐	
• First aid kit?	☑	☐	☐	
16. Is the buddy system in use?	☑	☐	☐	
17. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐	
18. Is air monitoring equipment being used appropriately?	☐	☐	☑	
19. Is the site organized to allow the use of lifting equipment, and avoid tripping hazards and spreading contamination?	☑	☐	☐	
20. Was a random employee asked if he/she know site hazard and emergency procedures?	☐	☑	☐	

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: _____

Printed Name and Title: NIELS VAN HOESEL,

Date: 3/11/13

DECONTAMINATION CHECKLIST

Project Name/Number: OBGW / 717-06-03

Site: Building 775

Boring/Monitoring Well Number(s): 775 VMW-5, -8, -10, 775 MW-6, -19R, -20, -27, -28, 775 EW-1, 775 EF-1

Date: _____

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A).
If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination **event** recorded in the field logbook?	✓			

Corrective Actions: —

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: _____

Printed Name and Title: NIELS VAN HOESEL, FOR

Date: 3/11/13

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: OB6W / 717-06-03

Site: Building 775

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	Yes	No	N/A
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Sampling forms	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: —

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: _____

Printed Name and Title: NIELS VAN HOESEL, Tom

Date: 3/11/13

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: OB6W / 717-06-03

Monitoring Well Number(s): 775VMW-5, -8, 775MW-6, -19R, -20, -27, -28, 775EW-1, 775EF-1

Sampling Date: 3/11/13

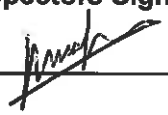
Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☐	☑	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☑	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☑	☐	☐	☐

Corrective Actions:

QC Inspectors Signature:



Date: 3/11/13

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: OB6W / 717-06-03

Site: Building 775

Monitoring Well Number(s): 775 VMW - 5, -8, -10, 775 MW - 6, -19R, -20, -27, -28, 775 EW-1, 775 EF

Residential Well(s): —

Sampling Date: 3/11/13

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Packing, Storing, and Shipment of Samples	Yes	No	N/A
1. Were the samples handled according to the Work Plans?	☑	☐	☐
2. Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3. Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4. Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5. Were CoC forms signed and dated by the preparer, ~~placed in a resealable plastic bag, and the bag taped to the inside of the cooler lid~~?	☑	☐	☐
6. Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7. Was a shipping label attached to the cooler?	☐	☐	☑
8. Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 3/12/13

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Apron 2 Chlorinated Plume).

Weather conditions: Average temperature: 36 °F Average barometric reading: 29.83
Wind direction and speed: West 9 mph
Significant wind changes: None

General description of tasks completed: Bladder pump sampling at Site Apron 2 Chlorinated Plume (782VMW-81, -100, -101, 105B, -121, and -121D). Surface water sampling at Site Apron 2 Chlorinated Plume (782SW-115, -118, and -119).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

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Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: Three of the monitoring wells (782VMW-100, -105B, and -121) did not stabilize below the 50 NTU level. 782VMW-100 stabilized at ~55 NTU, 782VMW-105B at ~58 NTU, and 782VMW-121 at ~131 NTU.

Corrective actions taken or instructions obtained from AFCEE personnel: None.

Sampling shipment completed: □ Yes √ No LSL Courier will pick the samples up on Wednesday.

DCQCR Prepared by: Niels van Hoesel, FOM Date: 3/11/13

CQCC Signature: Cornelia van Hoesel Date: 3/15/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
✓	✓ Field sampling forms
✓	✓ Equipment Calibration Log
✓	✓ Copies of COCs
✓	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-012-03 Sampled by: JW

Location and Site Code (SITEID): Area 2

Well No. (LOCID): WL-782VMW-31 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/12/13 Weather: Rain/40°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

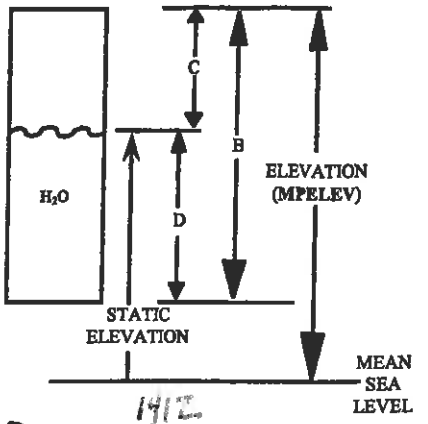
Measured Water Level Depth (C) (STATDEP) 21.60 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 46 ~~50~~ ft

Depth during Purging/Sampling: 21.65 - 21.71 ft (provide range)

Comments (re: Depth during purging/sampling): _____



1412

Purge Date and Method: BLADDER PUMP 3/12/13 Remove 942 mL H₂O prior to readings

Physical Appearance/Comments: cloudy/brown/no odor

Dissolved Ferrous Iron (mg/L): 0.5 mg/L

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1420	21.65	7.49	0.412	11.00	2.1	3.75	-74	100
1424	21.65	7.46	0.409	10.91	1.7	2.07	-74	100
1428	21.65	7.44	0.408	11.03	1.7	1.41	-75	100
1432	21.65	7.41	0.405	11.08	1.8	0.90	-75	100
1436	21.65	7.39	0.404	11.08	1.8	0.56	-75	100
1440	21.65	7.38	0.402	11.09	1.6	0.36	-75	100
1444	21.65	7.36	0.401	11.20	1.7	0.10	-77	100
1448	21.65	7.35	0.400	11.10	1.9	0.03	-77	100
1452	21.65	7.36	0.400	11.12	1.8	0.00	-77	100

Sample Time: 1454 Sample ID: 782VM 8146LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 712-06-03 Sampled by: GD/MG

Location and Site Code (SITEID): HP2

Well No. (LOCID): MW-782VMW-100 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3.12.13 Weather: Rain 38°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

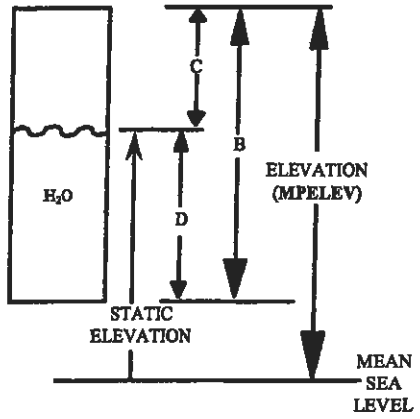
Measured Water Level Depth (C) (STATDEP) 14.75 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 25

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP rinse w 95% DI prior to recording

Physical Appearance/Comments: very dirty at first/purge plenty of water/cleans up no odor slight orange

Dissolved Ferrous Iron (mg/L): 0.5

* needed to clean flow thru cell bit of sediment

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1049	15.62	7.45	.297	5.68	800	0.00	-32	150
1052	15.62	7.52	.297	5.70	786	0.00	-41	150
1055	15.62	7.56	.295	5.51	638	0.00	-46	150
1058	15.62	7.57	.300	5.44	455	0.00	-54	150
1101	15.62	7.58	.300	5.48	451	0.00	-56	150
1104	15.62	7.59	.300	5.53	298	0.00	-56	150
1107	15.62	7.60	.301	5.37	243	0.00	-58	150
1110	15.62	7.60	.303	5.30	207	0.06	-63	150
1113	15.62	7.59	.306	5.16	174	0.00	-62	150
1116	15.62	7.61	.305	5.22	154	0.00	-64	150
1119	15.62	7.61	.308	5.16	145	0.00	-65	150

Sample Time: 1120 Sample ID: 782VMW100 25LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-0603 Sampled by: TC / MG

Location and Site Code (SITEID): MW2

Well No. (LOCID): MW-782VM-V-100 Well Diameter (SDIAM): 2.00

Date (LOGDATE): 3.12.13 Weather: Rain / 35°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

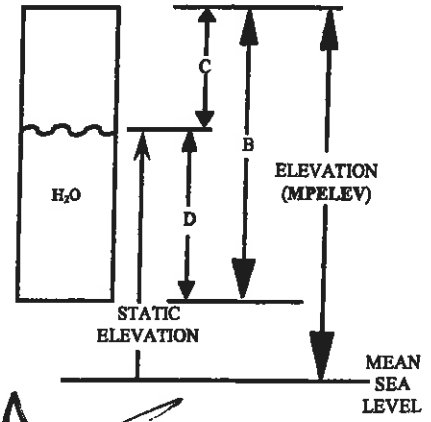
Measured Water Level Depth (C) (STATDEP) None ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): None

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3.12.13

Physical Appearance/Comments: Slight

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1122	15.62	7.61	.308	5.15	120	0.00	-65	150
1125	15.62	7.61	.309	5.06	104	0.00	-65	150
1128	15.62	7.61	.310	4.98	91.5	0.00	-67	150
1131	15.62	7.61	.310	4.92	80.4	0.00	-66	150
1134	15.62	7.61	.310	4.93	79.6	0.00	-106	150
1137	15.62	7.61	.309	4.96	54.9	0.00	-64	150
1140	15.62	7.61	.311	4.98	55.4	0.00	-64	150
1143	15.62	7.61	.310	5.01	54.7	0.00	-62	150

Sample Time: 1145 Sample ID: 782VM.0025LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: DP / MG

Location and Site Code (SITEID): AP2

Well No. (LOCID): WL-78 2UM10-101 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3-12-13 Weather: 35-40° / Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

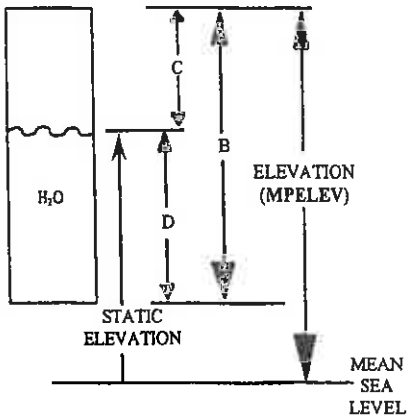
Measured Water Level Depth (C) (STATDEP) 9.0' ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 18'

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP purge ~760 ml prior to sampling

Physical Appearance/Comments: clear / Brownish / no odor

Dissolved Ferrous Iron (mg/L): 2.9

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1612	9.0	7.18	0.835	9.63	58.3	1.50	-109	200
1614	9.0	7.18	0.830	9.63	103	1.19	-109	200
1616	9.0	7.17	0.836	9.60	154	0.99	-109	200
1618	9.0	7.17	0.841	9.63	368	1.19	-108	200
1620	9.0	7.17	0.839	9.67	440	0.31	-108	200
1622	9.0	7.15	.841	9.68	481	0.00	-108	200
1624	9.0	7.15	.840	9.70	339	0.00	-108	200
		Drain + Rinse				Heat Lab - Flow Thru Cell		
1632	9.0	7.18	0.835	10.08	43.0	0.35	-105	200
1634	9.0	7.16	0.832	9.99	13.4	0.00	-108	200
1636	9.0	7.15	0.833	9.93	8.7	0.00	-110	200

Sample Time: 0.2 Sample ID: ~~78 2UM10 1 LA/LC~~ JP
78 2UM10 118 LA/LC

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717.06.03 Sampled by: JD/MC

Location and Site Code (SITEID): AP2

Well No. (LOCID): WL-782VMW-101 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3.12.13 Weather: 35-40 / Rain

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

Measured Water Level Depth (C) (STATDEP) _____ ft.

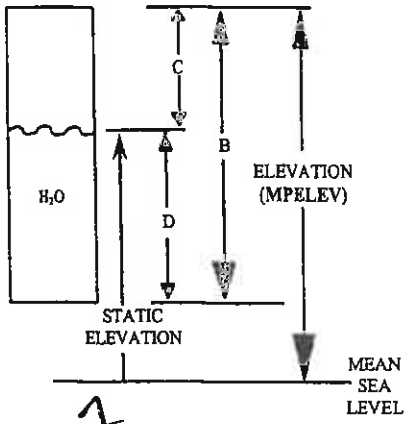
Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: _____ ft
(provide range)

Comments (re: Depth during purging/sampling): _____

See page 1



Purge Date and Method: BLADDER PUMP _____

Physical Appearance/Comments: _____

Dissolved Ferrous Iron (mg/L): _____

See page 1

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1638	9.0'	7.15	0.830	9.89	5.3	0.00	-111	200
1640	9.0	7.15	0.830	9.84	4.9	0.00	-112	200
1642	9.0	7.15	0.829	9.83	2.7	0.00	-112	200

Sample Time: 1645 Sample ID: 782VM101118LA/LC

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JC / MG

Location and Site Code (SITEID): AP2

Well No. (LOCID): WL-782VMW-105B Well Diameter (SDIAM): 2"

Date (LOGDATE): 3-12-13 Weather: rain / 35-40°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

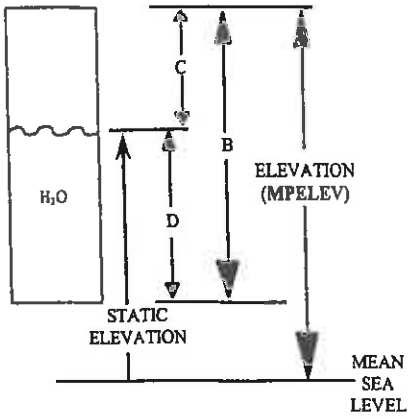
Measured Water Level Depth (C) (STATDEP) 20.54 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 36

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / purge 1200 ml prior to readings

Physical Appearance/Comments: clear / no odor

Dissolved Ferrous Iron (mg/L): 2.6

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1424	20.41	7.58	.417	10.51	105	0.36	-140	150
1429	20.41	7.58	.415	10.55	85.9	0.07	-142	150
1427	20.41	7.58	.413	10.51	78.4	0.00	-143	150
1430	20.41	7.59	.411	10.49	65.9	0.00	-143	150
1433	20.41	7.57	.410	10.54	66.1	0.00	-144	150
1436	20.41	7.58	.409	10.54	62.3	0.00	-144	150
1439	20.41	7.59	.406	10.61	58.4	0.00	-144	150
1442	20.41	7.59	.406	10.68	58.2	0.00	-143	150
1445	20.41	7.59	.404	10.63	57.9	0.00	-143	150

Sample Time: 1451 Sample ID: 782VMW105B36LA/C/G/D

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

AMW3

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 217-06-03 Sampled by: DD/DW

Location and Site Code (SITEID): AP 2

Well No. (LOCID): WL-782VMW-121 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3.12.13 Weather: Rain / 35°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

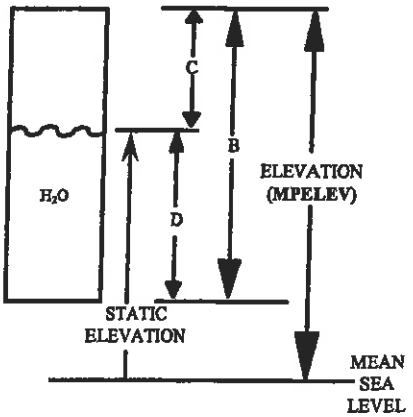
Measured Water Level Depth (C) (STATDEP) 14.10 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 16

Depth during Purging/Sampling: 14.10 - 14.12 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / Purge ~400 ml prior to readings

Physical Appearance/Comments: orange w/ iron floc / no odor

Dissolved Ferrous Iron (mg/L): 3.2 mg/L

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1018	14.10	6.85	0.774	12.50	546	0.25	-80	200
1020	14.10	6.85	0.773	12.31	531	0.28	-80	200
1022	14.10	6.86	0.772	12.23	459	0.08	-80	200
1024	14.10	6.86	0.777	12.29	364	0.00	-80	200
1026	14.10	6.86	0.771	12.11	297	0.00	-82	200
1028	14.10	6.86	0.770	12.21	259	0.00	-82	200
1030	14.10	6.86	0.771	12.16	229	0.00	-83	200
1032	14.10	6.86	0.770	12.13	202	0.00	-86	200
1034	14.10	6.86	0.771	12.09	178	0.00	-87	200
1036	14.10	6.86	0.770	12.07	135	0.00	-88	200
1038	14.10	6.86	0.770	12.07	131	0.00	-87	200
1040	14.10	6.86	0.770	12.05	130	0.00	-87	200

Sample Time: 1042 Sample ID: 782VMW121GLA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 117-06-03 Sampled by: JW/JP

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): wl-782vmw-121D Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/12/13 Weather: rain/55°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

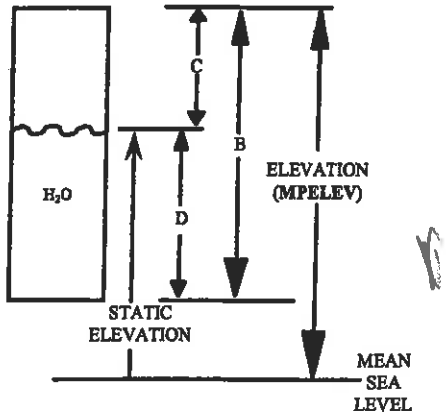
Measured Water Level Depth (C) (STATDEP) 14.95 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 26

Depth during Purging/Sampling: 15.00 - 15.04 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3/12/13 Remove 972 mL H2O prior to readings.

Physical Appearance/Comments: orange/ iron floc / no odor

Dissolved Ferrous Iron (mg/L): 1.4 mg/L

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1138	15.00	6.79	0.760	12.66	7800	9.00	-62	200
1140	15.00	6.84	0.766	12.75	603	3.58	-64	200
1142	15.00	6.84	0.771	12.81	428	1.54	-68	200
1144	15.00	6.85	0.775	12.86	295	1.00	-71	200
1146	15.00	6.85	0.777	12.92	200	0.67	-76	200
1148	15.00	6.84	0.779	12.89	107	0.10	-86	200
1150	15.00	6.85	0.778	12.89	79.4	0.00	-89	200
1152	15.00	6.84	0.779	12.89	73.6	0.00	-91	200
1154	15.00	6.85	0.779	12.89	66.0	0.00	-91	200
1156	15.00	6.85	0.779	12.91	61.6	0.00	-93	200
1158	15.00	6.85	0.780	12.91	60.5	0.00	-94	200

Sample Time: _____ Sample ID: 782VM121D26LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JW

Location and Site Code (SITEID): Area 2

Well No. (LOCID): wi-782vmw-12D Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/12/13 Weather: rain / 35°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

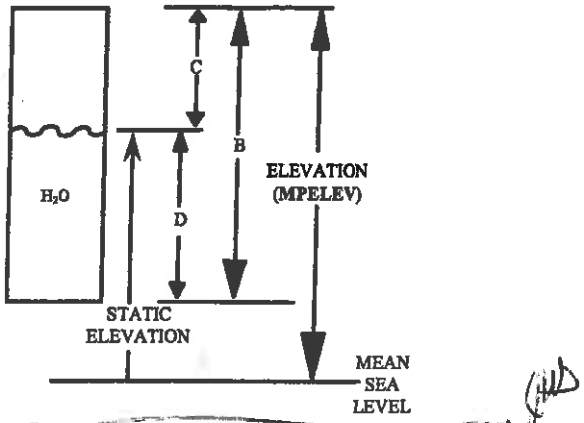
Measured Water Level Depth (C) (STATDEP) 21.60 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 26ft

Depth during Purging/Sampling: _____ ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3/12/13 [illegible]

Physical Appearance/Comments: [illegible]

Dissolved Ferrous Iron (mg/L): 1.4 mg/L

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1200	15.00	6.85	0.780	12.96	49.9	0.00	-95	200
1202	15.00	6.85	0.780	12.98	47.2	0.00	-94	200
1204	15.00	6.85	0.779	12.97	44.1	0.00	-95	200

Sample Time: 1210 Sample ID: 782VMW12D26LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-26-03 Sampled by: JW/MB

Location and Site Code (**SITEID**): AP 2

Well No. (**LOCID**): 782SW-115 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 3/12/13 Weather: rain/40°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

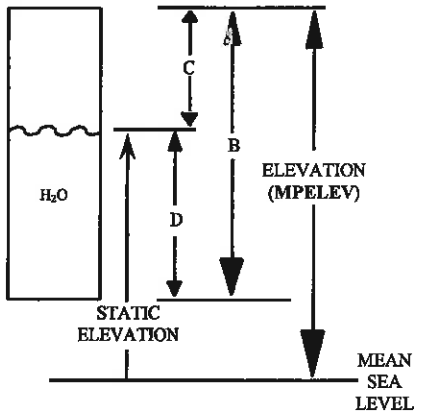
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Surface Water Grab

Physical Appearance/Comments: brownish/no odor (runoff)

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1558		7.86	0.165	6.57	51.5	14.50	37
		SW Grab					

Sample Time: 1600 Sample ID: 782SW115Ø1LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-06-03 Sampled by: JW/MG

Location and Site Code (**SITEID**): AP2

Well No. (**LOCID**): 7825W-118 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 3/12/13 Weather: rain/40°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

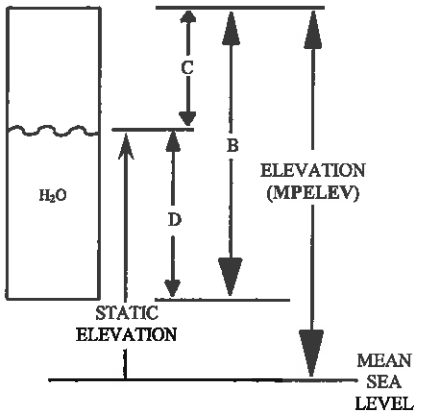
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: Surface water grab / 3/12/13

Physical Appearance/Comments: brownish / no odor (runoff)

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1620	—	7.81	0.420	6.49	47.3	12.53	27
	SW Grab						

Sample Time: 1622 Sample ID: 7825W118SI LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 19-66-03 Sampled by: JW/AG

Location and Site Code (**SITEID**): AP2

Well No. (**LOCID**): 7825W-119 Well Diameter (**SDIAM**): —

Date (**LOGDATE**): 3/12/13 Weather: rain/ 40°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

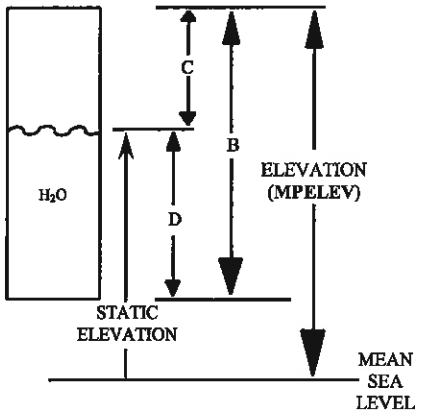
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) _____ ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: 3/12/13 surface water grab

Physical Appearance/Comments: brownish/ no odor (runoff)

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1632	—	7.72	0.221	6.36	54.1	11.88	31
		SW Grab					

Sample Time: 1632 Sample ID: 7825W 119 0 1 LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 3/12/13

CALIBRATOR(S) NAME: JW

EQUIPMENT SUPPLIER(S): FPM / PINE

PHOTOIONIZATION DETECTOR

Equipment Model: N/A

Serial Number:

Calibration Gas (circle): Isobutylene 100 ppm or Other:

NOTES:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER Horiba U-50 (Rental)

Equipment Model:

Serial Number:

	Standard:	Calibration Reading		Within Calibration Range	End of Day Check		NOTES:
pH Standard:	4.0 pH	4.00		(YES) NO	3.95		
Conductivity Standard:	4.49 mS/cm	4.49		(YES) NO	4.46		
Turbidity Standard:	0 NTU	0		(YES) NO	1.2		
		D.O	Temperature/ Saturation		D.O	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	N/A	YES / NO	0.0		
	Fresh Air Saturation (mg/L)	9.00	25°C	YES / NO			Saturation temperature dependent.

GROUNDWATER QUALITY METER FPM U-50 Horiba #2

Equipment Model:

Serial Number:

	Standard:	Calibration Reading		Within Calibration Range	End of Day Check		NOTES:
pH Standard:	4.0 pH	4.00		(YES) / NO	3.96		
Conductivity Standard:	4.49 mS/cm	4.50		(YES) / NO	4.47		
Turbidity Standard:	0 NTU	0.5		(YES) / NO	1.7		
		D.O	Temperature/ Saturation		D.O	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	N/A	(YES) / NO	0.0		
	Fresh Air Saturation (mg/L)	9.00	25°C	(YES) / NO			Saturation temperature dependent.

OTHER

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _286/7_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	TOC note 5 40 ml vials(HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
782VM8146LA	WL-782VMW-81	3/12	1454	WG	BP	N	0/0	6	3	1	1	-	1	
782VM10025LA	WL-782VMW-100	3/12	1145	WG	BP	N	0/0	6	3	1	1	-	1	
782VM10118LA	WL-782VMW-101	3/12	1645	WG	BP	N	0/0	6	3	1	1	-	1	
782VM10118LC	WL-782VMW-101	3/12	1645	WG	BP	FD	0/0	6	3	1	1	-	1	
782VM105B36LA	WL-782VMW-105B	3/12	1451	WG	BP	N	0/0	6	3	1	1	-	1	
782VM105B36LC	WL-782VMW-105B	3/12	1451	WG	BP	FD	0/0	6	3	1	1	-	1	
782VM105B36LS	WL-782VMW-105B	3/12	1451	WG	BP	MS	0/0	6	3	1	1	-	1	
782VM105B36LD	WL-782VMW-105B	3/12	1451	WG	BP	SD	0/0	6	3	1	1	-	1	
782VM12116LA	WL-782VMW-121	3/12	1042	WG	BP	N	0/0	6	3	1	1	-	1	
782VM121D26LA	WL-782VMW-121D	3/12	1210	WG	BP	N	0/0	6	3	1	1	-	1	
782SW11501LA	782SW-115	3/12	1600	WS	G	N	0/0	3	3					
782SW11801LA	782SW-118	3/12	1622	WS	G	N	0/0	3	3					
782SW11901LA	782SW-119	3/12	1632	WS	G	N	0/0	3	3					
031213LE	FIELDQC	3/12	1700	WQ	BP	EB	0/0	6	3	1	1	-	1	
031213LF	FIELDQC	3/12	1640	WQ	NA	AB	0/0	3	3	-	-	-	-	
031213LR	FIELDQC	3/12	0915	WQ	NA	TB	0/0	2	2	-	-		-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Alkalinity: method SM2320B.
Note 5: TOC: method SM5310B

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/13/2013	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 9:55	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson	Date: 3-13-13	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 10:00	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 3/12/13

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☐ complete N/A

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: —

Any required corrective action: —

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 3/12/13 *Time :* 8:30

Location: FPM office (garage)

Weather Conditions: 45° Rain

Meeting Type: Daily Health and Safety

Personnel Present:

Josh Wenzel, John Pratt, Mark Gipson

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

access to AP2, grass near SWMU, debris @ airfield / apron.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

none

Property Damage:

none

Description (include sequence of events describing step by step how incident happened):

—

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

—

Report made by (Name): Niels von Wenzel

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03

AHA Number: —

Job Location: Apron 2

Date: 3/12/13

Name of Trainer: Niels van Hoesel

Subjects/AHAs Covered: driving on FAA property

Training Aids Used: maps

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Niels van Noesel Date: 3/12/13

Current Weather Conditions:

Temperature (°F) = 36 Wind Direction = W Wind Speed = 9 mph

Clear - Sunny – Cloudy - (Rain) - Snow Forecast = 100% chance for rain

Current Site Conditions (circle as appropriate): Dry - (Wet) - (Muddy) - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☑ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities:

careful moving in slippery conditions

3. Activities Taking Place Today: sampling at apron 2 (low flow + grab surface water).

3. Anticipated Hazards: slip trip fall along the creek, driving on apron.

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards:

pay attention, small steps, buddy system

5. Additional Safety Topic or Comments: —

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Josh Wenzel		FPM
Michael Garifas		FPM
		FPM

HEALTH AND SAFETY CHECKLIST

Project Name/Number: OBGW / 717-06-03

Site: Area 2

Date: 3/12/13

Personnel Observed and Locations: —

Complete weekly for each site. Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Documentation	**Yes**	**No**	**N/A**
1. Is the APP/SSHP on-site?	☑	☐	☐
2. Has the APP/SSHP been reviewed, dated, and signed within the last year?	☑	☐	☐
3. Are the tasks being completed reflected in the hazard task analysis?	☑	☐	☐
4. Is there a written acknowledgement that all employees, including subcontractors have been briefed and read the APP/SSHP?	☑	☐	☐
5. Are the following training records current and available in the field:			
• 40-Hour HAZWOPER/8-hour refresher for ALL employees and subcontractors?	☑	☐	☐
• 24 Hours Supervised Field Experience?	☑	☐	☐
• 8-Hour HAZWOPER Annual Refresher?	☑	☐	☐
• CPR/First Aid?	☑	☐	☐
• 8-Hour Hazardous Waste Site Supervisor, and refresher?	☑	☐	☐
• Initial Site Health and Safety Briefing?	☑	☐	☐
• Site Health and Safety Briefing for each location or site?	☑	☐	☐
6. Are emergency maps posted at the Site and maintained in vehicles?	☑	☐	☐
7. Was the route to the hospital driven prior to beginning field work?	☐	☑	☐
8. Was the hospital ER/EMS informed of the work, dates and times of field operations, and provided a map to the site?	☐	☑	☐

HEALTH AND SAFETY CHECKLIST

	Yes	No	N/A
9. Were daily safety checklists completed and fire extinguishers checked?	☑	☐	☐
10. Were applicable Material Safety Data Sheets at the Site?	☑	☐	☐
11. Are documents current and available that indicate employees and subcontractors are medically fit to work and wear the required personal protective equipment?	☑	☐	☐
12. Were wells allowed to vent for 5 to 10 minutes after opening and prior to sampling?	☑	☐	☐
Observations	☐	☐	☐
13. Are exclusion zones and contaminant reduction zone adequately marked?	☑	☐	☐
14. Is required personal protective equipment available and correctly used, maintained, and stored?	☑	☐	☐
15. Is the following emergency equipment located at each site:	☐	☐	☐
• Fire extinguisher?	☑	☐	☐
• Eyewash (15 minutes fresh water)?	☑	☐	☐
• Communications (walkie-talkie or phone)?	☑	☐	☐
• First aid kit?	☑	☐	☐
16. Is the buddy system in use?	☑	☐	☐
17. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐
18. Is air monitoring equipment being used appropriately?	☐	☐	☑
19. Is the site organized to allow the use of lifting equipment, and avoid tripping hazards and spreading contamination?	☑	☐	☐
20. Was a random employee asked if he/she know site hazard and emergency procedures?	☐	☑	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: _____

Printed Name and Title: Niels Van Hoesel, PE

Date: 3/12/13

DECONTAMINATION CHECKLIST

Project Name/Number: OBGW/ 717-06-03

Site: Area 2

Boring/Monitoring Well Number(s): 782VMW-81, -100, -101, -105B, -121, >121D
782SW-115, -118, -119

Date: 3/12/13

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions: —

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: [signature]

Printed Name and Title: Niels van Haesel, PGM

Date: 3/12/13

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: OBGWI 717-06-03

Site: Apron 2

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	Yes	No	N/A
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Sampling forms	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: —

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: _____

Printed Name and Title: Niels van Hoesel, PM

Date: 3/12/13

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: OB6W / 717-06-03

Monitoring Well Number(s): 782VMW-81, -100, -101, -105B, -121, -121D, 782SW-115, -118, -119

Sampling Date: 3/12/13

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☑	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☑	☐	☐	☐

Corrective Actions: —

QC Inspectors Signature:

Date: 3/12/13

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: OBGW / 717-06-03

Site: Apron 2

Monitoring Well Number(s): 782VMW-81, 100, -101, -105B, -121, -121D
782SW-115, -118, -119

Residential Well(s): —

Sampling Date: 3/12/13

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

	Packing, Storing, and Shipment of Samples	Yes	No	N/A
1.	Were the samples handled according to the Work Plans?	☑	☐	☐
2.	Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3.	Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4.	Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5.	Were CoC forms signed and dated by the preparer, placed in a ~~resealable plastic bag, and the bag taped to the inside of~~ the ~~cooler lid~~?	☑	☐	☐
6.	Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7.	Was a shipping label attached to the cooler?	☐	☐	☑
8.	Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 3/13/13

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Apron 2 Chlorinated Plume and Building 817/WSA).

Weather conditions: Average temperature: 40 °F Average barometric reading: 29.80
Wind direction and speed: West 10 mph
Significant wind changes: Wind picked up during the day.

General description of tasks completed: Bladder pump sampling at Site Apron 2 Chlorinated Plume (782VMW-76, -78, -84, -96, and 782MW-10) and Site Building 817/WSA (WSA-MW16).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: one monitoring well (782VMW-78) did not stabilize below the 50 NTU level. 782VMW-78 stabilized at ~81 NTU.

Corrective actions taken or instructions obtained from AFCEE personnel: None.

Sampling shipment completed: □ Yes √ No LSL Courier will pick the samples up on Wednesday.

DCQCR Prepared by: Niels van Hoesel, PM Date: 3/13/13

CQCC Signature: Cornelia van Hoesel Date: 3/17/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
√	✓ Field sampling forms
√	✓ Equipment Calibration Log
√	✓ Copies of COCs
√	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: H7-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): 782VMW-76 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/13/13 Weather: P.Cloudy / 37°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

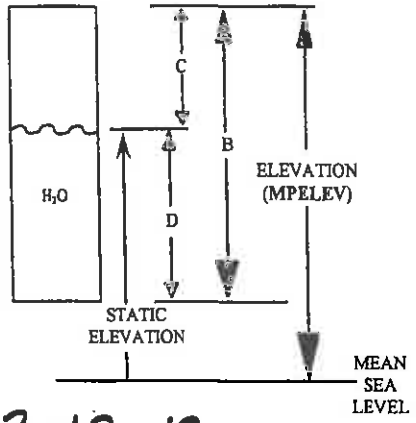
Measured Water Level Depth (C) (STATDEP) 20.63 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 38

Depth during Purging/Sampling: 20.70 - 20.75 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 3-13-13

Physical Appearance/Comments: Cloudy / slight sulfur odor

Dissolved Ferrous Iron (mg/L): 6.5

FIELD MEASUREMENTS: purge 1236mL prior to reading

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1155	20.70	7.58	0.566	12.65	66.1	0.00	-240	200
1157	20.70	7.58	0.560	12.73	63.8	0.00	-241	200
1159	20.70	7.60	0.556	12.72	42.1	0.00	-242	200
1201	20.70	7.59	0.551	12.71	41.2	0.00	-240	200
1203	20.70	7.60	0.548	12.72	37.0	0.00	-237	200
1205	20.70	7.59	0.548	12.63	31.0	0.00	-235	200
1207	20.70	7.59	0.546	12.63	29.6	0.00	-231	200
1209	20.70	7.59	0.546	12.64	25.5	0.00	-230	200
1211	20.70	7.60	0.546	12.65	25.1	0.00	-230	200
1213	20.70	7.59	0.546	12.64	24.7	0.00	-229	200

Sample Time: ~~1209~~ KM 1215 Sample ID: 782VMW76381A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): 782MW-78 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/13/13 Weather: P. cloudy/40°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

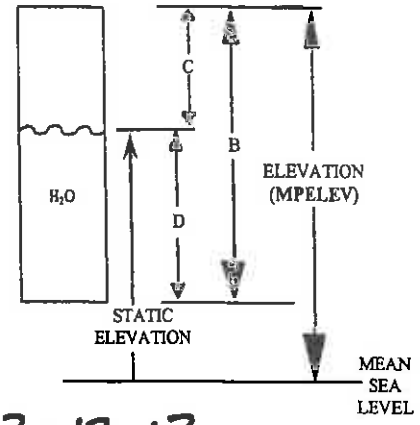
Measured Water Level Depth (C) (STATDEP) 24.10 ft.

Length of Static Water Column (D) = (B) - (C) = (D) _____ ft. (optional)

Pump Intake Depth (ft): 40

Depth during Purging/Sampling: 24.10-24.20 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3-13-13

Physical Appearance/Comments: cloudy / no odor

Dissolved Ferrous Iron (mg/L): 1.6 mg/L

FIELD MEASUREMENTS: min purge vol = 1280mL

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1452	24.10	7.76	0.376	11.53	194	238	-107	200
1454	24.10	7.71	0.375	11.51	146	1.76	-116	200
1456	24.10	7.69	0.375	11.48	130	1.68	-120	200
1458	24.10	7.68	0.375	11.49	113	1.14	-129	200
1500	24.10	7.67	0.375	11.45	112	1.13	-131	200
1502	24.10	7.66	0.375	11.44	101	0.67	-134	200
1504	24.10	7.65	0.375	11.44	88.5	0.67	-137	200
1506	24.10	7.65	0.376	11.43	87.3	0.77	-139	200
1508	24.10	7.65	0.376	11.40	88.3	0.45	-141	200
1510	24.10	7.64	0.377	11.38	85.9	0.42	-144	200
1512	24.10	7.65	0.377	11.39	81.3	0.43	-145	200

Sample Time: 1515 Sample ID: 782MW7840LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JW/JP

Location and Site Code (**SITEID**): Apron 2

Well No. (**LOCID**): WL-782VMW-84 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 3/13/13 Weather: Cloudy/45°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

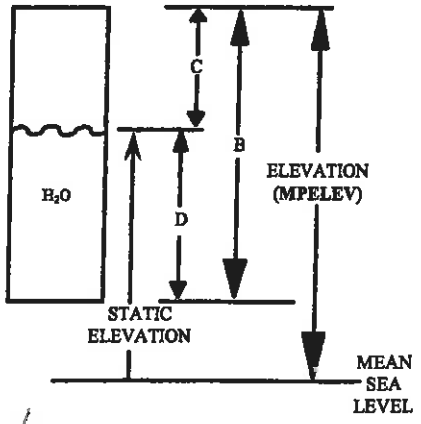
Measured Water Level Depth (C) (**STATDEP**) 22.85 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 40

Depth during Purging/Sampling: 22.85 - 22.89 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3/13/13

Physical Appearance/Comments: Clear, no odor / Remove 1,280 mL H_2O prior to readings.

Dissolved Ferrous Iron (mg/L): 3.4 mg/L

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1028	22.85	6.87	0.553	14.91	1.1	0.02	-138	200
1030	22.85	6.88	0.542	14.86	0.0	0.00	-137	200
1032	22.85	6.88	0.544	14.77	0.0	0.00	-137	200
1034	22.85	6.88	0.543	14.64	0.0	0.00	-137	200
1036	22.85	6.90	0.540	14.57	0.0	0.00	-138	200

Sample Time: 1036 Sample ID: 782VM 8440LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JP/JW

Location and Site Code (SITEID): Area 2

Well No. (LOCID): WL-782-MW-96 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/13/13 Weather: Sun/35-F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

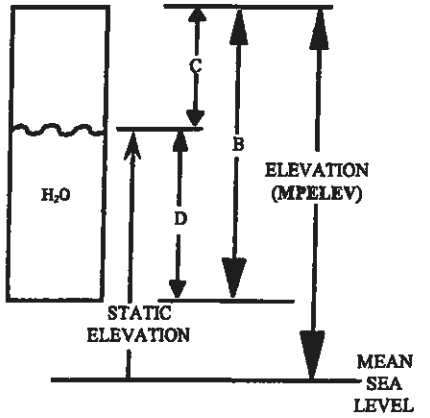
Measured Water Level Depth (C) (STATDEP) 21.33 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 37

Depth during Purging/Sampling: 21.33 - 21.37 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Remove 1,214 mL H2O prior to readings

Physical Appearance/Comments: Water is clear, no odor

Dissolved Ferrous Iron (mg/L): 3.2 mg/L

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
~~1420~~ H2O	21.33	7.02	0.622	14.04	6.1	0.40	-103	200
1422	21.33	7.02	0.621	14.32	7.3	0.15	-102	200
1424	21.33	7.01	0.621	14.47	6.4	0.03	-101	200
1426	21.33	7.00	0.621	14.53	6.0	0.00	-101	200
1428	21.33	7.00	0.620	14.55	5.9	0.00	-101	200
1430	21.33	6.99	0.619	14.64	5.4	0.00	-101	200

Sample Time: 1432 Sample ID: 782VM9637LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JW/JP

Location and Site Code (SITEID): Apron 2

Well No. (LOCID): WL-782mw-10 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/13/13 Weather: sun/ 30°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

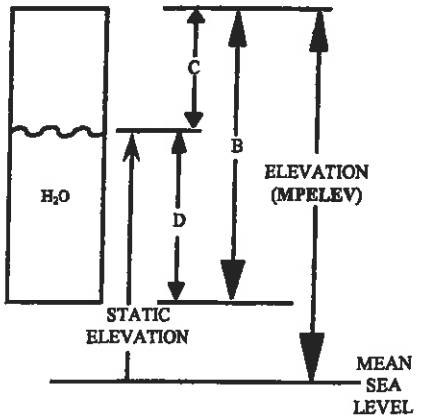
Measured Water Level Depth (C) (STATDEP) 21.71 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 27

Depth during Purging/Sampling: 21.71 - 21.74 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Remove 994 mL H2O prior to readings

Physical Appearance/Comments: cloudy/ no odor

Dissolved Ferrous Iron (mg/L): 2.6 mg/L

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1118	21.71	6.95	0.430	13.62	109	0.00	-100	200
1120	21.71	6.96	0.430	13.67	85.0	0.00	-104	200
1122	21.71	6.97	0.429	13.57	73.9	0.00	-107	200
1124	21.71	6.98	0.429	13.65	73.4	0.00	-109	200
1126	21.71	6.98	0.429	13.62	60.0	0.00	-110	200
1128	21.71	6.98	0.428	13.66	61.1	0.00	-111	200
1130	21.71	6.98	0.428	13.70	57.8	0.00	-111	200
1132	21.71	6.99	0.428	13.77	49.8	0.00	-113	200
1134	21.71	6.99	0.428	13.72	49.7	0.00	-114	200
1136	21.71	6.99	0.428	13.65	49.7	0.00	-114	200

Sample Time: 1136 Sample ID: 782M1027LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JP/JW

Location and Site Code (SITEID): Bldg 817

Well No. (LOCID): WSA-MW-16 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/13/2013 Weather: Sun/40°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

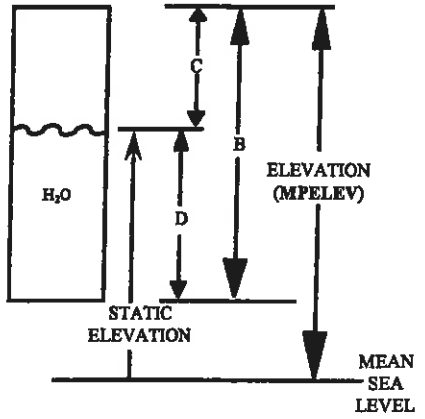
Measured Water Level Depth (C) (STATDEP) 3.00 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 15

Depth during Purging/Sampling: 3.00 - 3.05 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Remove 1730 mL H2O prior to readings

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1602	3.00	7.32	0.270	10.14	4.8	7.47	97	200
1604	3.00	7.31	0.270	10.07	5.9	6.92	99	200
1606	3.00	7.31	0.271	9.89	5.6	6.73	101	200
1608	3.00	7.31	0.271	9.79	5.6	6.54	103	200
1610	3.00	7.31	0.270	9.69	5.3	6.39	104	200

Sample Time: 1612 Sample ID: WSAM1615LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 3/13/13

CALIBRATOR(S) NAME: JW

PMENT SUPPLIER(S): FPM/ PINE

PHOTOIONIZATION DETECTOR:

Equipment Model:

Serial Number:

Calibration Gas (circle): Isobutylene 100 ppm or Other:

NOTES:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER Horiba U-50 (Rental)

Equipment Model:

Serial Number:

	Standard:	Calibration Reading		Within Calibration Range	End of Day Check		NOTES:
pH Standard:	4.0 pH	4.01		(YES) / NO	3.90		
Conductivity Standard:	4.49 mS/cm	4.49		(YES) NO	4.47		
Turbidity Standard:	0 NTU	0		(YES) NO	74.9		
		D.O.	Temperature/ Saturation		D.O.	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	n/a	(YES) NO	NA	NA	
	Fresh Air Saturation (mg/L)	9.00	25°C	(YES) NO	10.41	23°C	Saturation temperature dependent.

GROUNDWATER QUALITY METER Horiba U-50 #2 (FPM)

pment Model:

Serial Number:

	Standard:	Calibration Reading		Within Calibration Range	End of Day Check		NOTES:
pH Standard:	4.0 pH	4.01		(YES) / NO	4.05		
Conductivity Standard:	4.49 mS/cm	4.49		(YES) / NO	4.49		
Turbidity Standard:	0 NTU	0		(YES) NO	35.5		
		D.O.	Temperature/ Saturation		D.O.	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	n/a	(YES) / NO	NA	NA	
	Fresh Air Saturation (mg/L)	9.00	25°C	(YES) NO	7.43	23°C	Saturation temperature dependent.

OTHER:

HANNA TURBIDITY METER CALIBRATION. USE FOLLOWING STANDARDS: 0.10 NTU, 15 NTU, 100 NTU, 750 NTU.

#1 CALIBRATION SUCCESSFUL, READ 100 NTU: 98.7 NTU. WITHIN RANGE (+/- 3%).

#2 100 NTU = 100 NTU

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _287_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	TOC note 5 40 ml vials(HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
782VM7638LA	WL-782VMW-76	3/13	1215	WG	BP	N	0/0	6	3	1	1	-	1	
782VM7840LA	WL-782VMW-78	3/13	1515	WG	BP	N	0/0	6	3	1	1	-	1	
782VM8440LA	WL-782VMW-84	3/13	1038	WG	BP	N	0/0	6	3	1	1	-	1	
782VM9637LA	WL-782VMW-96	3/13	1432	WG	BP	N	0/0	6	3	1	1	-	1	
782M1027LA	WL-782MW-10	3/13	1136	WG	BP	N	0/0	6	3	1	1	-	1	
031313LE	FIELDQC	3/13	1610	WQ	BP	EB	0/0	6	3	1	1	-	1	
031313LF	FIELDQC	3/13	1440	WQ	NA	AB	0/0	3	3	-	-	-	-	
031313LR	FIELDQC	3/13	0920	WQ	NA	TB	0/0	2	2	-	-		-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Alkalinity: method SM2320B.

Note 5: TOC: method SM5310B

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/14/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 11:26	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)	Date: 3/14/13	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: CSL	Time: 11:27	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _287_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
WSAM1615LA	WSA-MW16	3/13	1612	WG	BP	N	0/0	7	3	1	1	2	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/14/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 14:36	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)	Date: 3/14/13	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: LSL	Time: 11:27	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 3/13/13

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☐ complete N/A

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: ~

Any required corrective action: ~

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 3/13/13 *Time :* 8:30

Location: FPM office (garage)

Weather Conditions: 40° cloudy

Meeting Type: Daily Health and Safety

Personnel Present:

Jake Pratt, Josh Wenzel, Katrina Mettler, Mark Grifasi

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

Spills, access to North airfield

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

—

Property Damage:

—

Description (include sequence of events describing step by step how incident happened):

—

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

—

Report made by (Name): Niels Van Noorel

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: J17-06-03

AHA Number: —

Job Location: Apron 2

Date: 3/13/13

Name of Trainer: Niels Van Noesel

Subjects/AHAs Covered: Driving on FAA property, Driving on grassy wet hills

Training Aids Used: —

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Niels van Kessel Date: 3/13/13

Current Weather Conditions:

Temperature (°F) = 40 Wind Direction = W Wind Speed = 9

Clear - Sunny - (Cloudy) - Rain - Snow Forecast = dry

Current Site Conditions (circle as appropriate): Dry - Wet - Muddy - Frozen - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☑ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities: —

3. Activities Taking Place Today: sampling AP2 + B B17

3. Anticipated Hazards: None

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards: —

5. Additional Safety Topic or Comments: —

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Mark Grifasi		FPM
Josh Wenzel		FPM
Katrina Mattice	Katrina Mattice	FPM
John Pratt		FPM

HEALTH AND SAFETY CHECKLIST

Project Name/Number: OBGW / 717-06-03

Site: Area 2 / B B17

Date: 3/13/13

Personnel Observed and Locations: —

Complete weekly for each site. Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Documentation	**Yes**	**No**	**N/A**
1. Is the APP/SSHP on-site?	☑	☐	☐
2. Has the APP/SSHP been reviewed, dated, and signed within the last year?	☑	☐	☐
3. Are the tasks being completed reflected in the hazard task analysis?	☑	☐	☐
4. Is there a written acknowledgement that all employees, including subcontractors have been briefed and read the APP/SSHP?	☑	☐	☐
5. Are the following training records current and available in the field:			
• 40-Hour HAZWOPER/8-hour refresher for ALL employees and subcontractors?	☑	☐	☐
• 24 Hours Supervised Field Experience?	☑	☐	☐
• 8-Hour HAZWOPER Annual Refresher?	☑	☐	☐
• CPR/First Aid?	☑	☐	☐
• 8-Hour Hazardous Waste Site Supervisor, and refresher?	☑	☐	☐
• Initial Site Health and Safety Briefing?	☑	☐	☐
• Site Health and Safety Briefing for each location or site?	☑	☐	☐
6. Are emergency maps posted at the Site and maintained in vehicles?	☑	☐	☐
7. Was the route to the hospital driven prior to beginning field work?	☐	☑	☐
8. Was the hospital ER/EMS informed of the work, dates and times of field operations, and provided a map to the site?	☐	☑	☐

HEALTH AND SAFETY CHECKLIST

	Yes	No	N/A
9. Were daily safety checklists completed and fire extinguishers checked?	☑	☐	☐
10. Were applicable Material Safety Data Sheets at the Site?	☑	☐	☐
11. Are documents current and available that indicate employees and subcontractors are medically fit to work and wear the required personal protective equipment?	☑	☐	☐
12. Were wells allowed to vent for 5 to 10 minutes after opening and prior to sampling?	☑	☐	☐
Observations	☐	☐	☐
13. Are exclusion zones and contaminant reduction zone adequately marked?	☑	☐	☐
14. Is required personal protective equipment available and correctly used, maintained, and stored?	☑	☐	☐
15. Is the following emergency equipment located at each site:	☐	☐	☐
• Fire extinguisher?	☑	☐	☐
• Eyewash (15 minutes fresh water)?	☑	☐	☐
• Communications (walkie-talkie or phone)?	☑	☐	☐
• First aid kit?	☑	☐	☐
16. Is the buddy system in use?	☑	☐	☐
17. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐
18. Is air monitoring equipment being used appropriately?	☐	☐	☑
19. Is the site organized to allow the use of lifting equipment, and avoid tripping hazards and spreading contamination?	☑	☐	☐
20. Was a random employee asked if he/she know site hazard and emergency procedures?	☐	☑	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: _____

Printed Name and Title: Nick van Hoesel, PM

Date: 3/13/13

DECONTAMINATION CHECKLIST

Project Name/Number: OB6W / 717-06-03

Site: AP2 / B817

Boring/Monitoring Well Number(s): 782VMW-76,-78,-84,-96, 78MW-10, WSA-MW16

Date: 3/13/13

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions:

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: [signature]

Printed Name and Title: Niels von Hoegel, PE

Date: 3/13/13

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: OB6W1 717-06-03

Site: RP2 / B817

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	Yes	No	N/A
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Sampling forms	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: —

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: _____

Printed Name and Title: Niels Von Kleberg, PM

Date: 3/13/13

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: OBGWI 717-06-03

Monitoring Well Number(s): 782VMW-76, -73, -84, -96, 782MW-10, WSA-MW18

Sampling Date: 3/13/13

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☑	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☑	☐	☐	☐

Corrective Actions: —

QC Inspectors Signature:



Date: 3/13/13

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: OB6W/ 717-06-03

Site: AP2 B817

Monitoring Well Number(s): 782UmW-76, -78, -84, -96, 782mw-10, WSA-mw16

Residential Well(s): —

Sampling Date: 3/13/13

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Packing, Storing, and Shipment of Samples	Yes	No	N/A
1. Were the samples handled according to the Work Plans?	☑	☐	☐
2. Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3. Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4. Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5. Were CoC forms signed and dated by the preparer, placed ~~in a resealable plastic bag, and the bag taped to the inside of the cooler lid~~?	☑	☐	☐
6. Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7. Was a shipping label attached to the cooler?	☐	☐	☑
8. Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 3/14/13

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Building 817/WSA).

Weather conditions: Average temperature: 20 °F Average barometric reading: 29.97
Wind direction and speed: Northwest 14 mph
Significant wind changes: Wind gusts to 33 mph with blowing snow.

General description of tasks completed: Bladder pump sampling at Site Building 817/WSA (WSA-MW18 and –MW19). Peristaltic pump sampling at Site Building 817/WSA (817-MW-001, -002, and -003).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: one piezometer (817-MW-002) did not stabilize below the 50 NTU level. 871-MW-002 stabilized at ~112 NTU.

Corrective actions taken or instructions obtained from AFCEE personnel: None.

Sampling shipment completed: □ Yes √ No LSL Courier will pick the samples up on Friday.

DCQCR Prepared by: Niels van Hoesel, PM Date: 3/14/13

CQCC Signature: Cornelia van Hoesel Date: 3/17/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
√	✓ Field sampling forms
√	✓ Equipment Calibration Log
√	✓ Copies of COCs
√	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JP/JW

Location and Site Code (SITEID): Bldg. 817

Well No. (LOCID): B817-MW-001 Well Diameter (SDIAM): 1"

Date (LOGDATE): 3/14/13 Weather: snow/wind/ 10° F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) 19.57 ft. (optional)

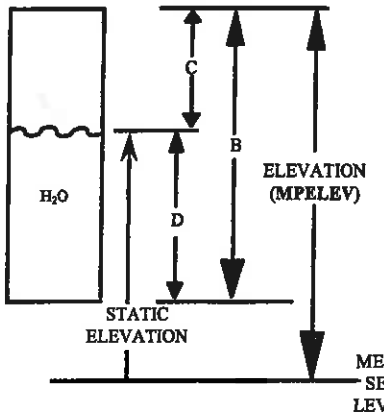
Measured Water Level Depth (C) (STATDEP) 9.16 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = 10.41 (D) ft. (optional)

Pump Intake Depth (ft): Approx. 15'

Depth during Purging/Sampling: N/A ft (provide range)

Comments (re: Depth during purging/sampling): ____



Not measured to original surveyed point

Purge Date and Method: ~~BLADDER~~ PUMP Peristaltic *Pipe is broken, no j-plug*

Physical Appearance/Comments: cloudy, organic decay odor

Dissolved Ferrous Iron (mg/L): ____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1104	NA*	6.36	0.355	11.20	110	0.00	-72	100
1108	NA	6.39	0.288	10.24	56.6	0.00	-67	100
1112	NA	6.45	0.272	9.30	66.9	0.00	-75	100
1116	NA	6.50	0.267	8.78	49.8	0.00	-79	100
1120	NA	6.51	0.271	8.08	29.5	0.00	-86	100
1124	NA	6.53	0.270	7.73	26.9	0.00	-88	100
1128	NA	6.54	0.271	7.50	22.0	0.00	-90	100

Sample Time: ~~1130~~ 1130 Sample ID: 817M0109LA

* unable to fit tubing & water level meter down 1" piezometer at the same time. *

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JP/JW

Location and Site Code (SITEID): Bldg. 817

Well No. (LOCID): B817-MW-002 Well Diameter (SDIAM): 1"

Date (LOGDATE): 3/14/13 Weather: snow/wind/10°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) 16.78 ft. (optional)

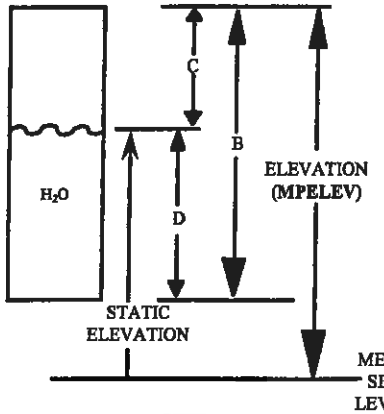
Measured Water Level Depth (C) (STATDEP) 8.04 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 14 ft*

Depth during Purging/Sampling: NA ft (provide range)

Comments (re: Depth during purging/sampling): _____



(not measured to original surveyed point)

Purge Date and Method: ~~BLADDER~~ peristaltic PUMP *Pipe is broken*

Physical Appearance/Comments: cloudy w/ organic decay odor

Dissolved Ferrous Iron (mg/L): [redacted]

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1144	[redacted] NA*	6.15	1.37	7.59	662	0.00	-92	100
1148	[redacted] NA	6.14	1.40	7.79	483	0.00	-95	100
1152	NA	6.13	1.40	7.99	304	0.00	-95	100
1156	NA	6.13	1.41	8.10	220	0.05	-96	100
1200	NA	6.13	1.42	8.11	152	0.06	-97	100
1204	NA	6.14	1.42	8.16	119	0.00	-99	100
1208	NA	6.15	1.40	8.25	114	0.06	-100	100
1212	NA	6.15	1.40	8.27	112	0.00	-100	100

Sample Time: 1214 Sample ID: 817MW2-08LA

* unable to fit tubing & water level meter down the [redacted] 1" pvc at the same time, so take water level meter out

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JP/JW

Location and Site Code (SITEID): Bldg. 817

Well No. (LOCID): B817-MW-003 Well Diameter (SDIAM): 1"

Date (LOGDATE): 3/14/13 Weather: snow/wind/15°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) 20.90 ft. (optional)

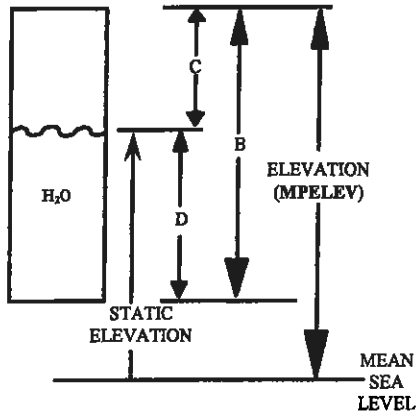
Measured Water Level Depth (C) (STATDEP) 5.65 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = ____ (D) ft. (optional)

Pump Intake Depth (ft): 18

Depth during Purging/Sampling: NA ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: ~~BLADDER~~ Peristaltic PUMP

Physical Appearance/Comments: cloudy, strong organic decay smell

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1414	NA*	6.93	0.335	9.61	676	0.71	-87	100
1418	NA	6.96	0.337	9.54	303	0.00	-92	100
1422	NA	6.97	0.337	9.61	181	0.00	-94	100
1426	NA	6.97	0.339	9.54	91.5	0.00	-97	100
1430	NA	6.97	0.339	9.60	58.9	0.00	-98	100
1434	NA	6.97	0.341	9.67	35.0	0.00	-99	100
1438	NA	6.97	0.341	9.62	25.8	0.00	-101	100
1442	NA	6.96	0.340	9.58	18.1	0.00	-102	100
1446	NA	6.97	0.340	9.57	16.6	0.00	-103	100

Sample Time: 1448 Sample ID: 817M0316LA

* unable to fit tubing & water level meter in 1" piezometer at the same time so no water level is available during sampling

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JP/JW

Location and Site Code (**SITEID**): Bldg. 817

Well No. (**LOCID**): WL-WSAMW-18 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 3/14/13 Weather: snow/wind/15°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

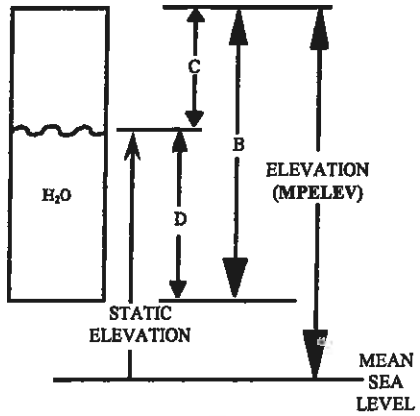
Measured Water Level Depth (C) (**STATDEP**) 6.95 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 14

Depth during Purging/Sampling: 6.95 - 6.99 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Remove 708 mL H2O prior to readings

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1520	6.95	7.44	0.274	8.74	48.5	7.16	-18	225
1522	6.95	7.43	0.274	8.64	34.5	6.29	-13	225
1524	6.95	7.43	0.275	8.68	26.6	5.83	-7	225
1526	6.95	7.44	0.275	8.72	22.8	5.74	-2	225
1528	6.95	7.44	0.276	8.83	21.9	5.80	4	225
1530	6.95	7.43	0.276	8.85	15.8	5.83	6	225
1532	6.95	7.44	0.275	8.90	15.0	5.79	11	225
1534	6.95	7.44	0.276	8.85	15.0	5.72	14	225
1536	6.95	7.43	0.276	8.88	10.0	5.71	16	225
1538	6.95	7.43	0.276	8.94	9.8	5.68	18	225
1540	6.95	7.43	0.276	8.94	9.6	5.69	19	225

Sample Time: ~~1538~~ 1542 Sample ID: WSAM1814LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): Building 817 / WSA

Well No. (LOCID): WL-WSAMW-19 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/14/13 Weather: snow / 20°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

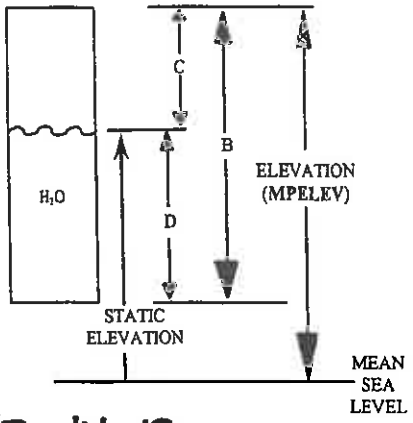
Measured Water Level Depth (C) (STATDEP) 6.84 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 18

Depth during Purging/Sampling: 7.80 - 7.90 ft (provide range)

Comments (re: Depth during purging/sampling): Sacrifice drawdown to maintain flow



Purge Date and Method: BLADDER PUMP / 3-14-13

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L):~~ purge 796 mL prior to readings

FIELD MEASUREMENTS:

Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
1106	7.80	7.86	0.291	5.14	0.0	4.18	29	100
1110	7.90	7.83	0.274	5.17	1.7	3.02	33	100
1114	8.00	7.83	0.272	4.97	1.2	2.67	35	100
1118	8.10	7.83	0.268	4.89	1.6	2.56	37	100
1122	8.20	7.82	0.267	4.81	1.7	2.42	39	100

Sample Time: 1125 Sample ID: WSAM1918LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 3/14/13

CALIBRATOR(S) NAME: MG

EQUIPMENT SUPPLIER(S): FPM/PINE

PHOTOIONIZATION DETECTOR

Equipment Model:

Serial Number:

Calibration Gas (circle): Isobutylene 100 ppm or Other:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

Calibration Successful: YES / NO

NOTES:

GROUNDWATER QUALITY METER Horiba # Rental - U5000

Equipment Model:

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.0	(YES) NO	3.93	
Conductivity Standard:	4.49 mS/cm	4.48	(YES) NO	5.09	
Turbidity Standard:	0 NTU	0.2	(YES) NO	62.7	

		D.O.	Temperature/ Saturation		D.O.	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	N/A	(YES) / NO	NA		
	Fresh Air Saturation (mg/L)	9.43	23°C	(YES) / NO	9.86	23°C	Saturation temperature dependent.

GROUNDWATER QUALITY METER Horiba # 2 - U5000

Equipment Model:

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	3.99	(YES) / NO	4.00	
Conductivity Standard:	4.49 mS/cm	4.49	(YES) / NO	3.84	
Turbidity Standard:	0 NTU	0.3	(YES) / NO	[redacted] 69.3	

		D.O.	Temperature/ Saturation		D.O.	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	NA	(YES) / NO			
	Fresh Air Saturation (mg/L)	23°C	9.44	(YES) / NO	9.60	23°C	Saturation temperature dependent.

OTHER

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Name: Josh Wenzel Niels van Hoesel for Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
817M0109LA	B817-MW-001	3/14	1130	WG	B	N	0/0	1	-	-	1	-	
817M0208LA	B817-MW-002	3/14	1214	WG	B	N	0/0	1	-	-	1	-	
817M0306LA	B817-MW-003	3/14	1448	WG	B	N	0/0	1	-	-	1	-	
WSAM1814LA	WL-WSAMW-18	3/14	1542	WG	BP	N	0/0	7	3	1	1	2	
WSAM1918LA	WL-WSAMW-19	3/14	1125	WG	BP	N	0/0	7	3	1	1	2	
031413LE	FIELDQC	3/14	1620	WQ	BP	EB	0/0	7	3	1	1	2	
031413LF	FIELDQC	3/14	1630	WQ	NA	AB	0/0	3	3	-	-	-	
031413LR	FIELDQC	3/14	0830	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)		Date: 3/15/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd		Time: 11:00 AM	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson		Date: 3-15-13	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs		Time: 11:00	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 3/14/13

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: ~

Any required corrective action: ~

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 3/14/13 *Time :* 8:30

Location: FPM office (garage)

Weather Conditions: 20° Blowing Snow

Meeting Type: Daily Health and Safety

Personnel Present:

Josh Wenzel, John Pratt, Katrina Mattice, Mark Gifford

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

frost bite, slip trip fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

—

Property Damage:

—

Description (include sequence of events describing step by step how incident happened):

—

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

—

Report made by (Name): Niels van Noord

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03

AHA Number: —

Job Location: B 817

Date: 3/14/13

Name of Trainer: Niels van Hoesel

Subjects/AHAs Covered: slip trip fall, driving in blowing snow

Training Aids Used: —

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Nils van Kooxe Date: 3/14/13

Current Weather Conditions:

Temperature (°F) = 20 Wind Direction = NW Wind Speed = 14

Clear - Sunny – Cloudy – Rain - (Snow) Forecast = wind gusts

Current Site Conditions (circle as appropriate): Dry - Wet - Muddy - Frozen - (Snow Covered) - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☑ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities: —

3. Activities Taking Place Today: Sampling @ B 817

3. Anticipated Hazards: slip trip fall, blowing snow

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards: heat in vehicle

5. Additional Safety Topic or Comments: —

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Josh Wenzel		FPM
Katrina Mattice	Katrina Mattice	FPM
Mark Griffas		FPM
Jake Pruett		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: OB6vl Date: 3/14/13

Name: 717-06-03 Time: 11:30

Any items that have been found deficient must be corrected before work or use.

This checklist includes, but is not limited to, the following:

	Yes	No
Safe Access and Workspace		
Are safe access and adequate space for movement available for:		
Emergencies	V	
Work area	V	
Walkways and passageways		N/A
Are ladders, stairways, and elevators properly located and functioning?		N/A
Is protection provided for floor and roof openings?		N/A
Is overhead protection provided for all areas of exposure?		N/A
Is lighting adequate?	V	
Planning Work for Safety		
Are employees provided with all required protective equipment?	V	
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?		N/A
Is all temporary flooring, safety nets, and scaffolding provided where required?		N/A
Utilities and Services Identification		N/A
High voltage lines		N/A
Have all been identified by signs?		N/A
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?		N/A
Sanitary Facilities		
Drinking water	V	

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Are toilet facilities adequate?	✓	
Work Procedures – Materials Handling		
Is material handling space adequate?		N/A
Is material handling equipment adequate and proper?		✓
Is material handling equipment in good condition?		✓
Physicals Hazards		
Slip, trip, fall hazards	✓	
Heat or cold stress	✓	
Pinch points		N/A
Insect bites		N/A
Muscle strain from improper lifting	✓	
Noise exposure		N/A
Chemical Hazards		
Inhaling, touching, ingesting contaminants	✓	
Review and Reporting		
AHAs reviewed daily?	✓	
Incidents/Near Miss reported?		N/A
Other (e.g., tunnels, excavations, shafts)		

Comments:

(Use additional pages if necessary)

HEALTH AND SAFETY CHECKLIST

Project Name/Number: OB6W / 717-06-03

Site: B 817

Date: 3/14/13

Personnel Observed and Locations: JP/JW @ B 817

Complete weekly for each site. Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Documentation	**Yes**	**No**	**N/A**
1. Is the APP/SSHP on-site?	☑	☐	☐
2. Has the APP/SSHP been reviewed, dated, and signed within the last year?	☑	☐	☐
3. Are the tasks being completed reflected in the hazard task analysis?	☑	☐	☐
4. Is there a written acknowledgement that all employees, including subcontractors have been briefed and read the APP/SSHP?	☑	☐	☐
5. Are the following training records current and available in the field:			
• 40-Hour HAZWOPER/8-hour refresher for ALL employees and subcontractors?	☑	☐	☐
• 24 Hours Supervised Field Experience?	☑	☐	☐
• 8-Hour HAZWOPER Annual Refresher?	☑	☐	☐
• CPR/First Aid?	☑	☐	☐
• 8-Hour Hazardous Waste Site Supervisor, and refresher?	☑	☐	☐
• Initial Site Health and Safety Briefing?	☑	☐	☐
• Site Health and Safety Briefing for each location or site?	☑	☐	☐
6. Are emergency maps posted at the Site and maintained in vehicles?	☑	☐	☐
7. Was the route to the hospital driven prior to beginning field work?	☐	☑	☐
8. Was the hospital ER/EMS informed of the work, dates and times of field operations, and provided a map to the site?	☐	☑	☐

HEALTH AND SAFETY CHECKLIST

	Yes	No	N/A
9. Were daily safety checklists completed and fire extinguishers checked?	☑	☐	☐
10. Were applicable Material Safety Data Sheets at the Site?	☑	☐	☐
11. Are documents current and available that indicate employees and subcontractors are medically fit to work and wear the required personal protective equipment?	☑	☐	☐
12. Were wells allowed to vent for 5 to 10 minutes after opening and prior to sampling?	☑	☐	☐
Observations	☐	☐	☐
13. Are exclusion zones and contaminant reduction zone adequately marked?	☑	☐	☐
14. Is required personal protective equipment available and correctly used, maintained, and stored?	☑	☐	☐
15. Is the following emergency equipment located at each site:	☐	☐	☐
• Fire extinguisher?	☑	☐	☐
• Eyewash (15 minutes fresh water)?	☑	☐	☐
• Communications (walkie-talkie or phone)?	☑	☐	☐
• First aid kit?	☑	☐	☐
16. Is the buddy system in use?	☑	☐	☐
17. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐
18. Is air monitoring equipment being used appropriately?	☐	☐	☑
19. Is the site organized to allow the use of lifting equipment, and avoid tripping hazards and spreading contamination?	☐	☐	☑
20. Was a random employee asked if he/she know site hazard and emergency procedures?	☐	☑	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: _____

Printed Name and Title: Niels van Hezel, PM

Date: 3/14/13

DECONTAMINATION CHECKLIST

Project Name/Number: OBGW/ 717-06-03

Site: B 817

Boring/Monitoring Well Number(s): 817 mw-001, -002, -003, 817-mw18, -mw19

Date: 3/14/13

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions: —

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: [signature]

Printed Name and Title: Niels van Noesel, PM

Date: 3/14/13

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: OB6 w/ 717-06-03

Site: B 817

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	Yes	No	N/A
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Sampling forms	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: ~

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: _____

Printed Name and Title: Niels von Hoesel, PM

Date: 3/14/13

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: 086W1 717-06-03

Monitoring Well Number(s): 817 mw-001, -002, -003, 819 - mw18, - mw19

Sampling Date: 3/19/13

Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☑	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☑	☐	☐	☐

Corrective Actions: —

QC Inspectors Signature:



Date: 3/14/13

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: OB6W / 717-06-03

Site: 817

Monitoring Well Number(s): 817-MW-001, -002, -003, 817-MW18, -MW19

Residential Well(s):

Sampling Date: 3/19/13

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

	Packing, Storing, and Shipment of Samples	Yes	No	N/A
1.	Were the samples handled according to the Work Plans?	☑	☐	☐
2.	Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3.	Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4.	Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5.	Were CoC forms signed and dated by the preparer, ~~placed in a resealable plastic bag, and the bag taped to the inside of the cooler lid?~~	☑	☐	☐
6.	Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7.	Was a shipping label attached to the cooler?	☐	☐	☑
8.	Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 3/15/13

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Building 817/WSA and Landfill 6 TCE).

Weather conditions: Average temperature: 20 °F Average barometric reading: 29.97
Wind direction and speed: Northwest 14 mph
Significant wind changes: Wind gusts to 33 mph with blowing snow.

General description of tasks completed: Bladder pump sampling at Site Building 817/WSA (WSA-MW9, –MW21 and WSAVMW-17) and at Site Landfill 6 TCE (LF6MW-16, -17, -20, -31 and LF6VMW-26).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: one monitoring well (LF6MW-31) did not stabilize below the 50 NTU level. LF6MW-31 stabilized at ~80 NTU. The bladder pump well covers for monitoring wells LF6MW-16 and -20 are in poor condition and the discharge hose connection is very corroded. It is recommended to replace both bladder pump well covers. The compressor for the bladder pump was kept in the heated vehicle and overheated. Turning it off for 15 minutes relieved this problem.

Corrective actions taken or instructions obtained from AFCEE personnel: None.

Sampling shipment completed: □ Yes √ No LSL Courier will pick the samples up on Monday.

DCQCR Prepared by: Niels van Hoesel, PM Date: 3/15/13

CQCC Signature: Cornelia vanHoesel Date: 3/18/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): Building 817 / WSA

Well No. (LOCID): WSAMW-9 Well Diameter (SDIAM): 2 inch

Date (LOGDATE): 3/15/13 Weather: Sun / 25°F → snow

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

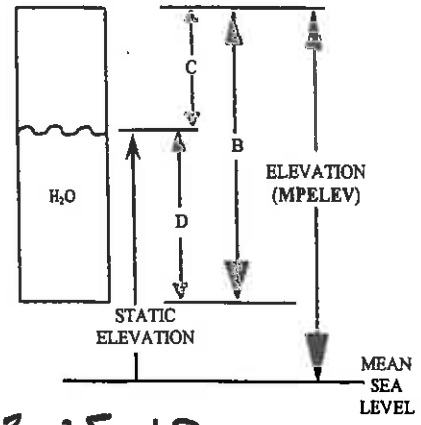
Measured Water Level Depth (C) (STATDEP) 5.73 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): _____

Depth during Purging/Sampling: 5.86 - 5.96 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3-15-13

Physical Appearance/Comments: clear / no odor

~~Dissolved Ferrous Iron (mg/L)~~: min purge vol = 398 mL

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1027	5.86	7.98	0.366	3.80	11.7	0.00	-38	100
1031	5.86	7.99	0.335	3.76	9.8	0.00	-27	100
1035	5.86	7.98	0.320	3.48	7.8	0.00	-18	100
1039	5.86	7.98	0.313	3.48	6.1	0.00	-11	100
1043	5.86	7.99	0.307	3.39	8.0	0.00	-4	100
1047	5.86	7.98	0.305	3.28	6.6	0.00	0	100
1051	5.86	7.99	0.302	3.28	4.9	0.00	4	100

Sample Time: 1053 Sample ID: WSAM0909LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: RM/MG

Location and Site Code (SITEID): Building 817/WSA

Well No. (LOCID): WSAMW-17 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/15/13 Weather: snow / 25°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

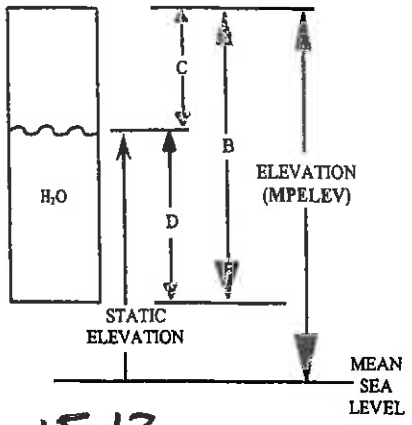
Measured Water Level Depth (C) (STATDEP) 13.75 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 22

Depth during Purging/Sampling: 13.90-13.95 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP 3-15-13

Physical Appearance/Comments: clear / no odor

Dissolved Ferrous Iron (mg/L): purge 884 mL prior to reading.

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1505	13.90	7.31	0.162	6.26	17.4	11.66	87	100
1509	13.90	7.15	0.156	6.20	10.2	9.99	90	100
1513	13.90	7.11	0.156	6.18	6.5	9.34	89	100
1517	13.90	7.10	0.153	6.13	4.2	8.65	90	100
1521	13.90	7.06	0.154	6.08	1.9	8.15	91	100
1525	13.90	7.04	0.153	5.98	1.4	7.77	93	100
1529	13.90	7.06	0.153	5.93	0.8	7.46	94	100

Sample Time: 1531 Sample ID: WSAM1722LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: km/MG

Location and Site Code (SITEID): B817 / WSA

Well No. (LOCID): WSAMW-21 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/15/13 Weather: snow / 25°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

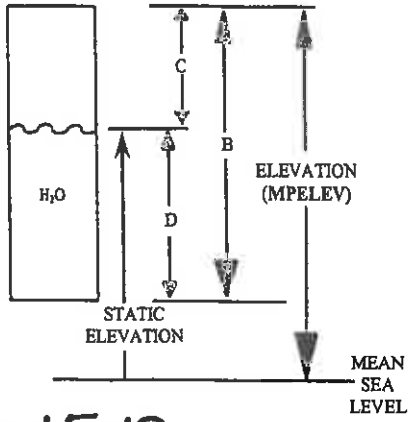
Measured Water Level Depth (C) (STATDEP) 21.61 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 24

Depth during Purging/Sampling: 21.9 - 21.95 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 3-15-13

Physical Appearance/Comments: Cloudy / no odor

~~Dissolved Ferrous Iron (mg/L)~~: purge 928 mL prior to reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1033	21.90	7.78	0.214	6.17	39.3	7.61	94	100
1037	21.90	7.76	0.213	6.30	33.2	6.46	90	100
1041	21.90	7.75	0.215	6.47	26.0	5.71	88	100
1045	21.90	7.74	0.218	6.62	24.5	5.27	86	100
1049	21.90	7.74	0.221	6.53	21.2	4.33	85	100
1153	21.90	7.76	0.223	6.70	21.5	3.89	84	100
1157	21.90	7.77	0.230	6.79	17.9	4.18	80	100
1201	21.90	7.78	0.231	6.49	18.4	3.12	80	100
1225	21.90	7.78	0.234	6.74	17.5	2.49	79	100
1229	21.90	7.80	0.240	6.65	15.5	1.49	78	100
1233	21.90	7.80	0.242	6.78	14.1	1.02	78	100

Sample Time: _____ Sample ID: WSAM2124LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

& air compressor overheats, wait 15 mins between readings &

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: KM/MG

Location and Site Code (SITEID): B817/WSA

Well No. (LOCID): WSAMW-21 Well Diameter (SDIAM): 2inch

Date (LOGDATE): 3/15/13 Weather: snow/25°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

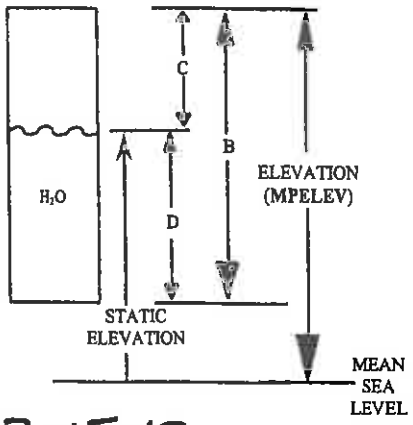
Measured Water Level Depth (C) (STATDEP) 21.61 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 24

Depth during Purging/Sampling: 21.9 - 21.95 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP / 3-15-13

Physical Appearance/Comments: cloudy / no odor

~~Dissolved Ferrous Iron (mg/L):~~ purge 528 mL prior to reading

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1234	21.90	7.81	0.244	6.70	12.8	0.74	77	100
1241	21.90	7.81	0.247	6.81	14.4	0.37	76	100
1245	21.90	7.82	0.249	6.94	19.4	0.20	75	100
1249	21.90	7.83	0.252	6.97	18.3	0.14	74	100
1253	21.90	7.84	0.252	6.94	16.7	0.00	74	100
1257	21.90	7.84	0.253	7.12	16.7	0.00	73	100
1301	21.90	7.85	0.255	7.10	16.5	0.00	73	100

Sample Time: 1303 Sample ID: WSAM2124LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JP/JW

Location and Site Code (**SITEID**): LF6

Well No. (**LOCID**): LF6MW-16 Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 5/15/13 Weather: cloudy / 30°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

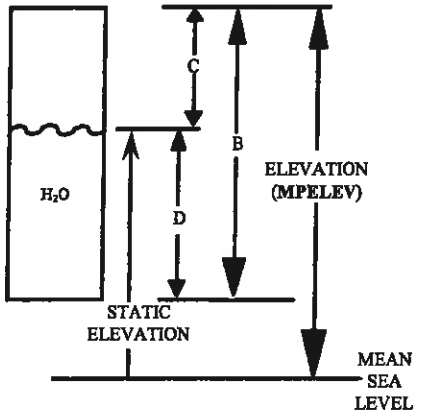
Measured Water Level Depth (C) (**STATDEP**) 4.15 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 45 ft.

Depth during Purging/Sampling: 4.15 - 4.18 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Remove 1,390 mL top prior to readings.

Physical Appearance/Comments: clear, slight sulfur odor

Dissolved Ferrous Iron (mg/L): _____

* LF6MW-16 needs new well top (quick connects, airline etc...) *

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1100	4.15	6.93	0.871	10.90	0.0	0.00	-60	200
1102	4.15	6.93	0.879	10.95	0.0	0.00	-63	200
1104	4.15	6.94	0.881	10.93	0.0	0.00	-64	200
1106	4.15	6.93	0.883	10.92	0.0	0.00	-64	200
1108	4.15	6.93	0.884	10.89	0.0	0.00	-65	200

Sample Time: 1110 Sample ID: LF6 MW16 45LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 117-06-03 Sampled by: JP/JW

Location and Site Code (SITEID): LFG

Well No. (LOCID): LFGMW-17 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/15/13 Weather: cloudy/ 30°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

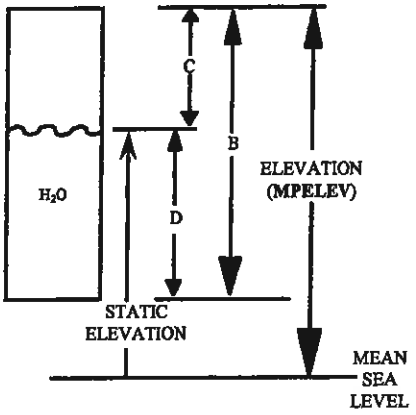
Measured Water Level Depth (C) (STATDEP) 4.70 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 50

Depth during Purging/Sampling: 4.70 - 4.75 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Remove 1500 mL H2O prior to readings.

Physical Appearance/Comments: clear, slight sulfur odor

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1134	4.70	7.03	0.756	10.70	0.0	0.00	0	200
1136	4.70	7.02	0.753	10.72	0.0	0.00	0	200
1138	4.70	7.02	0.750	10.64	0.0	0.00	0	200
1140	4.76	7.02	0.747	10.53	0.0	0.00	-1	200
1142	4.70	7.02	0.745	10.6	0.0	0.00	-1	200

Sample Time: 1144 Sample ID: LFGMW17501A/LC

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 1717-06-03 Sampled by: JP/DN

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6MW-20 Well Diameter (SDIAM): 2"

Date (LOGDATE): 5/15/13 Weather: Sun/30°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

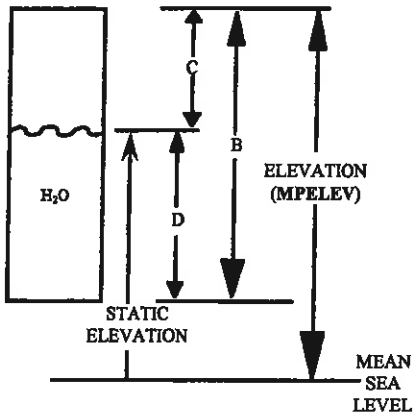
Measured Water Level Depth (C) (STATDEP) 4.05 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 46

Depth during Purging/Sampling: 4.00 - 4.05 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Removed 1,412 mL H2O prior to reading 5.

Physical Appearance/Comments: clear w/ slight sulfur odor

Dissolved Ferrous Iron (mg/L): _____

* LF6MW-20 needs new well top (quick connects, air line etc..) *

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1024	4.00	6.53	0.893	12.70	0.0	0.20	-19	200
1026	4.00	6.54	0.876	13.48	0.0	0.00	-25	200
1028	4.00	6.53	0.870	13.78	0.0	0.00	-28	200
1030	4.00	6.51	0.874	13.84	0.0	0.00	-31	200
1032	4.00	6.51	0.875	13.80	0.0	0.00	-33	200
1034	4.00	6.52	0.876	13.72	0.0	0.00	-34	200

Sample Time: 1036 Sample ID: LF6M20-16LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JP/JW

Location and Site Code (SITEID): LF6

Well No. (LOCID): WL-LF6VMW-26 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/15/13 Weather: snow/ 30°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

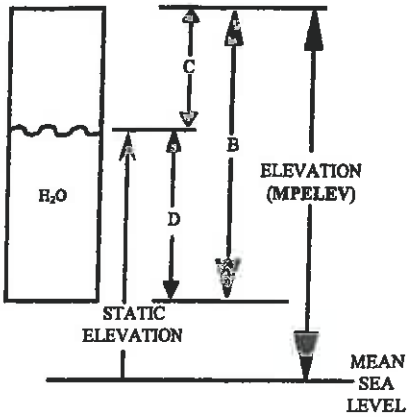
Measured Water Level Depth (C) (STATDEP) 5.02 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 50

Depth during Purging/Sampling: 5.02 - 5.05 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Remove 1,500 mL H2O prior to readings

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): *Poor check valve*

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1514	5.02	7.51	0.962	9.05	0.0	5.44	-27	200
1516	5.02	7.71	0.795	9.14	0.0	3.42	-57	200
1518	5.02	7.63	0.811	9.17	0.0	1.31	-70	200
1520	5.02	7.60	0.934	9.21	0.0	1.52	-77	200
1522	5.02	7.60	0.945	9.25	0.0	0.95	-80	200
1524	5.02	7.62	0.947	9.30	0.0	0.40	-86	200
1526	5.02	7.60	0.943	9.30	0.0	0.09	-90	200
1528	5.02	7.59	0.949	9.32	0.0	0.00	-92	200
1530	5.02	7.55	0.958	9.35	0.0	0.00	-94	200
1532	5.02	7.54	0.951	9.32	0.0	0.00	-95	200

Sample Time: 1534 Sample ID: LF6VM 2650 LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-00-03 Sampled by: JP/JW

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6MW-3 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/15/13 Weather: Snow/ 30°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

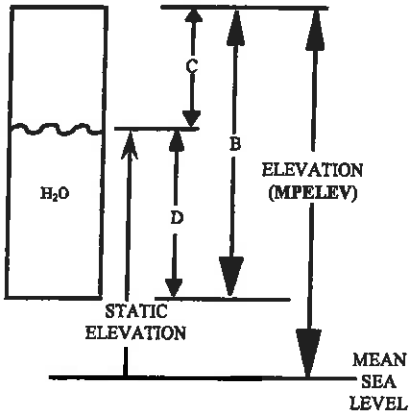
Measured Water Level Depth (C) (STATDEP) 2.68 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 45

Depth during Purging/Sampling: 2.68 - 2.72 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Remove 1390 mL H_2O prior to readings.

Physical Appearance/Comments: clear, no odor, became cloudy

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1406	2.68	7.02	0.983	9.43	242	0.00	-99	200
1408	2.68	7.02	0.987	9.62	211	0.00	-101	200
1410	2.68	7.02	0.987	9.69	185	0.00	-103	200
1412	2.68	7.02	0.988	9.80	149	0.00	-104	200
1414	2.68	7.02	0.988	9.93	118	0.00	-105	200
1416	2.68	7.02	0.987	9.96	90.1	0.00	-107	200
1418	2.68	7.01	0.986	10.01	79.2	0.00	-105	200
1420	2.68	7.01	0.995	10.15	76.5	0.00	-107	200

Sample Time: 1422 Sample ID: LF6M345LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 3/15/13

CALIBRATOR(S) NAME: JW

EQUIPMENT SUPPLIER(S):

PHOTOIONIZATION DETECTOR:

Equipment Model: U-52 Horiba

Serial Number:

Calibration Gas (circle): Isobutylene 100 ppm or Other:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

NOTES:

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER: Rental Horiba U-52

Equipment Model:

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	(YES) / NO	3.93	
Conductivity Standard:	4.49 mS/cm	4.48	(YES) / NO	4.37	
Turbidity Standard:	0 NTU	0.0	(YES) / NO	104	

		D.O	Temperature/ Saturation		D.O	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	NA	YES / NO	NA		
	Fresh Air Saturation (mg/L)	9.30	23°C	YES / NO	9.61	22°C	Saturation temperature dependent.

GROUNDWATER QUALITY METER: Rental Horiba #2 U-52

Equipment Model:

Serial Number:

	Standard:	Calibration Reading	Within Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	(YES) / NO	4.00	
Conductivity Standard:	4.49 mS/cm	4.49	(YES) / NO	4.50	
Turbidity Standard:	0 NTU	0.5	(YES) / NO	14 NTU	

		D.O	Temperature/ Saturation		D.O	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	NA	(YES) / NO	0.0	NA	
	Fresh Air Saturation (mg/L)	9.30	23°C	(YES) / NO	9.51	22°	Saturation temperature dependent.

OTHER

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288/9_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
LF6M1645LA	LF6MW-16	3/15	1110	WG	BP	N	0/0	7	3	1	1	2	
LF6M1750LA	LF6MW-17	3/15	1144	WG	BP	N	0/0	7	3	1	1	2	
LF6M1750LC	LF6MW-17	3/15	1144	WG	BP	FD	0/0	7	3	1	1	2	
LF6M2046LA	LF6MW-20	3/15	1036	WG	BP	N	0/0	7	3	1	1	2	
LF6VM2650LA	WL-LF6VMW-26	3/15	1534	WG	BP	N	0/0	7	3	1	1	2	
LF6M3145LA	LF6MW-31	3/15	1422	WG	BP	N	0/0	7	3	1	1	2	
031513LE	FIELDQC	3/15	1630	WQ	BP	EB	0/0	7	3	1	1	2	
031513LF	FIELDQC	3/15	1440	WQ	NA	AB	0/0	3	3	-	-	-	
031513LR	FIELDQC	3/15	0920	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date 3/18/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 10:42	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson	Date: 3-18-13	#3 Received by: (Sig)	Date:
Company Name: FPM remediations	Time: 3/15/2013	Company Name: Life Science Labs	Time: 10:45	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
WSAM0909LA	WSAMW-9	3/15	1053	WG	BP	N	0/0	7	3	1	1	2	
WSAM1722LA	WL-WSAVMW-17	3/15	1531	WG	BP	N	0/0	7	3	1	1	2	
WSAM2124LA	WL-WSAMW-21	3/15	1303	WG	BP	N	0/0	7	3	1	1	2	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/18/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 10:42	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson	Date: 3-18-13	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 10:45	Company Name:	Time:

MATRIX
WG = Ground water
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SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 3/15/13

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: —

Any required corrective action: —

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 3/15/13 *Time :* 8:30

Location: FPM office (garage)

Weather Conditions: 30° Snow

Meeting Type: Daily Health and Safety

Personnel Present:

Jake Pratt, Josh Wenzel, Katrina Mathias, Mark Gifford

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

frost bite, slip trip fall

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

—

Property Damage:

—

Description (include sequence of events describing step by step how incident happened):

—

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

—

Report made by (Name): Nicole Van Wezel

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 717-06-03

AHA Number: —

Job Location: LF6

Date: 3/15/13

Name of Trainer: Niels van Noord

Subjects/AHAs Covered: Slip trip fall hypothermia

Training Aids Used: —

Attendees (Please sign name legibly):

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Niels van Noord Date: 3/15/13

Current Weather Conditions:

Temperature (°F) = 30 Wind Direction = _____ Wind Speed = _____

Clear - Sunny – Cloudy – Rain - (Snow) Forecast = cloudy / snow

Current Site Conditions (circle as appropriate): Dry - Wet - Muddy - Frozen - (Snow Covered -
Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☑ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities: —

3. Activities Taking Place Today: sampling B817 / LF6 TCE

3. Anticipated Hazards: hypothermia slip trip fall

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards: work in heated vehicle, take small deliberate steps

5. Additional Safety Topic or Comments: —

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Josh Wenzel		FPM
Katrina Mattice	Katrina Mattice	FPM
Mark Grifasi		FPM
Jake Pruitt		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: 717-06-03 Date: 3/15/13

Name: OB/GN Time: 8:30

Any items that have been found deficient must be corrected before work or use.

This checklist includes, but is not limited to, the following:

	Yes	No	N/A
Safe Access and Workspace			
Are safe access and adequate space for movement available for:			
Emergencies	✓		
Work area	✓		
Walkways and passageways			✓
Are ladders, stairways, and elevators properly located and functioning?			✓
Is protection provided for floor and roof openings?			✓
Is overhead protection provided for all areas of exposure?			✓
Is lighting adequate?			✓
Planning Work for Safety			
Are employees provided with all required protective equipment?	✓		
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?			✓
Is all temporary flooring, safety nets, and scaffolding provided where required?			✓
Utilities and Services Identification			✓
High voltage lines			✓
Have all been identified by signs?			✓
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?			✓
Sanitary Facilities			
Drinking water	✓		

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Are toilet facilities adequate? ✓

Work Procedures – Materials Handling

Is material handling space adequate? ✓

Is material handling equipment adequate and proper? ✓

Is material handling equipment in good condition? ✓

Physicals Hazards

Slip, trip, fall hazards ✓

Heat or cold stress ✓

Pinch points ✓

Insect bites ✓

Muscle strain from improper lifting ✓

Noise exposure ✓

Chemical Hazards

Inhaling, touching, ingesting contaminants ✓

Review and Reporting

AHAs reviewed daily? ✓

Incidents/Near Miss reported? ✓

Other (e.g., tunnels, excavations, shafts)

Comments: _____

(Use additional pages if necessary)

HEALTH AND SAFETY CHECKLIST

Project Name/Number: OBGW / 717-06-03

Site: B817 / LF6 TCE

Date: 3/15/13

Personnel Observed and Locations: —

Complete weekly for each site. Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Documentation	**Yes**	**No**	**N/A**
1. Is the APP/SSHP on-site?	☑	☐	☐
2. Has the APP/SSHP been reviewed, dated, and signed within the last year?	☑	☐	☐
3. Are the tasks being completed reflected in the hazard task analysis?	☑	☐	☐
4. Is there a written acknowledgement that all employees, including subcontractors have been briefed and read the APP/SSHP?	☑	☐	☐
5. Are the following training records current and available in the field:			
• 40-Hour HAZWOPER/8-hour refresher for ALL employees and subcontractors?	☑	☐	☐
• 24 Hours Supervised Field Experience?	☑	☐	☐
• 8-Hour HAZWOPER Annual Refresher?	☑	☐	☐
• CPR/First Aid?	☑	☐	☐
• 8-Hour Hazardous Waste Site Supervisor, and refresher?	☑	☐	☐
• Initial Site Health and Safety Briefing?	☑	☐	☐
• Site Health and Safety Briefing for each location or site?	☑	☐	☐
6. Are emergency maps posted at the Site and maintained in vehicles?	☑	☐	☐
7. Was the route to the hospital driven prior to beginning field work?	☐	☑	☐
8. Was the hospital ER/EMS informed of the work, dates and times of field operations, and provided a map to the site?	☐	☑	☐

HEALTH AND SAFETY CHECKLIST

	Yes	No	N/A
9. Were daily safety checklists completed and fire extinguishers checked?	☑	☐	☐
10. Were applicable Material Safety Data Sheets at the Site?	☑	☐	☐
11. Are documents current and available that indicate employees and subcontractors are medically fit to work and wear the required personal protective equipment?	☑	☐	☐
12. Were wells allowed to vent for 5 to 10 minutes after opening and prior to sampling?	☑	☐	☐
Observations	☐	☐	☐
13. Are exclusion zones and contaminant reduction zone adequately marked?	☑	☐	☐
14. Is required personal protective equipment available and correctly used, maintained, and stored?	☑	☐	☐
15. Is the following emergency equipment located at each site:	☐	☐	☐
• Fire extinguisher?	☑	☐	☐
• Eyewash (15 minutes fresh water)?	☑	☐	☐
• Communications (walkie-talkie or phone)?	☑	☐	☐
• First aid kit?	☑	☐	☐
16. Is the buddy system in use?	☑	☐	☐
17. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐
18. Is air monitoring equipment being used appropriately?	☐	☐	☑
19. Is the site organized to allow the use of lifting equipment, and avoid tripping hazards and spreading contamination?	☑	☐	☐
20. Was a random employee asked if he/she know site hazard and emergency procedures?	☐	☑	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: _____

Printed Name and Title: Nicole Von Koessel, PM

Date: 3/15/13

DECONTAMINATION CHECKLIST

Project Name/Number: OBGW / 717-06-03

Site: BB17 LF6 TCE

Boring/Monitoring Well Number(s): WSA-MW9, -MW17, -21, LF6MW-16, -17, -20, -31 LF6VMW-26

Date: 3/15/13

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A).
If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions: —

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: [signature]

Printed Name and Title: Niels van Noorel, PM

Date: 3/15/12

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: OB6W/ 717-06-03

Site: B817 LF6 TCE

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	**Yes**	**No**	**N/A**
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Sample forms	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: —

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: _____

Printed Name and Title: Niels van Noorel, PM

Date: 3/15/13

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: OB6W / 717-06-03

Monitoring Well Number(s): W5A-mw9, -mw21, Vmw-17, LF6mw-16, -17, -20, -31, Vmw-26

Sampling Date:

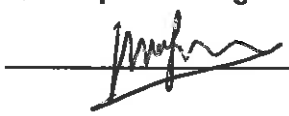
Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☑	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☑	☐	☐	☐

Corrective Actions: ———

QC Inspectors Signature:



Date: 3/15/13

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: OBGW / 717-06-03

Site: BB17 LF6 TCE

Monitoring Well Number(s): WSA-mW9, -mW21, WSAVmW-17, LF6mW-16, -17, -20, -31, LF6VmW-26

Residential Well(s): —

Sampling Date: 3/15/13

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

	Packing, Storing, and Shipment of Samples	Yes	No	N/A
1.	Were the samples handled according to the Work Plans?	☑	☐	☐
2.	Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3.	Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4.	Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5.	Were CoC forms signed and dated by the preparer, ~~placed in a resealable plastic bag, and the bag taped to the inside of~~ the ~~cooler lid~~?	☑	☐	☐
6.	Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7.	Was a shipping label attached to the cooler?	☑	☐	☐
8.	Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

Daily Chemical Quality Control Report

Project/Delivery Order Number: W912DQ-06-D-0012-0003 Date: 3/18/13

Project Name/Site Number: Griffiss On-Base Groundwater sampling (Landfill 6 TCE).

Weather conditions: Average temperature: 32 °F Average barometric reading: 30.32
Wind direction and speed: East 12 mph
Significant wind changes: Wind picked up during the day. Gusts up to 28 mph.

General description of tasks completed: Bladder pump sampling at Site Landfill 6 TCE (LF6MW-13R, -13RD, and -39). Check valve sampling at Site Landfill 6 TCE (LF6TW-33, -34, -35, -36, -and -38). Surface water sampling at Site Landfill 6 TCE (LF6SW-1PM).

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: one monitoring well (LF6MW-13R) did not stabilize below the 50 NTU level. LF6MW-13R stabilized at ~161 NTU. All check valve wells stabilized above 800 NTU, except LF6TW-36, which stabilized at 672 NTU.

Corrective actions taken or instructions obtained from AFCEE personnel: None.

Sampling shipment completed: □ Yes √ No LSL Courier will pick the samples up on Wednesday.

DCQCR Prepared by: Niels van Hoesel, PM Date: 3/18/13

CQCC Signature: Cornelia van Hoesel Date: 3/21/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
√	✓ Field sampling forms
√	✓ Equipment Calibration Log
√	✓ Copies of COCs
√	✓ Health and Safety Checklist including all sub sheets (Performance Monitoring)

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-00-05 Sampled by: TW / KP

Location and Site Code (SITEID): LF6

Well No. (LOCID): LFLVMW-13R Well Diameter (SDIAM): 2"

Date (LOGDATE): 3.12.13 Weather: 35° / SUN

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

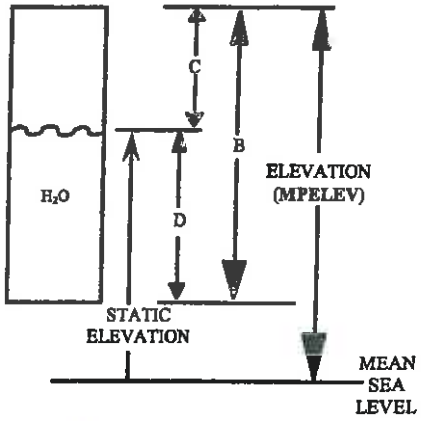
Measured Water Level Depth (C) (STATDEP) 2.00 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 31

Depth during Purging/Sampling: 2.00 - 2.04 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP purge ~ 1100 ml prior to readings

Physical Appearance/Comments: cloudy, no odor, /

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1114	2.00	7.64	0.784	10.95	162	0.00	-109	225
1116	2.00	7.66	0.783	10.97	179	0.00	-112	225
1118	2.00	7.66	0.784	11.00	174	0.00	-114	225
1120	2.00	7.66	0.784	10.97	165	0.00	-116	225
1122	2.00	7.67	0.784	11.00	161	0.00	-119	225

Sample Time: 1124 Sample ID: LF6VMW13R 3/12-A

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-06-03 Sampled by: JB / SW

Location and Site Code (**SITEID**): LFG

Well No. (**LOCID**): LFGMW-13RD Well Diameter (**SDIAM**): 2"

Date (**LOGDATE**): 3-18-13 Weather: SNW / 35°

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (**TOTDEPTH**) _____ ft. (optional)

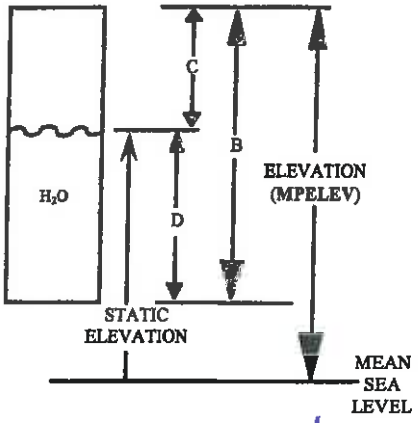
Measured Water Level Depth (C) (**STATDEP**) 1.46 ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft. (optional)

Pump Intake Depth (ft): 35

Depth during Purging/Sampling: 1.46-1.51 (provide range) ft

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP purge 2 1200 ml prior to readings

Physical Appearance/Comments: clear, no odor

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1044	1.46	7.34	.788	9.70	0.0	0.0	-104	200
1046	1.46	7.35	.777	9.69	0.0	0.0	-102	200
1048	1.46	7.36	.770	9.61	0.0	0.0	-100	200
1050	1.46	7.36	.765	9.65	0.4	0.0	-99	200
1052	1.46	7.37	.763	9.65	4.0	0.0	-99	200
1054	1.46	7.38	.761	9.61	3.8	0.0	-99	200

Sample Time: 1056 Sample ID: LFGMW13RD35LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-06-03 Sampled by: KM

Location and Site Code (**SITEID**): Landfill 6

Well No. (**LOCID**): LF6TW-33 Well Diameter (**SDIAM**): 1 inch

Date (**LOGDATE**): 3/18/13 Weather: sun / 25°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

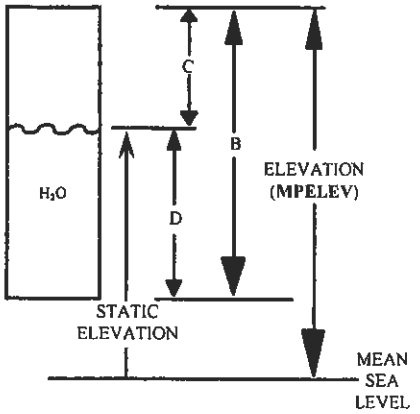
Measured Well Depth (B) (**TOTDEPTH**) 42.13 ft.

Measured Water Level Depth (C) (**STATDEP**) 6.20 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = 35.93 (D) ft.

Casing Water Volume (E) = ____ (A) x ____ (D) = 1.44 gal

Minimum Purge Volume = 4.3 gal (3 well volumes)



Purge Date and Method: Check valve/tubing / 3-18-13

Physical Appearance/Comments: silty grey / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1105	1.0	7.48	0.888	8.71	>800	0.00	5
1110	2.0	7.28	0.814	8.81	>800	1.43	-76
1113	3.0	7.23	0.820	9.41	>800	2.57	-77
1114	4.0	7.23	0.818	9.79	>800	2.17	-81
1115	5.0	7.25	0.808	9.81	>800	1.53	-83

Sample Time: 1117 Sample ID: LF6T3306LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-06-03 Sampled by: KM

Location and Site Code (**SITEID**): Landfill 6

Well No. (**LOCID**): LF6TW-34 Well Diameter (**SDIAM**): 1 inch

Date (**LOGDATE**): 3/18/13 Weather: Sun / 25°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

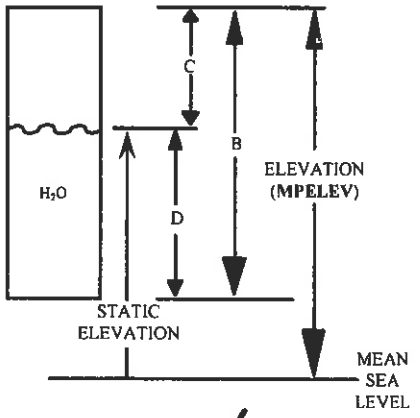
Measured Well Depth (B) (**TOTDEPTH**) 55.41 ft.

Measured Water Level Depth (C) (**STATDEP**) 5.97 ft.

Length of Static Water Column (D) = (B) 55.41 - (C) 5.97 = (D) 49.44 ft.

Casing Water Volume (E) = (A) 0.04 x (D) 49.44 = 1.98 gal

Minimum Purge Volume = 5.9 gal (3 well volumes)



Purge Date and Method: Check valve, tubing / 3-18-13

Physical Appearance/Comments: silty grey / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1143	1	7.51	0.854	8.60	7800	9.17	-55
1144	2	7.44	0.855	9.10	7800	4.88	-60
1146	3	7.40	0.854	9.59	7800	3.11	-62
1147	4	7.40	0.850	9.59	7800	3.67	-64
1148	5	7.38	0.847	9.77	7800	11.07	-63
1149	6	7.40	0.853	9.78	7800	5.11	-69

Sample Time: 1151 Sample ID: LF6T3406LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-06-03 Sampled by: km

Location and Site Code (**SITEID**): Landfill 6

Well No. (**LOCID**): LF6TW-35 Well Diameter (**SDIAM**): 1 inch

Date (**LOGDATE**): 3/18/13 Weather: sun / 25°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

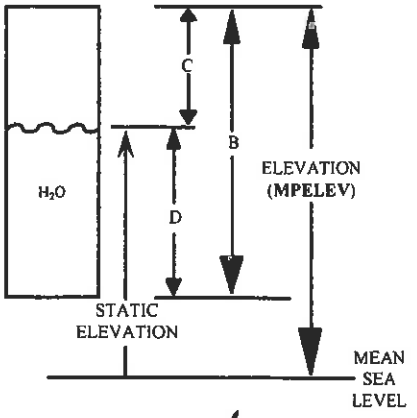
Measured Well Depth (B) (**TOTDEPTH**) 56.20 ft.

Measured Water Level Depth (C) (**STATDEP**) 5.65 ft.

Length of Static Water Column (D) = (B) 56.20 - (C) 5.65 = (D) 50.55 ft.

Casing Water Volume (E) = (A) ____ x (D) 50.55 = 2.02 gal

Minimum Purge Volume = 6.1 gal (3 well volumes)



Purge Date and Method: check valve, tubing / 3-18-13

Physical Appearance/Comments: Silty grey / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1325	1.0	7.75	0.899	8.44	7800	13.71	28
1327	2.0	7.56	0.876	9.37	7800	7.32	16
1329	3.0	7.49	0.866	9.86	7800	5.10	13
1332	4.0	7.45	0.868	9.95	7800	10.84	12
1334	5.0	7.50	0.865	9.99	7800	10.51	21
1336	6.1	7.47	0.866	10.14	7800	11.88	17

Sample Time: 1339 Sample ID: LF6T3506LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-06-03 Sampled by: KM

Location and Site Code (**SITEID**): Landfill 6

Well No. (**LOCID**): LF6TW-36 Well Diameter (**SDIAM**): 1inch

Date (**LOGDATE**): 3/18/13 Weather: sun / 25°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

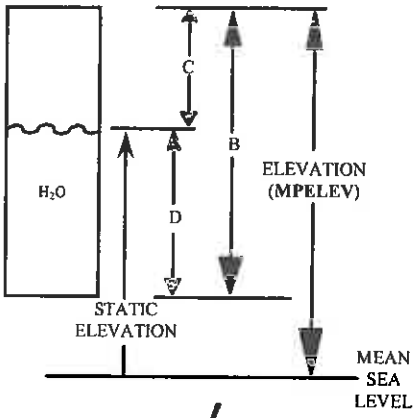
Measured Well Depth (B) (**TOTDEPTH**) 57.80 ft.

Measured Water Level Depth (C) (**STATDEP**) 5.62 ft.

Length of Static Water Column (D) = ____ (B) - ____ (C) = 52.18 ft. (D)

Casing Water Volume (E) = ____ (A) x ____ (D) = 2.09 gal

Minimum Purge Volume = 6.3 gal (3 well volumes)



Purge Date and Method: check valve, tubing / 3-18-13

Physical Appearance/Comments: silty grey / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1414	1.0	8.03	0.903	8.63	800	6.59	68
1417	2.0	7.93	0.905	9.11	656	10.89	67
1420	3.0	7.88	0.898	9.55	437	11.69	59
1423	4.0	7.85	0.894	9.45	372	3.54	33
1424	5.0	7.84	0.898	9.94	667	3.72	22
1426	6.5	7.83	0.890	9.99	672	10.96	11

Sample Time: 1430 Sample ID: LF6T3606LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-06-03 Sampled by: KM

Location and Site Code (SITEID): Landfill 6

Well No. (LOCID): LF6TW-38 Well Diameter (SDIAM): 1 inch

Date (LOGDATE): 3/18/13 Weather: sun / 25°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

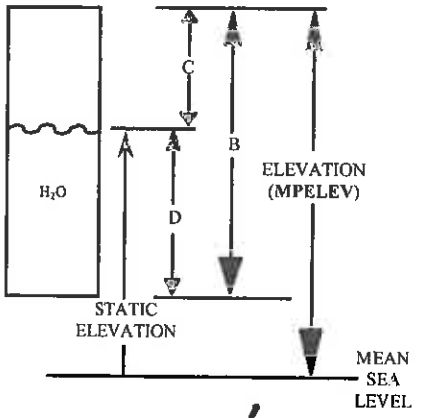
Measured Well Depth (B) (TOTDEPTH) 57.10 ft.

Measured Water Level Depth (C) (STATDEP) 7.15 ft.

Length of Static Water Column (D) = (B) 57.10 - (C) 7.15 = (D) 49.95 ft.

Casing Water Volume (E) = (A) 1 x (D) 49.95 = 1.998 gal

Minimum Purge Volume = 6.0 gal (3 well volumes)



Purge Date and Method: check valve tubing / 3-18-13

Physical Appearance/Comments: silty brown / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1443	1.0	7.96	0.588	8.43	7800	13.39	28
1445	2.0	7.94	0.617	9.24	7800	6.46	30
1446	3.0	7.95	0.652	9.55	7800	10.64	33
1447	4.0	7.95	0.669	9.71	7800	5.78	34
1448	5.0	7.95	0.695	9.77	7800	4.41	37
1449	6.0	7.96	0.709	9.75	7800	3.91	42
1450	6.5	7.96	0.745	9.87	7800	2.92	45
1451	7.0	7.96	0.744	9.70	7800	4.80	46
1452	7.5	7.97	0.754	9.81	7800	10.18	51

Sample Time: 1455 Sample ID: LF6T3807LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM
(LOW FLOW)

Project: 717-36-03 Sampled by: JF/JM

Location and Site Code (SITEID): LF6

Well No. (LOCID): LF6MW-39 Well Diameter (SDIAM): 2"

Date (LOGDATE): 3/18/13 Weather: cloudy / 30°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	8.0
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

Measured Well Depth (B) (TOTDEPTH) _____ ft. (optional)

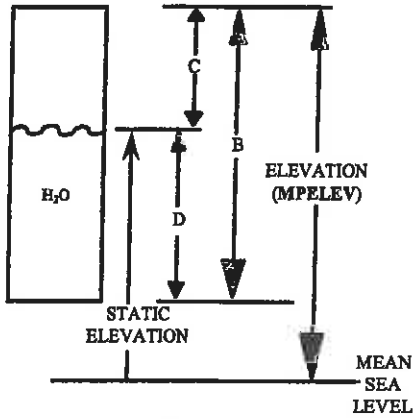
Measured Water Level Depth (C) (STATDEP) 6.78 ft.

Length of Static Water Column (D) = (B) - (C) = (D) ft. (optional)

Pump Intake Depth (ft): 20

Depth during Purging/Sampling: 6.75-6.83 ft (provide range)

Comments (re: Depth during purging/sampling): _____



Purge Date and Method: BLADDER PUMP Removed 850 mL H2O prior to readings

Physical Appearance/Comments: clear, no odor *poor check valve*

Dissolved Ferrous Iron (mg/L): _____

FIELD MEASUREMENTS:

Allowable Range:		± 0.1	± 3%		± 10%	± 10%	± 10mV	
Time	Depth to Water (ft BTOC)	pH	EC (mS/cm)	Temp (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)	Flow Rate (mL/min)
1346	6.78	7.29	0.162	10.09	0.0	3.46	65	200
1348	6.78	7.18	0.171	10.14	0.0	3.18	71	200
1350	6.78	7.17	0.165	10.19	0.0	3.06	74	200
1352	6.78	7.09	0.160	10.23	0.0	2.85	78	200
1354	6.78	7.06	0.157	10.27	0.6	2.75	80	200
1356	6.78	7.08	0.156	10.26	0.6	2.70	81	200

Sample Time: 1358 Sample ID: LF6MW39 (S) LA

Note: Maintain a flow rate of 200-500 mL/min during purging. Collect samples at a flow rate between 100-250 mL/min. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

WELL PURGING & SAMPLING FORM

Project: 717-06-03 Sampled by: JW | JP

Location and Site Code (**SITEID**): Landfill 6

Well No. (**LOCID**): LF6SW-1PM Well Diameter (**SDIAM**): _____

Date (**LOGDATE**): 3|18|13 Weather: sun / 20°F

CASING VOLUME INFORMATION:

Casing ID (inch)	1.0	1.5	2.0	2.2	3.0	4.0	4.3	5.0	6.0	7.0	
Unit Casing Volume (A) (gal/ft)	0.04	0.09	0.16	0.2	0.37	0.65	0.75	1.0	1.5	2.0	2.6

PURGING INFORMATION:

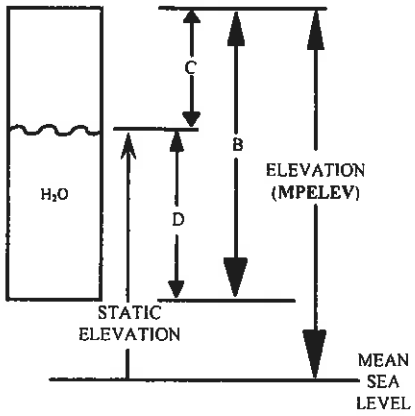
Measured Well Depth (B) (**TOTDEPTH**) _____ ft.

Measured Water Level Depth (C) (**STATDEP**) surface water ft.

Length of Static Water Column (D) = _____ (B) - _____ (C) = _____ (D) ft.

Casing Water Volume (E) = _____ (A) x _____ (D) = _____ gal

Minimum Purge Volume = _____ gal (3 well volumes)



Purge Date and Method: grab / 3-18-13

Physical Appearance/Comments: clear / no odor

FIELD MEASUREMENTS:

Allowable Range: ± 0.1 ± 5% ±1°C

Time	Volume Removed (gal)	pH	EC (mS/cm)	Temp. (F or C)	Turbidity (NTU)	D.O. (mg/L)	ORP (mV)
1015	grab	8.27	1.00	6.30	0	15.56	-54

Sample Time: 1020 Sample ID: LF6SW01PM01LA

Note: Attempt to get at least 5 sets of field measurements during purging. Sample may be collected after 3 to 5 well volumes have been removed and parameters have stabilized. Sample may be collected after 6 well volumes if parameters do not stabilize. VOC and gas sensitive (e.g. alkalinity, Fe^{2+}, CH_4, H_2S) parameters should be sampled first.

FPM *Remediations, Inc.*

EQUIPMENT CALIBRATION LOG

BASE: Former Griffiss AFB

DATE: 3/8/13

CALIBRATOR(S) NAME: JW

PMENT SUPPLIER(S): FPM/Pine

PHOTOIONIZATION DETECTOR

Equipment Model:

Serial Number:

Calibration Gas (circle): Isobutylene 100 ppm or Other:

NOTES:

Ambient Air: ppm

Calibration Concentration: ppm

Post Calibration Reading: ppm

Calibration Successful: YES / NO

GROUNDWATER QUALITY METER Pine Env. Horiba U-50

Equipment Model:

Serial Number:

	Standard:	Calibration Reading	Wthin Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	(YES) / NO	3.89	
Conductivity Standard:	4.49 mS/cm	4.47	(YES) / NO	4.55	
Turbidity Standard:	0 NTU	0.3	(YES) / NO	198	

		DO	Temperature/ Saturation		DO	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	NA	YES / NO	NA	NA	
	Fresh Air Saturation (mg/L)	9.4	23°C	YES / NO	8.58	23°C	Saturation temperature dependent.

GROUNDWATER QUALITY METER FPM Horiba #2 U-50

Equipment Model:

Serial Number:

	Standard:	Calibration Reading	Wthin Calibration Range	End of Day Check	NOTES:
pH Standard:	4.0 pH	4.00	(YES) / NO	3.94	
Conductivity Standard:	4.49 mS/cm	4.49	(YES) / NO	4.49	
Turbidity Standard:	0 NTU	0.0	(YES) / NO	62.2	

		DO	Temperature/ Saturation		DO	Temperature/ Saturation	
Dissolved Oxygen:	0.0 mg/L	0.0	NA	YES / NO	NA	NA	
	Fresh Air Saturation (mg/L)	9.6	21°C	YES / NO	9.05	23°C	Saturation temperature dependent.

OTHER

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288/9_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Josh Wenzel	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: Kristie Mattice	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
LF6VM13R31LA	LF6VMW-13R	3/18	1124	WG	BP	N	0/0	7	3	1	1	2	
LF6VM13RD35LA	LF6VMW-13RD	3/18	1056	WG	BP	N	0/0	7	3	1	1	2	
LF6T3306LA	LF6TW-33	3/18	1117	WG	B	N	0/0	7	3	1	1	2	
LF6T3406LA	LF6TW-34	3/18	1151	WG	B	N	0/0	7	3	1	1	2	
LF6T3506LA	LF6TW-35	3/18	1339	WG	B	N	0/0	7	3	1	1	2	
LF6T3606LA	LF6TW-36	3/18	1430	WG	B	N	0/0	7	3	1	1	2	
LF6T3807LA	LF6TW-38	3/18	1455	WG	B	N	0/0	7	3	1	1	2	
LF6M3920LA	LF6MW-39	3/18	1358	WG	BP	N	0/0	7	3	1	1	2	
LF6SW01PM01LA	LF6SW-1PM	3/18	1020	WG	G	N	0/0	7	3	1	1	2	
031813LE	FIELDQC	3/18	1548	WQ	BP	EB	0/0	7	3	1	1	2	
031813LF	FIELDQC	3/18	1440	WQ	NA	AB	0/0	3	3	-	-	-	
031813LR	FIELDQC	3/18	0920	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1030	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)	Date: 3-20-13	#3 Received by: (Sig)	Date:
Company Name: FPM remediations	Time: 1000	Company Name: Life Science Labs	Time: 10:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Health and Safety Checklist (FPM Group Ltd. Performance Monitoring)

Date: 3/18/13

Daily Health and Safety Meeting Form ☑ complete

Exhibit 2. AHA Training Record ☑ complete

Exhibit 3. Sign in Sheet ☑ complete

Exhibit 4. Safety and Health Inspection Checklist ☑ complete

Exhibit 5. Health and Safety Violations Form

☑ not applicable for today ☐ complete

Any injuries reported ☑ No ☐ Yes

if yes, explain: _____

_____

_____

_____

Any required corrective action: ~~_____~~

_____

Decontamination Checklist ☑ complete

Field Documentation Checklist ☑ complete

Sample and Water Level Collection Checklist ☑ complete

Packing, Storing, and Shipping of Samples Checklist ☑ complete

Daily Health and Safety Meeting Form

Date: 3/18/13 *Time :* 8:30

Location: FPM office (garage)

Weather Conditions: 25°F cold clear

Meeting Type: Daily Health and Safety

Personnel Present:

Jake Pratt, Josh Wenriel, Katrina Mattice

Visitors Present: —

Visitor Training: —

PPE Required: Modified D

Possible risks, injuries, concerns:

hypothermia, access to LF6 (sloppy, wet)

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

—

Property Damage:

—

Description (include sequence of events describing step by step how incident happened):

—

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

—

Report made by (Name): Nicole Van Hoesen

SSHP Organization Title: Site Safety and Health Officer

EXHIBIT 2
ACTIVITY HAZARDS ANALYSIS TRAINING RECORD

Job Number: 217-06-03

AHA Number: —

Job Location: LFE TCE

Date: 3/18/13

Name of Trainer: Niels van Hoek

Subjects/AHAs Covered: slip trip fall movement for check valve pumping

Training Aids Used: —

Attendees (Please sign name legibly):

Kathrin Mattice

(Use additional sheets if necessary)

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

Safety Meeting Presenter: Nick von Hoesel Date: 3/18/13

Current Weather Conditions:

Temperature (°F) = 32 Wind Direction = E Wind Speed = 12

(Clear) - Sunny – Cloudy – Rain - Snow Forecast = Snow pm

Current Site Conditions (circle as appropriate): Dry - Wet - Muddy - (Frozen) - Snow Covered - Other (describe) _____

1. Incidents or Injuries to report from Previous Day Activities: No ☑ Yes ☐ - explain below:

2. Safe and/or At-Risk Observations from Previous Day Activities: —

3. Activities Taking Place Today: sampling LF6

3. Anticipated Hazards: check valve tubing operation

4. Engineering Controls-Work Practices-PPE to Protect Against Hazards: layered clothing

5. Additional Safety Topic or Comments: —

EXHIBIT 3
SAFETY MEETING SIGN-IN SHEET

PRINTED NAME	SIGNATURE	COMPANY
Josh Wenzel		FPM
Katrina Mattice	Katrina Mattice	FPM
Jake Pruitt		FPM

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Project: OB6W/17-06-03 Date: 3/18/13

Name: OB6W Time: 8:30

Any items that have been found deficient must be corrected before work or use.

This checklist includes, but is not limited to, the following:

	Yes	No	N/A
Safe Access and Workspace			
Are safe access and adequate space for movement available for:			
Emergencies	✓		
Work area	✓		
Walkways and passageways			✓
Are ladders, stairways, and elevators properly located and functioning?			✓
Is protection provided for floor and roof openings?			✓
Is overhead protection provided for all areas of exposure?			✓
Is lighting adequate?	✓		
Planning Work for Safety			
Are employees provided with all required protective equipment?	✓		
Have other contractors and trades been coordinated with to prevent congestion and avoid hazards?			✓
Is all temporary flooring, safety nets, and scaffolding provided where required?			✓
Utilities and Services Identification			✓
High voltage lines			✓
Have all been identified by signs?			✓
Have high voltage lines been moved or de-energized, or barriers erected to prevent employee contact?			✓
Sanitary Facilities			
Drinking water	✓		

EXHIBIT 4
SAFETY AND HEALTH INSPECTION CHECKLIST

Are toilet facilities adequate? ✓

Work Procedures – Materials Handling

Is material handling space adequate? ✓

Is material handling equipment adequate and proper? ✓

Is material handling equipment in good condition? ✓

Physicals Hazards

Slip, trip, fall hazards ✓

Heat or cold stress ✓

Pinch points ✓

Insect bites ✓

Muscle strain from improper lifting ✓

Noise exposure ✓

Chemical Hazards

Inhaling, touching, ingesting contaminants ✓

Review and Reporting

AHAs reviewed daily? ✓

Incidents/Near Miss reported? ✓

Other (e.g., tunnels, excavations, shafts)

Comments: —

(Use additional pages if necessary)

HEALTH AND SAFETY CHECKLIST

Project Name/Number: OB6W1 717-06-03

Site: L86 TCE

Date: 3/18/13

Personnel Observed and Locations: —

Complete weekly for each site. Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Documentation	Yes	No	N/A
1. Is the APP/SSHP on-site?	☑	☐	☐
2. Has the APP/SSHP been reviewed, dated, and signed within the last year?	☑	☐	☐
3. Are the tasks being completed reflected in the hazard task analysis?	☑	☐	☐
4. Is there a written acknowledgement that all employees, including subcontractors have been briefed and read the APP/SSHP?	☑	☐	☐
5. Are the following training records current and available in the field:			
• 40-Hour HAZWOPER/8-hour refresher for ALL employees and subcontractors?	☑	☐	☐
• 24 Hours Supervised Field Experience?	☑	☐	☐
• 8-Hour HAZWOPER Annual Refresher?	☑	☐	☐
• CPR/First Aid?	☑	☐	☐
• 8-Hour Hazardous Waste Site Supervisor, and refresher?	☑	☐	☐
• Initial Site Health and Safety Briefing?	☑	☐	☐
• Site Health and Safety Briefing for each location or site?	☑	☐	☐
6. Are emergency maps posted at the Site and maintained in vehicles?	☑	☐	☐
7. Was the route to the hospital driven prior to beginning field work?	☐	☑	☐
8. Was the hospital ER/EMS informed of the work, dates and times of field operations, and provided a map to the site?	☐	☑	☐

HEALTH AND SAFETY CHECKLIST

	Yes	No	N/A
9. Were daily safety checklists completed and fire extinguishers checked?	☑	☐	☐
10. Were applicable Material Safety Data Sheets at the Site?	☑	☐	☐
11. Are documents current and available that indicate employees and subcontractors are medically fit to work and wear the required personal protective equipment?	☑	☐	☐
12. Were wells allowed to vent for 5 to 10 minutes after opening and prior to sampling?	☑	☐	☐
Observations	☐	☐	☐
13. Are exclusion zones and contaminant reduction zone adequately marked?	☑	☐	☐
14. Is required personal protective equipment available and correctly used, maintained, and stored?	☑	☐	☐
15. Is the following emergency equipment located at each site:	☐	☐	☐
• Fire extinguisher?	☑	☐	☐
• Eyewash (15 minutes fresh water)?	☑	☐	☐
• Communications (walkie-talkie or phone)?	☑	☐	☐
• First aid kit?	☑	☐	☐
16. Is the buddy system in use?	☑	☐	☐
17. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐
18. Is air monitoring equipment being used appropriately?	☐	☑	☑
19. Is the site organized to allow the use of lifting equipment, and avoid tripping hazards and spreading contamination?	☐	☐	☑
20. Was a random employee asked if he/she know site hazard and emergency procedures?	☐	☑	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: _____

Printed Name and Title: Niels van Hoorn, FPM, PM

Date: 3/18/13

DECONTAMINATION CHECKLIST

Project Name/Number: OB6W1 717-06-03

Site: LF6 TCE

Boring/Monitoring Well Number(s): LF6MW-13R, -13RD, -39, LF6TW-33, -34, -35, -36, -38

Date: 3/18/13

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all sampling equipment decontaminated properly prior to use and between sample intervals or locations?	✓			
2. Was each decontamination event recorded in the field logbook?	✓			

Corrective Actions: ———

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

Parsons Representative Signature: [signature]

Printed Name and Title: Niels van Noxel, PM

Date: 3/18/13

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: OB6W / 717-06-03

Site: LF6 TCE

Answer each question by checking the appropriate column (yes, no, or N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

Field Documentation	**Yes**	**No**	**N/A**
1. Was all original field data recorded in black indelible ink?	☑	☐	☐
2. Were logbooks filled out properly; accurately recounting the day's events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:	☑	☐	☐
• (list documents below)	☐	☐	☐
• Sample forms	☑	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐
•	☐	☐	☐

List additional field forms completed: —

4. Was field documentation forwarded to office for peer review and QC?	☑	☐	☐
5. Were deficiencies reported to the Project Manager?	☑	☐	☐

The Parsons Representative shall sign this checklist upon completion of all items on the checklist.

FIELD DOCUMENTATION CHECKLIST

Parsons Representative Signature: _____

Printed Name and Title: Niels van Noort, PM

Date: 3/18/13

SAMPLE AND WATER LEVEL COLLECTION CHECKLIST

Project Name/Number: OBGW / 717-06-03

Monitoring Well Number(s): LF6mw-13R, -13RD, -39, LF6TW-33, -34, -35, -36, -38

Sampling Date:

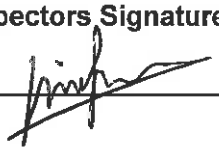
Complete for each monitoring well sampling location inspected. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the FSP?	☑	☐	☐	☐
3. If applicable, were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Were bottles adequately protected from contamination prior to sampling collection?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the FSP?	☑	☐	☐	☐
7. Were monitoring wells scheduled to have water levels taken and sampled properly identified?	☑	☐	☐	☐
8. Were water levels recorded to the nearest 0.01 feet and obtained on the same day?	☑	☐	☐	☐
9. Was in situ groundwater parameter data collected from each well and obtained in accordance with the FSP and manufacturer's recommendations?	☑	☐	☐	☐
Groundwater for Chemical Analysis				
10. Were groundwater parameters stable before sample collection (as per FSP)?	☑	☐	☐	☐
11. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)? Note: approval must be obtained from the project geologist and project manager prior to sampling in turbid conditions.	☑	☐	☐	☐
12. Was a field sampling form completed?	☑	☐	☐	☐

13. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
14. Was low-flow sampling conducted in accordance with the approved SAP?	☑	☐	☐	☐
15. Was headspace in sample containers for volatiles eliminated?	☑	☐	☐	☐

Corrective Actions: —

QC Inspectors Signature:



Date: 3/18/13

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: OB6WJ 717-06-03

Site: LF6 TCE

Monitoring Well Number(s): LF6mw-13R, -13R.D, -39, LF6TW-33, -34, -35, -36, -39

Residential Well(s): —

Sampling Date: 3/18/13

Complete daily. Answer each question by checking the appropriate column (yes, no, or not applicable N/A). If a No *is checked, provide an explanation on the Noncompliance and Corrective Actions form.*

	Packing, Storing, and Shipment of Samples	Yes	No	N/A
1.	Were the samples handled according to the Work Plans?	☑	☐	☐
2.	Was preservative verified to be present in pre-preserved containers prior to sample collection?	☑	☐	☐
3.	Did the samples remain on ice from collection until cooler was taped for shipment?	☑	☐	☐
4.	Were CoC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and matrix sampled?	☑	☐	☐
5.	Were CoC forms signed and dated by the preparer, ~~placed in a resealable~~ plastic bag, and the bag taped ~~to~~ the inside of the ~~cooler lid~~?	☑	☐	☐
6.	Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐
7.	Was a shipping label attached to the cooler?	☑	☐	☑
8.	Was custody documentation intact until receipt by the laboratory?	☑	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

FPM GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Building 775
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Job # K1209273

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	1
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	September 25, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
775M2771NA	9/25/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
NA – Primary environmental samples

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical method employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)

- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

There were no discrepancies between the chain of custody and the sample labels.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV-24699				
1,2-Dibromo-3-chloropropane	***-21.7***	±20	UJ	%D less than lower control limit, all results non-detect
Bromomethane	***26.6***	±20	None	%D greater than upper control limit, all results non-detect
Dichlorodifluoromethane	***33.7***	±20	None	%D greater than upper control limit, all results non-detect

Corrective Action: In accordance with the case narrative, no corrective action was required for the compounds listed in the above table when the %D was above the upper control limit and all associated sample results were non-detect. When the %D was less than the lower control limit, the results were deemed usable with qualification, and "UJ" flags were applied to all associated (non-detect) results.

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # K1209273: LCS/LCSD-24699				
LCS: Bromomethane	139	30-141	None	%Rec greater than upper control limit; all field sample results non-detect
LCSD: Bromomethane	***142***			

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are estimated (flagged "UJ"), unless a very low bias (<30%) is observed, in which case the non-detects are rejected (flagged "R"). The DOD QSM does allow for sporadic marginal exceedances.

Corrective Action: According to the case narrative, the laboratory did not perform corrective action since the %Rec was greater than the upper control limit and associated results were non-detect.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # K1209273 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 11/27/12

ATTACHMENTS

- Chain of Custody
- Laboratory Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method:	SW8260B	**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
775M2771NA	K1209273-001A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: _____ Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771NA	**Lab Sample ID:**	K1209273-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1129.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.430	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		~~UQ~~ UJ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

CWA 11/27/12

K1209273

AFCEE
CHAIN OF CUSTODY RECORD

282

COC#: _A_ SDG#: ~~276~~ _ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
775M2771NA	775MW-27	9/25	1108	WG	BP	N	0/0	3	3	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 5.0 °C on Ice

Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Mattice	Date: 9-26-12	#3 Released by: (Sig) Bill Donaldson	Date: 9-26-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name: Life Science Labs	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig)	Date: 9-26-10
Company Name: FPM Group Ltd	Time:	Company Name: Life Science Labs	Time: 0925	Company Name: LSL	Time: 14:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: FPM

Date and Time Received: 9/26/2012 2:10:00 PM

Work Order Number: K1209273

Received by: gis

Checklist completed by: GS (Initials) 9-26-12 (Date)

Reviewed by: [signature] (Initials) 9-27-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Client: FPM
Project/Order: Griffiss AFB – Bldg 775
Work Order #: K1209273
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): 10/25/12
Supervisor/Reviewed by (Initials/Date): 10/25/12
QA/QC Review (Initials/Date): AC for LK 10/25/12

File Name: U:\Narratives\MSVoa\K1209273msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCSD-24699	Bromomethane	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24699	MS4	1,2-Dibromo-3-chloropropane	-21.7		1
		Bromomethane	26.6		2
		Dichlorodifluoromethane	33.7		2

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-Bldg 775- Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were found upon sample receipt. The temperature of the well-iced cooler was 5.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

Client:	FPM
Project/Order:	Griffiss AFB – Bldg 775
Work Order #:	K1209273
Methodology:	8260B

1 The recovery marginally exceeded the lower control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

2 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *25-Oct-12*

CLIENT: FPM Group
Project: Griffiss AFB - Bldg 775
Lab Order: K1209273

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209273-001A	775M2771NA	775MW-27	9/25/2012	9/26/2012

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771NA	**Lab Sample ID:**	K1209273-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1129.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	1.56	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	21.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771NA	**Lab Sample ID:**	K1209273-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1129.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	96	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	392306	271303 - 1085212	
Chlorobenzene-d5	451667	315344 - 1261376	
Fluorobenzene	1142253	785144 - 3140578	

Comments:

FPM GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Building 775
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Job # K1209274

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	16
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	September 24, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
775VM0465NA	9/24/12	092412NE, 092412NF, 092412NR	9/24/12
775VM0570NA	9/24/12		
775M0673NA	9/24/12		
775VM0873NA	9/24/12		
775VM0992NA	9/24/12		
775VM1095NA	9/24/12		
775VM19R67NA	9/24/12		
775M20115NA	9/24/12		
775VMW20R115NA	9/24/12		
775M2880NA	9/24/12	775M2880NC	9/24/12
775E0175NA	9/24/12		
775EF0101NA	9/24/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

NA – Primary environmental samples
NC – Field duplicate
NE – Equipment blank
NF – Ambient blank
NR – Trip blank

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical method employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)

- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory. As mentioned in the case narrative, MS/MSD samples were collected for 775M2880NA, but were not spiked due to laboratory error. The error was not discovered until after the holding time was expired.

SAMPLE LABELING

There were no discrepancies between the chain of custody and the sample labels.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV-24698				
Hexachlorobutadiene	***20.7***	±20	None	%D greater than upper control limit, all results non-detect
Bromomethane	***33.8***	±20	None	%D greater than upper control limit, all results non-detect
Dichlorodifluoromethane	***33.3***	±20	None	%D greater than upper control limit, all results non-detect

Corrective Action: In accordance with the case narrative, no corrective action was required for the compounds listed in the above table when the %Rec was above the upper control limit and all associated sample results were non-detect.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

  The following table summarizes the relative percent differences (RPD's) of field duplicate sample set 775M2880NA/NC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	RL (µg/L)	RPD	Flag Applied	Rationale
775M2880NA	775M2880NC	Trichloroethene	1.12	1.08	1.00	3.6	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analyte in duplicate sample set 775M2880NA/NC.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # K1209274 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 11/27/12

ATTACHMENTS

- Chain of Custody
- Laboratory Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24698

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
775VM0465NA	K1209274-001A
775VM0570NA	K1209274-002A
775M0673NA	K1209274-003A
775VM0873NA	K1209274-004A
775VM0992NA	K1209274-005A
775VM1095NA	K1209274-006A
775VM19R67NA	K1209274-007A
775M20115NA	K1209274-008A
775VMW20R115NA	K1209274-009A
775M2880NA	K1209274-010A
775M2880NC	K1209274-011A
775E0175NA	K1209274-012A
775EF0101NA	K1209274-013A
092412NE	K1209274-014A
092412NF	K1209274-015A
092412NR	K1209274-016A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: _____ Title: Project Manager

Analytical Results

K1209274

AFCEE
CHAIN OF CUSTODY RECORD

232

COC#: _A_ SDG#: ~~276~~ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: K. Mattice	

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
01	775VM0465NA	775VMW-4	9/24	1052	WG	BP	N	0/0	3	3	
02	775VM0570NA	775VMW-5	9/24	1126	WG	BP	N	0/0	3	3	
03	775M0673NA	775MW-6	9/24	1408	WG	BP	N	0/0	3	3	
04	775VM0873NA	775VMW-8	9/24	1446	WG	BP	N	0/0	3	3	
05	775VM0992NA	775VMW-9	9/24	1125	WG	BP	N	0/0	3	3	
06	775VM1095NA	775VMW-10	9/24	1349	WG	BP	N	0/0	3	3	
07	775VM19R67NA	775MW-19R	9/24	1551	WG	BP	N	0/0	3	3	
08	775M20115NA	775MW-20	9/24	1509	WG	BP	N	0/0	3	3	
09	775VM20R115NA	775VMW-20R	9/24	1703	WG	BP	N	0/0	3	3	
10	775M2880NA	775MW-28	9/24	1550	WG	BP	N	0/0	3	3	
11	775M2880NC	775MW-28	9/24	1550	WG	BP	FD	0/0	3	3	
10	775M2880NS	775MW-28	9/24	1550	WG	BP	MS	0/0	3	3	
10	775M2880ND	775MW-28	9/24	1550	WG	BP	SD	0/0	3	3	
12	775E0175NA	775EW-1	9/24	1230	WG	BP	N	0/0	3	3	
13	775EF0101NA	775EF-1	9/24	1136	WG	G	N	0/0	3	3	

K1209274

114	092412NE	FIELDQC	9/24	0830	WQ	BP	EB	0/0	3	3	
115	092412NF	FIELDQC	9/24	1142	WQ	NA	AB	0/0	3	3	
116	092412NR	FIELDQC	9/24	0915	WQ	NA	TB	0/0	2	2	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 5.0°C on Ice

Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9-26-12	#3 Released by: (Sig) Bill Donaldson	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name: Life Science Labs	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig)	Date: 9-26-12
Company Name: FPM Group Ltd	Time:	Company Name: Life Science Labs	Time: 0925	Company Name: LSL	Time: 14:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Client: FPM
Project/Order: Griffiss AFB – Bldg 775
Work Order #: K1209274
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): 10/25/12
Supervisor/Reviewed by (Initials/Date): 10/25/12
QA/QC Review (Initials/Date): AC for LK 10/26/12

File Name: U:\Narratives\MSVoa\K1209274msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24698	MS4	Bromomethane	33.8		1
		Dichlorodifluoromethane	33.3		1
		Hexachlorobutadiene	20.7		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-Bldg 775- Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were found upon sample receipt. The temperature of the well-iced cooler was 5.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

Client:	FPM
Project/Order:	Griffiss AFB – Bldg 775
Work Order #:	K1209274
Methodology:	8260B

Miscellaneous

Sample 775M2880NA [12109274-010A] was scheduled for MS/MSD analysis but was not spiked due to laboratory error. The error was not discovered until holding time was expired so no MS/MSD is reported.

Life Science Laboratories, Inc.

Date: *25-Oct-12*

CLIENT: FPM Group
Project: Griffiss AFB - Bldg 775
Lab Order: K1209274

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209274-001A	775VM0465NA	775VMW-4	9/24/2012	9/26/2012
K1209274-002A	775VM0570NA	775VMW-5	9/24/2012	9/26/2012
K1209274-003A	775M0673NA	775MW-6	9/24/2012	9/26/2012
K1209274-004A	775VM0873NA	775VMW-8	9/24/2012	9/26/2012
K1209274-005A	775VM0992NA	775VMW-9	9/24/2012	9/26/2012
K1209274-006A	775VM1095NA	775VMW-10	9/24/2012	9/26/2012
K1209274-007A	775VM19R67NA	775MW-19R	9/24/2012	9/26/2012
K1209274-008A	775M20115NA	775MW-20	9/24/2012	9/26/2012
K1209274-009A	775VMW20R115NA	775VMW-20R	9/24/2012	9/26/2012
K1209274-010A	775M2880NA	775MW-28	9/24/2012	9/26/2012
K1209274-011A	775M2880NC	775MW-28	9/24/2012	9/26/2012
K1209274-012A	775E0175NA	775EW-1	9/24/2012	9/26/2012
K1209274-013A	775EF0101NA	775EF-1	9/24/2012	9/26/2012
K1209274-014A	092412NE	FIELDQC	9/24/2012	9/26/2012
K1209274-015A	092412NF	FIELDQC	9/24/2012	9/26/2012
K1209274-016A	092412NR	FIELDQC	9/24/2012	9/26/2012

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0465NA	**Lab Sample ID:**	K1209274-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1102.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.180	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0465NA	**Lab Sample ID:**	K1209274-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1102.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Conditions	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.610	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	6.03	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0465NA	**Lab Sample ID:**	K1209274-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1102.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	518573	271303 - 1085212	
Chlorobenzene-d5	590609	315344 - 1261376	
Fluorobenzene	1498520	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570NA	**Lab Sample ID:**	K1209274-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1103.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.320	2		F
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		U
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	2.00	2		U
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570NA	**Lab Sample ID:**	K1209274-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1103.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	0.200	2		U
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	0.320	2		U
Methylene chloride	0.320	2.00	0.320	2		U
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	0.200	2		U
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	56.9	2		
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	0.660	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570NA	**Lab Sample ID:**	K1209274-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1103.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	R	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	500399	271303 - 1085212	
Chlorobenzene-d5	583468	315344 - 1261376	
Fluorobenzene	1465704	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673NA	**Lab Sample ID:**	K1209274-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1104.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.160	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673NA	**Lab Sample ID:**	K1209274-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1104.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MD	RL	Concentration	Dilution	Column	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.740	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	18.5	1		
Trichlorofluoromethane	0.100	1.00	0.270	1		F
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673NA	**Lab Sample ID:**	K1209274-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1104.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	500570	271303 - 1085212	
Chlorobenzene-d5	578441	315344 - 1261376	
Fluorobenzene	1450639	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873NA	**Lab Sample ID:**	K1209274-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1105.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	DF	Column	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.390	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873NA	**Lab Sample ID:**	K1209274-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1105.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	25.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873NA	**Lab Sample ID:**	K1209274-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1105.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	480447	271303 - 1085212	
Chlorobenzene-d5	566982	315344 - 1261376	
Fluorobenzene	1413294	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0992NA	**Lab Sample ID:**	K1209274-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1106.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0992NA	**Lab Sample ID:**	K1209274-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1106.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.170	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.510	1		F
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0992NA	**Lab Sample ID:**	K1209274-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1106.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	[illegible]	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	470114	271303 - 1085212	
Chlorobenzene-d5	552446	315344 - 1261376	
Fluorobenzene	1395847	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095NA	**Lab Sample ID:**	K1209274-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1107.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.350	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095NA	**Lab Sample ID:**	K1209274-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1107.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qual
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	41.5	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095NA	**Lab Sample ID:**	K1209274-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1107.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	466643	271303 - 1085212	
Chlorobenzene-d5	544562	315344 - 1261376	
Fluorobenzene	1366276	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67NA	**Lab Sample ID:**	K1209274-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1108.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qual
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67NA	**Lab Sample ID:**	K1209274-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1106.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifiers	Q
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.150	1		F
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67NA	**Lab Sample ID:**	K1209274-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1108.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	CRDL	MDL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	458293	271303 - 1085212	
Chlorobenzene-d5	542101	315344 - 1261376	
Fluorobenzene	1346821	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260B
Preparatory Method:
AAB #: R24698

Lab Name: Life Science Laboratories, Inc.
Contract #:

Field Sample ID: 775M20115NA
Lab Sample ID: K1209274-008A
Matrix: Groundwater

% Solids: 0
Initial Calibration ID: 1853
File ID: R1109.D

Date Received: 26-Sep-12
Date Extracted:
Date Analyzed: 26-Sep-12

Concentration Units (ug/L or mg/Kg dry weight): ug/L
Sample Size: 10 mL

Analyte	MDL	RL	Concentrati	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.170	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.870	1		F
1,1-Dichloroethene	0.160	1.00	0.810	1		F
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115NA	**Lab Sample ID:**	K1209274-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1109.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil.	Cf	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.130	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	12.2	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115NA	**Lab Sample ID:**	K1209274-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1109.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	461312	271303 - 1085212	
Chlorobenzene-d5	537767	315344 - 1261376	
Fluorobenzene	1334935	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VMW20R115NA	**Lab Sample ID:**	K1209274-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1110.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VMW20R115NA	**Lab Sample ID:**	K1209274-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1110.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VMW20R115NA	**Lab Sample ID:**	K1209274-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1110.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	Inst.	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	448211	271303 - 1085212	
Chlorobenzene-d5	532752	315344 - 1261376	
Fluorobenzene	1324716	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NA	**Lab Sample ID:**	K1209274-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1111.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NA	**Lab Sample ID:**	K1209274-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1111.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	1.12	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NA	**Lab Sample ID:**	K1209274-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1111.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	448929	271303 - 1085212	
Chlorobenzene-d5	536152	315344 - 1261376	
Fluorobenzene	1333423	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NC	**Lab Sample ID:**	K1209274-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1114.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qual
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.99	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NC	**Lab Sample ID:**	K1209274-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1114.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	1.08	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NC	**Lab Sample ID:**	K1209274-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1114.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	429769	271303 - 1085212	
Chlorobenzene-d5	513938	315344 - 1261376	
Fluorobenzene	1283962	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260B
Preparatory Method:
AAB #: R24698

Lab Name: Life Science Laboratories, Inc.
Contract #:

Field Sample ID: 775E0175NA
Lab Sample ID: K1209274-012A
Matrix: Groundwater

% Solids: 0
Initial Calibration ID: 1853
File ID: R1115.D

Date Received: 26-Sep-12
Date Extracted:
Date Analyzed: 26-Sep-12

Concentration Units (ug/L or mg/Kg dry weight): ug/L
Sample Size: 10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.410	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175NA	**Lab Sample ID:**	K1209274-012A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1115.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.450	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R24698
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	775E0175NA	Lab Sample ID:	K1209274-012A	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1853	File ID:	R1115.D
Date Received:	26-Sep-12	Date Extracted:		Date Analyzed:	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surr Date	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	434946	271303 - 1085212	
Chlorobenzene-d5	525640	315344 - 1261376	
Fluorobenzene	1305963	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101NA	**Lab Sample ID:**	K1209274-013A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1116.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.390	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101NA	**Lab Sample ID:**	K1209274-013A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1116.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.520	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	42.6	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101NA	**Lab Sample ID:**	K1209274-013A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1116.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	429453	271303 - 1085212	
Chlorobenzene-d5	518804	315344 - 1261376	
Fluorobenzene	1274941	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NE	**Lab Sample ID:**	K1209274-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1117.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	IDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NE	**Lab Sample ID:**	K1209274-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1117.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	LEDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.130	1		F
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NE	**Lab Sample ID:**	K1209274-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1117.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	416097	271303 - 1085212	
Chlorobenzene-d5	506191	315344 - 1261376	
Fluorobenzene	1278328	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NF	**Lab Sample ID:**	K1209274-015A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1118.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	L	Concentration	Dilution	Units	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NF	**Lab Sample ID:**	K1209274-015A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1118.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NF	**Lab Sample ID:**	K1209274-015A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1118.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	429111	271303 - 1085212	
Chlorobenzene-d5	520617	315344 - 1261376	
Fluorobenzene	1275678	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NR	**Lab Sample ID:**	K1209274-016A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1119.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NR	**Lab Sample ID:**	K1209274-016A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1119.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NR	**Lab Sample ID:**	K1209274-016A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1119.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	99	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	414858	271303 - 1085212	
Chlorobenzene-d5	512369	315344 - 1261376	
Fluorobenzene	1267719	785144 - 3140578	

Comments:

FPM GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Apron 2
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Job # K1209275/K1209284

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	25
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	September 25-26, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
AP2M0327KA	9/25/12	092512KE, 092512KF, 092512KR	9/25/12
782VM7638KA	9/25/12		
782VM7840KA	9/25/12		
782VM8146KA	9/25/12		
782VM8440KA	9/25/12		
782VM84D50KA	9/25/12		
782VM9637KA	9/25/12		
782VM10025KA	9/25/12		
782M1027KA	9/25/12		
782VM10118KA	9/26/12	782VM10118KC	9/26/12
782VM105B36KB	9/26/12	782VM105B36KC, 782VM105B36KS, 782VM105B36KD	9/26/12
782VM12116KA	9/26/12		
782VM121D26KA	9/26/12		
782SW11501KA	9/26/12		
782SW11801KA	9/26/12		
782SW11901KA	9/26/12	092612KF, 092612KR	9/26/12

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
KA, KB – Primary environmental samples
KC – Field duplicate
KD – Matrix spike duplicate (MSD)
KE – Equipment blank

KF – Ambient blank
KR – Trip blank
KS – Matrix spike (MS)

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Anions (including chloride, nitrate, and sulfate) by Method SW9056, Total Alkalinity by Method SM 2320 B, and Dissolved Organic Carbon by Method SM 5310 B.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks

- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

There were no discrepancies between the chain of custody and the sample labels.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the AFCEE Sheet 2's, the following samples were analyzed at initial dilutions: 782VM7840KA and 782VM9637KA at 1:2. The dilution results only are reported and are used in data verification as representing original results.

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV-24699				
1,2-Dibromo-3-chloropropane	***-21.7***	±20	UJ	%D less than lower control limit, all results non-detect
Bromomethane	***26.6***	±20	None	%D greater than upper control limit, all results non-detect
Dichlorodifluoromethane	***33.7***	±20	None	%D greater than upper control limit, all results non-detect
CCV-24734				
Bromomethane	***30.7***	±20	None	%D greater than upper control limit, all results non-detect
2-Chlorotoluene	***22.7***	±20	None	%D greater than upper control limit, all results non-detect
Carbon Tetrachloride	***23.5***	±20	None	%D greater than upper control limit, all results non-detect
sec-Butylbenzene	***21.1***	±20	None	%D greater than upper control limit, all results non-detect

Corrective Action: In accordance with the case narrative, no corrective action was required for the compounds listed in the above table when the %Rec was above the upper control limit and all associated sample results were non-detect. When the %D was less than the lower control limit, the results were deemed usable with qualification, and "UJ" flags were applied to all associated (non-detect) results.

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # K1209275/1209284: LCS/LCSD-24699				
LCS: Bromomethane	139	30-141	None	%Rec greater than upper control limit; all field sample results non-detect
LCSD: Bromomethane	***142***			

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the

percent recovery of the spike compounds. The LCS results are used to evaluate each analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are estimated (flagged "UJ"), unless a very low bias (<30%) is observed, in which case the non-detects are rejected (flagged "R"). The DOD QSM does allow for sporadic marginal exceedances.

Corrective Action: According to the case narrative, the laboratory did not perform corrective action since the %Rec was greater than the upper control limit and associated results were non-detect.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to lllblbe qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

  The following table summarizes the relative percent differences (RPD's) of field duplicate sample set 782VM105B36KB/KC (there were no results above the RLs in sample set 782VM10118KA/KC):

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	RL (µg/L)	RPD	Flag Applied	Rationale
782VM105B36KB	782VM105B36KC	cis-1,2-DCE	1.96	1.88	1.00	4.2	None	RPD < 20%
782VM105B36KB	782VM105B36KC	Trichloroethene	22.3	21.3	1.00	4.6	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analyte in duplicate sample sets 782VM10118KA/KC and 782VM105B36KB/KC.

WET CHEMISTRY ANALYSES

- According to the case narrative, several samples required dilutions after original results were above the calibration curve:

Analyte	Sample	Dilution
Chloride	AP2M0327KA	1:5
Chloride	782VM9637KA	1:5
Sulfate	782VM10025KA	1:5
Sulfate	782VM10118KA	1:5
Sulfate	782VM10118KC	1:5
Sulfate	782VM12116KA	1:5

Use diluted sample results for the listed compounds only. Original sample results are modified accordingly.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits. If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and rejected ("R") for nondetects. Using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("R") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

  The following table summarizes the relative percent differences (RPD's) of field duplicate sample sets 782VM10118KA/KC and 782VM105B36KB/KC:

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	RL (mg/L)	RPD	Flag Applied	Rationale
782VM10118KA	782VM10118KC	Chloride	26	26	1.0	0.0	None	RPD < 20%
782VM10118KA	782VM10118KC	Sulfate	98	100	5.0	2.0	None	RPD < 20%
782VM10118KA	782VM10118KC	DOC	2.0	1.9	1.0	5.1	None	RPD < 20%
782VM10118KA	782VM10118KC	Alkalinity	320	330	10	3.1	None	RPD < 20%
782VM105B36KB	782VM105B36KC	Chloride	3.8	3.8	1.0	0.0	None	RPD < 20%
782VM105B36KB	782VM105B36KC	Sulfate	6.6	6.5	1.0	1.5	None	RPD < 20%
782VM105B36KB	782VM105B36KC	DOC	1.3	1.9	1.0	***37.5***	J	RPD > 20%
782VM105B36KB	782VM105B36KC	Alkalinity	250	250	10	0.0	None	RPD < 20%

Corrective Action: There was one exceedance (DOC) for the duplicate sample set 782VM105B36KA/KC, and there were no RPD exceedances for any analyte in the duplicate sample set 782VM10118KA/KC. "J" flags were applied to the DOC results for the duplicate sample set 782VM105B36KA/KC only.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Wet Chemistry

Based on the evaluation of all information in the analytical data groups, the wet chemistry results are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # K1209275/1209284 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 11/27/12

ATTACHMENTS

- Chain of Custody
- Laboratory Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R24699

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA	K1209275-001C
782VM7638KA	K1209275-002C
782VM7840KA	K1209275-003C
782VM8146KA	K1209275-004C
782VM8440KA	K1209275-005C
782VM84D50KA	K1209275-006C
782VM9637KA	K1209275-007C
782VM10025KA	K1209275-008C
782M1027KA	K1209275-009C
092512KE	K1209275-010C
092512KF	K1209275-011A
092512KR	K1209275-012A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM10118KA	K1209284-001C
782VM10118KC	K1209284-002C
782VM105B36KB	K1209284-003C
782VM105B36KB	K1209284-003CMS
782VM105B36KB	K1209284-003CMSD
782VM105B36KC	K1209284-004C
782VM12116KA	K1209284-005C
782VM121D26KA	K1209284-006C
782SW11501KA	K1209284-007C
782SW11801KA	K1209284-008C
782SW11901KA	K1209284-009C
092612KF	K1209284-010A
092612KR	K1209284-011A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: ~~27677~~ 2 Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: K. Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
AP2M03[illegible]KA	AP2MW-3	9/25	1520	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM7638KA	WL-782VMW-76	9/25	1335	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM7840KA	WL-782VMW-78	9/25	1019	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM8146KA	WL-782VMW-81	9/25	1115	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM8440KA	WL-782VMW-84	9/25	1216	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM84D50KA	WL-782VMW-84D	9/25	1314	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM9637KA	WL-782VMW-96	9/25	1447	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM10025KA	WL-782VMW-100	9/25	1630	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782M1027KA	WL-782MW-10	9/25	1537	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
092512KE	FIELDQC	9/25	0850	WQ	NA	EB	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
092512KF	FIELDQC	9/25	1103	WQ	NA	AB	0/0	3	3	-	-	-	
092512KR	FIELDQC	9/25	0852	WQ	NA	TB	0/0	2	2	-	-	-	

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Sample Condition Upon Receipt at Laboratory:	Cooler temperature:
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0. Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056. Note 3: DOC: method SM5310B. Note 4: Alkalinity: method SM2320B.	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Mentzel	Date: 9-26-12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 0925	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

K1209284

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Alkalinity note 4 ~~250 mL poly~~ (no headspace) 500 mL poly	Comments
001	782VM10118KA	WL-782VMW-101	9/26	1100	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
002	782VM10118KC	WL-782VMW-101	9/26	1100	WG	BP	FD	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
003	782VM105B36KB	WL-782VMW-105B	9/26	1512	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
004	782VM105B36KC	WL-782VMW-105B	9/26	1512	WG	BP	FD	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
003.	782VM105B36KS	WL-782VMW-105B	9/26	1512	WG	BP	(MS)	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
003.	782VM105B36KD	WL-782VMW-105B	9/26	1512	WG	BP	(SD)	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
005	782VM12116KA	WL-782VMW-121	9/26	1414	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
006	782VM121D26KA	WL-782VMW-121D	9/26	1221	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
007	782SW11501KA	782SW-115	9/26	0952	WS	G	N	0/0	3	3	-	-	-	
008	782SW11801KA	782SW-118	9/26	1006	WS	G	N	0/0	3	3	-	-	-	
009	782SW11901KA	782SW-119	9/26	1026	WS	G	N	0/0	3	3	-	-	-	
	~~092612KE~~	~~FIELDQC~~	~~9/26~~	~~1700~~	~~WQ~~	~~NA~~	~~EB~~	~~0/0~~	~~6~~	~~3~~	~~1~~	~~1~~	~~1~~	
010	092612KF	FIELDQC	9/26	1432	WQ	NA	AB	0/0	3	3	-	-	-	
011	092612KR	FIELDQC	9/26	0850	WQ	NA	TB	0/0	2	2	-	-	-	

K 1209284

Sample Condition Upon Receipt at Laboratory:	Cooler temperature: < 6.0°C
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0. Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056. Note 3: DOC: method SM5310B. Note 4: Alkalinity: method SM2320B.	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9/27/12	#3 Released by: (Sig)	Date: 9-27-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0900	Company Name: LSC	Time: 12:00
#1 Received by: (Sig) Niels van Hoesel	Date: :	#2 Received by: (Sig)	Date: 9/27/12	#3 Received by: (Sig)	Date: 9-27-12
Company Name: FPM Group Ltd	Time: 1000	Company Name: LSC	Time: 930	Company Name: LSC	Time: 12:00

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

2

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – Apron 2 Performance
Work Order #:	K1209275 and K1209284
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 11/2/12

Supervisor/Reviewed by (Initials/Date): 11/2/12

QA/QC Review (Initials/Date): AE for LR 11-2-12

File Name: U:\Narratives\MSVoa\K1209275msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCSD-24699	Bromomethane	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

MS/MSD/MSB
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24699	MS4	1,2-Dibromo-3-chloropropane	-21.7		1

Client: FPM
Project/Order: Griffiss AFB – Apron 2 Performance
Work Order #: K1209275 and K1209284
Methodology: 8260B

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24699	MS4	Bromomethane	26.6		2
		Dichlorodifluoromethane	33.7		2
CCV-24734	MSK	2-Chlorotoluene	22.7		2
		Bromomethane	30.7		2
		Carbon tetrachloride	23.5		2
		sec-Butylbenzene	21.1		2

1 The recovery marginally exceeded the lower control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

2 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Miscellaneous
Benzene was detected in sample AP2M0327KA [K1209275-001C] above the upper calibration limit. The need for reanalysis at a dilution was inadvertently overlooked until holding time had expired. Results for benzene are flagged as estimated.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – Apron 2 Performance
Work Order #:	K1209275, K1209284
Methodology:	Anions - Ion Chromatography - SW9056 Dissolved Organic Carbon – SM 5310 B

Analyzed/Reviewed by (Date/Initials): 10-24-12 MT

Supervisor/Reviewed by (Date/Initials): 10-24-12 MT

QA/QC Review (Date/Initials): 11-2-12 AC for LK

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

MS/MSD AND MS/MSD RPD
All spike recovery and RPD data met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Apron 2 Performance
Work Order #:	K1209275
Methodology:	Alkalinity, as CaCO3 – SM 2320 B

Analyzed/Reviewed by (Date/Initials): 10/10/12

Supervisor/Reviewed by (Date/Initials): 10/10/12

QA/QC Review (Date/Initials): 10/12/12

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Apron 2 Performance
Work Order #:	K1209284
Methodology:	Alkalinity, as CaCO3 - SM 2320 B
Analyzed/Reviewed by (Date/Initials):	10/10/12
Supervisor/Reviewed by (Date/Initials):	10/10/12
QA/QC Review (Date/Initials):	10/12/12

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1131.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	1.30	1		F
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	8.03	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		~~UQ~~ UJ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	1.58	1		
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	211	1		J
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

Cat 11/29/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1131.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.330	1		F
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.730	1		F
Methyl tert-butyl ether	0.160	5.00	30.1	1		
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.630	1		F
Naphthalene	0.100	1.00	2.46	1		
o-Xylene	0.100	1.00	0.120	1		F
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.260	1		F
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1131.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	1.42	1		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	81	72 - 119	
4-Bromofluorobenzene	92	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	464300	271303 - 1085212	
Chlorobenzene-d5	506224	315344 - 1261376	
Fluorobenzene	1366968	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1132.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	D	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ UJ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	2.23	1		
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

11/29/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1132.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.740	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	3.91	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.510	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	9.54	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1132.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	93	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	456556	271303 - 1085212	
Chlorobenzene-d5	513523	315344 - 1261376	
Fluorobenzene	1294600	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R24699
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	782VM7840KA	Lab Sample ID:	K1209275-003C	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1853	File ID:	R1133.D
Date Received:	26-Sep-12	Date Extracted:		Date Analyzed:	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.200	2		U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		UJ
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	2.00	2		U
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1133.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	46.7	2		
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	0.320	2		U
Methylene chloride	0.320	2.00	0.320	2		U
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	3.94	2		
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	0.200	2		U
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	6.38	2		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1133.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	442417	271303 - 1085212	
Chlorobenzene-d5	509348	315344 - 1261376	
Fluorobenzene	1292963	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1134.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ UJ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1134.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	C
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	25.5	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	1.00	1		
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	3.41	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	2.61	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1134.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	428335	271303 - 1085212	
Chlorobenzene-d5	496208	315344 - 1261376	
Fluorobenzene	1251448	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1135.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.110	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ UJ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.260	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1135.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.820	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	1.03	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.190	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	35.8	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1135.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	443984	271303 - 1085212	
Chlorobenzene-d5	496323	315344 - 1261376	
Fluorobenzene	1270650	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1136.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil.	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.120	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ UJ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.310	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1653	**File ID:**	R1136.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.420	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	1.88	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.200	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	24.6	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1136.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	432197	271303 - 1085212	
Chlorobenzene-d5	506720	315344 - 1261376	
Fluorobenzene	1259876	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1137.D
Date Received:	25-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.200	2		U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		UQ UJ
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	2.00	2		U
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1137.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	0.200	2		U
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	8.78	2		F
Methylene chloride	0.320	2.00	0.320	2		U
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	0.200	2		U
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	0.200	2		U
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	44.9	2		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1137.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Lit	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	438622	271303 - 1085212	
Chlorobenzene-d5	498911	315344 - 1261376	
Fluorobenzene	1252109	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1138.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ J5
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.57	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1136.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1138.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	430430	271303 - 1085212	
Chlorobenzene-d5	502867	315344 - 1261376	
Fluorobenzene	1252928	785144 - 3140576	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1139.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.360	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ U5
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.85	1		F
Benzene	0.100	0.500	0.440	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

cdt 11/29/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1139.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	37.9	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.250	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	3.31	1		
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	20.6	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1139.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	431610	271303 - 1085212	
Chlorobenzene-d5	498803	315344 - 1261376	
Fluorobenzene	1261854	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1140.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ MT
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1140.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.110	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1140.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	426091	271303 - 1085212	
Chlorobenzene-d5	495891	315344 - 1261376	
Fluorobenzene	1254620	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KF	**Lab Sample ID:**	K1209275-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1141.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ UJ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R24699
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	092512KF	Lab Sample ID:	K1209275-011A	Matrix:	Water Q
% Solids:	0	Initial Calibration ID:	1853	File ID:	R1141.D
Date Received:	26-Sep-12	Date Extracted:		Date Analyzed:	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KF	**Lab Sample ID:**	K1209275-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1141.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	416874	271303 - 1085212	
Chlorobenzene-d5	489052	315344 - 1261376	
Fluorobenzene	1219428	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R24699
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	092512KR	Lab Sample ID:	K1209275-012A	Matrix:	Water Q
% Solids:	0	Initial Calibration ID:	1853	File ID:	R1142.D
Date Received:	26-Sep-12	Date Extracted:		Date Analyzed:	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ TLT
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KR	**Lab Sample ID:**	K1209275-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1142.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KR	**Lab Sample ID:**	K1209275-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1142.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	420998	271303 - 1085212	
Chlorobenzene-d5	486944	315344 - 1261376	
Fluorobenzene	1221881	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0566.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Q
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0566.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	3.01	1		F
Methylene chloride	0.160	1.00	0.190	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.570	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0566.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	CRQL	RL	Concentration	Dilution	Conf	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	263001	121878 - 487512	
Chlorobenzene-d5	555886	242134 - 968538	
Fluorobenzene	1431647	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0567.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0567.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	3.16	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.590	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0567.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	269761	121878 - 487512	
Chlorobenzene-d5	563994	242134 - 968538	
Fluorobenzene	1451703	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0568.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MD	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.66	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0568.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	1.96	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.320	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	22.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0568.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qual
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Lim	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	I Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	252278	121878 - 487512	
Chlorobenzene-d5	532896	242134 - 968538	
Fluorobenzene	1352733	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0582.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	PQL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	20.1	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	11.2	1		
1,1,1-Trichloroethane	0.100	1.00	10.3	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	9.60	1		
1,1,2-Trichloroethane	0.160	1.00	9.92	1		
1,1-Dichloroethane	0.100	1.00	10.2	1		
1,1-Dichloroethene	0.160	1.00	10.2	1		
1,1-Dichloropropene	0.100	1.00	9.95	1		
1,2,3-Trichlorobenzene	0.100	1.00	9.43	1		
1,2,3-Trichloropropane	0.330	2.00	10.5	1		
1,2,4-Trichlorobenzene	0.100	1.00	9.68	1		
1,2,4-Trimethylbenzene	0.100	1.00	10.4	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	11.4	1		
1,2-Dibromoethane	0.160	1.00	10.0	1		
1,2-Dichlorobenzene	0.100	1.00	9.79	1		
1,2-Dichloroethane	0.160	0.500	9.87	1		
1,2-Dichloropropane	0.160	1.00	9.61	1		
1,3,5-Trimethylbenzene	0.100	1.00	9.88	1		
1,3-Dichlorobenzene	0.100	1.00	9.88	1		
1,3-Dichloropropane	0.100	0.500	9.65	1		
1,4-Dichlorobenzene	0.160	0.500	10.1	1		
1-Chlorohexane	0.160	1.00	10.2	1		
2,2-Dichloropropane	0.330	1.00	10.2	1		
2-Butanone	1.00	10.0	18.2	1		
2-Chlorotoluene	0.100	1.00	11.2	1		Q
4-Chlorotoluene	0.100	1.00	9.82	1		
4-Methyl-2-pentanone	1.00	10.0	17.2	1		
Acetone	1.00	10.0	16.9	1		
Benzene	0.100	0.500	9.82	1		
Bromobenzene	0.100	1.00	9.51	1		
Bromochloromethane	0.100	1.00	9.56	1		
Bromodichloromethane	0.100	0.500	10.9	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0562.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	12.0	1		
Bromomethane	0.330	3.00	8.52	1		Q
Carbon tetrachloride	0.100	1.00	11.2	1		Q
Chlorobenzene	0.100	0.500	9.68	1		
Chloroethane	0.330	1.00	9.15	1		
Chloroform	0.100	0.500	9.98	1		
Chloromethane	0.330	1.00	8.86	1		
cis-1,2-Dichloroethene	0.100	1.00	12.0	1		
cis-1,3-Dichloropropene	0.160	0.500	9.82	1		
Dibromochloromethane	0.100	0.500	11.1	1		
Dibromomethane	0.160	1.00	9.99	1		
Dichlorodifluoromethane	0.100	1.00	9.64	1		
Ethylbenzene	0.100	1.00	10.3	1		
Hexachlorobutadiene	0.100	1.00	9.56	1		
Isopropylbenzene	0.100	1.00	11.0	1		
Methyl tert-butyl ether	0.160	5.00	9.64	1		
Methylene chloride	0.160	1.00	8.97	1		
n-Butylbenzene	0.100	1.00	10.4	1		
n-Propylbenzene	0.100	1.00	10.4	1		
Naphthalene	0.100	1.00	9.65	1		
o-Xylene	0.100	1.00	9.78	1		
p-Isopropyltoluene	0.160	1.00	10.2	1		
sec-Butylbenzene	0.160	1.00	10.4	1		Q
Styrene	0.100	1.00	10.1	1		
tert-Butylbenzene	0.100	1.00	10.2	1		
Tetrachloroethene	0.100	1.00	10.1	1		
Toluene	0.100	1.00	9.60	1		
trans-1,2-Dichloroethene	0.100	1.00	10.2	1		
trans-1,3-Dichloropropene	0.160	1.00	9.79	1		
Trichloroethene	0.100	1.00	31.1	1		
Trichlorofluoromethane	0.100	1.00	10.2	1		
Vinyl chloride	0.330	1.00	10.7	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0562.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	29.9	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	99	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Control Limits	Qualifier
1,4-Dichlorobenzene-d4	305517	121878 - 487512	
Chlorobenzene-d5	582329	242134 - 968538	
Fluorobenzene	1404402	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0563.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	20.6	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	11.0	1		
1,1,1-Trichloroethane	0.100	1.00	10.8	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	10.2	1		
1,1,2-Trichloroethane	0.160	1.00	9.79	1		
1,1-Dichloroethane	0.100	1.00	9.90	1		
1,1-Dichloroethene	0.160	1.00	10.7	1		
1,1-Dichloropropene	0.100	1.00	10.5	1		
1,2,3-Trichlorobenzene	0.100	1.00	9.21	1		
1,2,3-Trichloropropane	0.330	2.00	11.0	1		
1,2,4-Trichlorobenzene	0.100	1.00	9.22	1		
1,2,4-Trimethylbenzene	0.100	1.00	10.4	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	12.2	1		
1,2-Dibromoethane	0.160	1.00	10.3	1		
1,2-Dichlorobenzene	0.100	1.00	9.62	1		
1,2-Dichloroethane	0.160	0.500	9.58	1		
1,2-Dichloropropane	0.160	1.00	9.11	1		
1,3,5-Trimethylbenzene	0.100	1.00	10.1	1		
1,3-Dichlorobenzene	0.100	1.00	9.78	1		
1,3-Dichloropropane	0.100	0.500	9.90	1		
1,4-Dichlorobenzene	0.160	0.500	9.80	1		
1-Chlorohexane	0.160	1.00	11.1	1		
2,2-Dichloropropane	0.330	1.00	10.5	1		
2-Butanone	1.00	10.0	17.5	1		
2-Chlorotoluene	0.100	1.00	11.3	1		Q
4-Chlorotoluene	0.100	1.00	9.74	1		
4-Methyl-2-pentanone	1.00	10.0	17.3	1		
Acetone	1.00	10.0	17.0	1		
Benzene	0.100	0.500	9.67	1		
Bromobenzene	0.100	1.00	9.39	1		
Bromochloromethane	0.100	1.00	8.98	1		
Bromodichloromethane	0.100	0.500	10.2	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0563.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	12.2	1		
Bromomethane	0.330	3.00	7.28	1		Q
Carbon tetrachloride	0.100	1.00	11.8	1		Q
Chlorobenzene	0.100	0.500	9.66	1		
Chloroethane	0.330	1.00	9.40	1		
Chloroform	0.100	0.500	9.63	1		
Chloromethane	0.330	1.00	8.86	1		
cis-1,2-Dichloroethene	0.100	1.00	11.4	1		
cis-1,3-Dichloropropene	0.160	0.500	9.36	1		
Dibromochloromethane	0.100	0.500	11.1	1		
Dibromomethane	0.160	1.00	9.78	1		
Dichlorodifluoromethane	0.100	1.00	10.4	1		
Ethylbenzene	0.100	1.00	10.7	1		
Hexachlorobutadiene	0.100	1.00	10.1	1		
Isopropylbenzene	0.100	1.00	11.7	1		
Methyl tert-butyl ether	0.160	5.00	9.50	1		
Methylene chloride	0.160	1.00	8.43	1		
n-Butylbenzene	0.100	1.00	10.9	1		
n-Propylbenzene	0.100	1.00	11.0	1		
Naphthalene	0.100	1.00	9.56	1		
o-Xylene	0.100	1.00	9.74	1		
p-Isopropyltoluene	0.160	1.00	10.7	1		
sec-Butylbenzene	0.160	1.00	11.0	1		Q
Styrene	0.100	1.00	9.81	1		
tert-Butylbenzene	0.100	1.00	10.8	1		
Tetrachloroethene	0.100	1.00	10.9	1		
Toluene	0.100	1.00	9.53	1		
trans-1,2-Dichloroethene	0.100	1.00	10.3	1		
trans-1,3-Dichloropropene	0.160	1.00	9.53	1		
Trichloroethene	0.100	1.00	32.1	1		
Trichlorofluoromethane	0.100	1.00	10.9	1		
Vinyl chloride	0.330	1.00	11.2	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0563.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	30.3	1		

Surrogate	%-ecovery	Control	Qualifier
1,2-Dichloroethane-d4	99	72 - 119	
4-Bromofluorobenzene	100	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limit	Qualifier
1,4-Dichlorobenzene-d4	279430	121878 - 487512	
Chlorobenzene-d5	537130	242134 - 968538	
Fluorobenzene	1349316	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0569.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0569.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	1.66	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		UQ U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.310	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	21.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

Cwt 11/29/12

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0569.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	256501	121878 - 487512	
Chlorobenzene-d5	535783	242134 - 968538	
Fluorobenzene	1352731	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0570.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Conf.	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.30	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0570.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	R	Concentration	Dilution	Date	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	1.66	1		F
Methylene chloride	0.160	1.00	0.200	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	15.5	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0570.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil. Fact.	Column	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	252697	121878 - 487512	
Chlorobenzene-d5	532575	242134 - 968538	
Fluorobenzene	1363471	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0571.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	762VM121D26KA	**Lab Sample ID:**	K1209284-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0571.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qual
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	4.05	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	17.9	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0571.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Spectrum	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	251915	121878 - 487512	
Chlorobenzene-d5	543581	242134 - 968538	
Fluorobenzene	1396232	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501KA	**Lab Sample ID:**	K1209284-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0572.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.86	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501KA	**Lab Sample ID:**	K1209284-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0572.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	F	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.240	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.130	1		F
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501KA	**Lab Sample ID:**	K1209284-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0572.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	105	81 - 120	

Int. Std	Area Counts	Area Count Lim	Qualifier
1,4-Dichlorobenzene-d4	243750	121878 - 487512	
Chlorobenzene-d5	516693	242134 - 968538	
Fluorobenzene	1315723	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801KA	**Lab Sample ID:**	K1209284-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0573.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.77	1		F
Benzene	0.100	0.500	0.210	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801KA	**Lab Sample ID:**	K1209284-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0573.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.260	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.230	1		F
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801KA	**Lab Sample ID:**	K1209284-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0573.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	243207	121878 - 487512	
Chlorobenzene-d5	526515	242134 - 968538	
Fluorobenzene	1356327	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901KA	**Lab Sample ID:**	K1209284-009C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0574.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.88	1		F
Benzene	0.100	0.500	0.200	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901KA	**Lab Sample ID:**	K1209284-009C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0574.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.250	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.250	1		F
Methylene chloride	0.160	1.00	0.190	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901KA	**Lab Sample ID:**	K1209284-009C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0574.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	245239	121878 - 487512	
Chlorobenzene-d5	534190	242134 - 968538	
Fluorobenzene	1365915	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KF	**Lab Sample ID:**	K1209284-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0575.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MQL		Concentration	Dilution	Control	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.47	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KF	**Lab Sample ID:**	K1209284-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0575.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	CAS Number	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.550	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KF	**Lab Sample ID:**	K1209284-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0575.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Q
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limit	Qualifier
1,4-Dichlorobenzene-d4	241772	121878 - 487512	
Chlorobenzene-d5	541713	242134 - 968538	
Fluorobenzene	1385412	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KR	**Lab Sample ID:**	K1209284-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0576.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.01	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KR	**Lab Sample ID:**	K1209284-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0576.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	DL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.560	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KR	**Lab Sample ID:**	K1209284-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0576.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Conf	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	236177	121878 - 487512	
Chlorobenzene-d5	509569	242134 - 968538	
Fluorobenzene	1302819	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	**AAB #:**	
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Date of Initial Calibration:**	10-Sep-2012
Initial Calibration ID:	1853	**Concentration Units (ug/L or mg/kg):**	ug/L

SEE ATTACHED

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24670

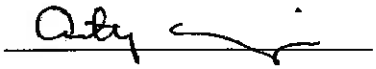
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM10118KA	K1209284-001B
782VM10118KC	K1209284-002B
782VM105B36KB	K1209284-003B
782VM105B36KB	K1209284-003BDUP
782VM105B36KB	K1209284-003BMS
782VM105B36KB	K1209284-003BMSD
782VM105B36KC	K1209284-004B
782VM12116KA	K1209284-005B
782VM121D26KA	K1209284-006B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA	K1209275-001B
782VM7638KA	K1209275-002B
782VM7840KA	K1209275-003B
782VM8146KA	K1209275-004B
782VM8440KA	K1209275-005B
782VM84D50KA	K1209275-006B
782VM9637KA	K1209275-007B
782VM10025KA	K1209275-008B
782M1027KA	K1209275-009B
092512KE	K1209275-010B

Comments:

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

Signature: Anthony C

Name: Anthony Crescenzi

Date: 11-2-12

Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SW9056	**AAB #:**	R24671
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA DL	K1209275-001BDL
782VM9637KA DL	K1209275-007BDL
782VM10025KA DL	K1209275-008BDL
782VM10118KA DL	K1209284-001BDL
782VM10118KC DL	K1209284-002BDL
782VM12116KA DL	K1209284-005BDL

Comments:

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

Signature: Anthony C

Name: Anthony Crescenzi

Date: 11-2-12

Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24669	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	~~0.50~~ 2.5	~~1.0~~ 5.0	~~59~~ 58	~~1~~ 5	~~J~~ +
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

+Result transferred from dilution sample AP2M0327KA DL(1:5)

CAA
9/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24671		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	AP2M0327KA DL	**Lab Sample ID:**	K1209275-001BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	2.5	5.0	58	5	*

*Result transferred to original sample AP2M0327KA (1:1)

CMH
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24669	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	35	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	1.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24669	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	10	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	5.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	16	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	6.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	PL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	23	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	27	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	1.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier	
Chloride	~~0.50~~ 2.5	~~1.0~~ 5.0	~~56~~ 54	~~1~~ 5	J	*
Nitrate (as N)	0.10	1.0	0.10	1	U	
Sulfate (as SO4)	0.50	1.0	0.50	1	U	

*Result transferred from dilution sample 782VM9637KA DL(1:5)

Cat
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24671		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637KA DL	**Lab Sample ID:**	K1209275-007BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	2.5	5.0	54	5	

* Result transferred to original sample 782VM9637KA (1:1)

CAT
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24669	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.9	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	~~0.50~~ 2.5	~~1.0~~ 5.0	~~100~~ 140	~~1~~ 5	~~J~~ *

* Result transferred from dilution sample 782VM10025KA DL(1:5)

CMS
4/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24671	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025KA DL	**Lab Sample ID:**	K1209275-008BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	140	5	*

*Result transferred to original sample 782VM10025KA (1:1)

cbt
1/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24669	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	12	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.62	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24669	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	0.50	1	U
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24670	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	26	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	~~0.50~~ 2.5	~~1.0~~ 5.0	~~91~~ 98	~~1~~ 5	J *

* Result transferred from dilution sample 782VM10118KA DL (1:5)

CAS
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24671		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KA DL	**Lab Sample ID:**	K1209284-001BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	PL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	98	5	

* Result transferred to original sample 782VM10118KA (1:1)

CAA
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24670	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	26	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	~~0.50~~ 2.5	~~1.0~~ 5.0	~~92~~ 100	~~1~~ 5	~~J~~ *

* Result transferred from dilution sample 782VM10118KC DL(1:5)

AMA
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24671	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KC DL	**Lab Sample ID:**	K1209284-002BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	100	5	

* Result transferred to original sample 782VM10118KC (1:1)

cdt
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24670		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105836KB	**Lab Sample ID:**	K1209284-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.8	1	
Nitrate (as N)	0.10	1.0	0.15	1	F
Sulfate (as SO4)	0.50	1.0	6.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24670		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003BMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.500	1.00	13.8	1	
Nitrate (as N)	0.100	1.00	1.03	1	
Sulfate (as SO4)	0.500	1.00	16.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24670		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.8	1	
Nitrate (as N)	0.10	1.0	0.14	1	F
Sulfate (as SO4)	0.50	1.0	6.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24670		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003BMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.500	1.00	13.9	1	
Nitrate (as N)	0.100	1.00	1.05	1	
Sulfate (as SO4)	0.500	1.00	16.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24670	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	39	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50 25	1.0 50	~~83~~ 82	1 5	~~J~~ *

* Result transferred from dilution sample 782VM12116KA DL(1:5)

CAA
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24671		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116KA DL	**Lab Sample ID:**	K1209284-005BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	82	5	

* Result transferred to original sample 782VM12116KA (1:1)

clst
4/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24670	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	44	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	37	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1851

AAB #: R24669
Contract #:
Date of Initial Calibration: 16-Aug-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Chloride	1	2	5	10	20	50	0.5	0	0	0	0.999623	
Nitrate (as N)	0.1	0.2	0.5	1	2	5	0.05	0	0	0	0.999873	
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24673

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA	K1209275-001D
782VM7638KA	K1209275-002D
782VM7840KA	K1209275-003D
782VM8146KA	K1209275-004D
782VM8440KA	K1209275-005D
782VM84D50KA	K1209275-006D
782VM9637KA	K1209275-007D
782VM10025KA	K1209275-008D
782M1027KA	K1209275-009D
092512KE	K1209275-010D
782VM10118KA	K1209284-001D
782VM10118KC	K1209284-002D
782VM105B36KB	K1209284-003D
782VM105B36KB	K1209284-003DMS
782VM105B36KB	K1209284-003DMSD
782VM105B36KC	K1209284-004D
782VM12116KA	K1209284-005D
782VM121D26KA	K1209284-006D

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	5.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.72	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 **B**		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	4.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010D	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.3	1	J

CAA
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.9	1	J

CAA
11/29/12

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1852

AAB #: R24673
Contract #:
Date of Initial Calibration: 09-Oct-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999564	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 2320 B **AAB #:** R24581

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA	K1209275-001A
782VM7638KA	K1209275-002A
782VM7840KA	K1209275-003A
782VM8146KA	K1209275-004A
782VM8440KA	K1209275-005A
782VM84D50KA	K1209275-006A
782VM9637KA	K1209275-007A
782VM10025KA	K1209275-008A
782M1027KA	K1209275-009A
092512KE	K1209275-010A

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

Alkalinity Data

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	370	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	320	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	230	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	220	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B --		**AAB #:**	R24581	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	280	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	250	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SM 2320 B	**AAB #:**	R24594
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
782VM10118KA	K1209284-001A
782VM10118KC	K1209284-002A
782VM105B36KB	K1209284-003A
782VM105B36KB	K1209284-003ADUP
782VM105B36KC	K1209284-004A
782VM12116KA	K1209284-005A
782VM121D26KA	K1209284-006A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24594		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	320	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24594		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24594	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	250	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24594	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	250	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24594		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	320	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24594		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 2320 B AAB #: R24594

Lab Name: Life Science Laboratories, Inc. Contract Number:

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: Initial Calibration ID: 0

Method Blank ID: MB-R24594 Initial Calibration ID: 0

Analyte	Calibration Blank	Method Blank	RL	Q
Alkalinity, as CaCO3		10	10	

Comments:

FPM-GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Building 817
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Job # K1209296/1209306/1210053

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	13
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	September 26-27, October 1, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LAWM0912KA	9/26/12		
WSAM0809KA	9/26/12		
WSAM0909KA	9/27/12		
WSAM1615KA	9/26/12	WSAM1615KC	9/26/12
WSAM1722KA	9/26/12		
WSAM1814KA	9/26/12		
WSAM1814KA (sulfate only)	9/27/12		
WSAM1918KA	9/27/12		
WSAM2124KA	9/27/12		
WSAM2324KA	9/27/12		
817M0111KA	10/1/12		
817M0210KA	10/1/12		
817M0310KA	10/1/12		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
KA – Primary environmental samples
KC – Field duplicate sample

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Dissolved Gases by Method RSK 175, Sulfate by Method SW9056, and Dissolved Organic Carbon by Method SM 5310 B.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)

- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

None. All samples documented on the chain of custody were labeled correctly.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV-24734				
Bromomethane	***30.7***	±20	None	%D greater than upper control limit, all results non-detect
2-Chlorotoluene	***22.7***	±20	None	%D greater than upper control limit, all results non-detect
Carbon Tetrachloride	***23.5***	±20	None	%D greater than upper control limit, all results non-detect
sec-Butylbenzene	***21.1***	±20	None	%D greater than upper control limit, all results non-detect
CCV-24736				
2-Chlorotoluene	***20.9***	±20	None	%D greater than upper control limit, all results non-detect

Corrective Action: In accordance with the case narrative, no corrective action was required for the compounds listed in the above table when the %Rec was above the upper control limit and all associated sample results were non-detect.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	RL (µg/L)	RPD	Flag Applied	Rationale
WSAM1615KA	WSAM1615KC	Tetrachloro-ethene	40.3	39.4	1.00	2.3	None	RPD < 20%
WSAM1615KA	WSAM1615KC	Trichloroethene	29.4	28.8	1.00	2.1	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analyte in duplicate sample set WSAM1615KA/KC.

DISSOLVED GASES

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # K1209296/1209306/1210053: LCS-16014				
LCS: Ethene	***60***	65-115	UJ	%Rec < lower control limit; associated results non-detect
LCSD: Ethene	***56***	65-115	UJ	%Rec < lower control limit; associated results non-detect

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each AFCEE analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are rejected (flagged "R").
Corrective Action: According to the case narrative, the laboratory did not perform corrective action since the exceedances were marginal. Using professional judgment, since the %Rec was less than the lower control limit, "UJ" flags were applied to the associated (non-detect) ethene results.

- The following table summarizes QC exceedances of the matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and/or RPDs for parent samples WSAM1615KA/KC. The spike analytes, MS recoveries, MSD recoveries, spike recovery QC limits, and RPDs and their QC limit between the MS and MSD are listed.

Parent Samples: WSAM1615KA/KC

Spike Compounds	MS %Rec	MSD %Rec	AFCEE QC Limits	RPD % (AFCEE limit 20%)	Flag Applied	Rationale
Ethene	***56***	***56***	65-115	1	UJ	%Rec less than LCL; associated results ND
Methane	***54***	***53***	60-120	5	UM	%Rec less than LCL; associated results ND

UCL = upper control limit

Data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices. Generally, these data alone cannot be used to evaluate the precision and accuracy of individual samples. A matrix spike and matrix spike duplicate analysis is an aliquot of sample spiked with known concentrations of all the analytes in the method. According to the AFCEE QAPP, the MS/MSD result is used to assess whether the sample matrix may bias the results. The AFCEE recommended frequency of analysis is one MS/MSD per 20 samples. Exceedances of either percent recovery (%Rec) control limits of spike concentrations or relative percent difference (RPD) control limits between the MS and MSD results, according to the QAPP require a "M" (matrix effect) qualifier for the specific analyte in all samples collected from the same site matrix as the parent. However, due to the varied nature of environmental samples, such as locations, depths, physical characteristics (dissolved and suspended solids, turbidity, pH, organic content, etc.), it is difficult to assign one set of MS/MSD sample analysis as truly representative of an entire site matrix. Therefore, based on the definition of this type of QA/QC sample, using professional judgment it is deemed inappropriate to qualify more than the actual parent sample due to a percent recovery or RPD exceedance. This approach is in accordance with the EPA National Functional guidelines, which states that the MS/MSD results are not used alone to qualify the entire data package, however, can be used in conjunction with other QC criteria to determine the need for some qualification of the data. Using professional judgment, no corrective action and/or flagging is deemed required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: For ethene, no "M" flags were applied to the associated results in the parent samples, since similar exceedances were observed in the LCS samples. "UM" flags were applied to the associated methane results in parent samples WSAM1615KA/KC only, since the %Rec was less than the lower control limit and associated results were non-detect, and a potential matrix effect is indicated. The results are deemed usable, albeit estimated.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

  For the parent/duplicate set WSAM1615KA/KC, no analytes were reported above the RL.

WET CHEMISTRY ANALYSES

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	MDL (mg/L)	RPD	Flag Applied	Rationale
WSAM1615KA	WSAM1615KC	Sulfate	7.9	8.1	1.0	2.5	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analyte in duplicate sample set WSAM1615KA/KC.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Dissolved Gases

Based on the evaluation of all information in the analytical data groups, the results for dissolved gases are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Wet Chemistry

Based on the evaluation of all information in the analytical data groups, the wet chemistry results are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # K1209296/1209306/1210053 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 11/29/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R24734

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
LAWM0912KA	K1209296-001B
WSAM0809KA	K1209296-002B
WSAM1615KC	K1209296-004B
WSAM1722KA	K1209296-005B
WSAM1814KA	K1209296-006A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24736

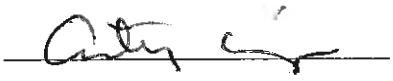
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM1615KA	K1209296-003B
WSAM1615KA	K1209296-003BMS
WSAM1615KA	K1209296-003BMSD
WSAM0909KA	K1209306-001B
WSAM1918KA	K1209306-002B
WSAM2124KA	K1209306-003B
WSAM2324KA	K1209306-004B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-3-12 Title: Project Manager

Client: FPM
Project/Order: Griffiss AFB – Building 817
Work Order #: K1209296 and K1209306
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): 11/2/12

Supervisor/Reviewed by (Initials/Date): 11/2/12

QA/QC Review (Initials/Date): 11-6-12

File Name: U:\Narratives\MSVoa\K1209296msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD/MSB
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24734	MSK	2-Chlorotoluene	22.7		1
		Bromomethane	30.7		1
		Carbon tetrachloride	23.5		1
		sec-Butylbenzene	21.1		1
CCV-24736	MS4	2-Chlorotoluene	20.9		1

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1209296 and K1209306
Methodology:	8260B

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

GC Semi-Volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order. #:	K1209296, K1209306
Methodology:	RSK-175

Analyzed/Reviewed by (Initials/Date): CPT 11/6/12

Supervisor/Reviewed by (Initials/Date): CPT 11/6/12

QA/QC Review (Initials/Date): ACL 11-6-12

File Name: U:\Narratives\GCSemi\K1209296,K1209306DG.doc

Dissolved Gases

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-16014	Ethene	1

1. The LCS and LCSD marginally exceeded the lower control limit. Samples were qualified with a "Q" flag.

MS/MSD
The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
WSAM1615KA	K1209296-003AMS/MSD	Methane	X		1
		Ethene	X		1

The MS and MSD exceeded the lower control limit. The associated sample was flagged.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1209296, K1209306, K1210053
Methodology:	Dissolved Organic Carbon – SM 5310 B Sulfate – SW 9056

Analyzed/Reviewed by (Date/Initials): MT 10-24-12

Supervisor/Reviewed by (Date/Initials): MT 10-24-12

QA/QC Review (Date/Initials): HC for LK 11-7-12

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

MS/MSD AND MS/MSD RPD
All spike recovery and RPD data met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

K1209296

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: K Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LAWM0912KA	LAWMW-9	9/26	1511	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
002	WSAM0809KA	WSAMW-8	9/26	1101	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
003	WSAM1615KA	WSA-MW16	9/26	1145	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
004	WSAM1615KC	WSA-MW16	9/26	1145	WG	BP	FD	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
003	WSAM1615KS	WSA-MW16	9/26	1145	WG	BP	MS	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
003	WSAM1615KD	WSA-MW16	9/26	1145	WG	BP	SD	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
005	WSAM1722KA	WL-WSAVMW-17	9/26	1615	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
006	WSAM1814KA	WL-WSAMW-18	9/26	1419	WG	BP	N	0/0	6	3	X	1	2	DOC, unpreserved, unfiltered 40mL VOA

Sample Condition Upon Receipt at Laboratory: Cooler temperature: <6.0°C

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

5/

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9/27/12	#3 Released by: (Sig)	Date: 9-27-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0930	Company Name:	Time: 12:00
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/29/2012	#2 Received by: (Sig)	Date: 9/27/12	#3 Received by: (Sig)	Date: 9-27-12
Company Name: FPM Group Ltd	Time: 1000	Company Name:	Time: 1430	Company Name:	Time: 12:00

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

K1209306

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	WSAM0909KA	WSAMW-9	9/27	1329	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
002	WSAM1918KA	WL-WSAMW-19	9/27	1101	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
003	WSAM2124KA	WL-WSAMW-21	9/27	1425	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
004	WSAM2324KA	WL-WSAMW-23	9/27	1517	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
005	WSAM1814KA	WL-WSAMW-18	9/27	1239	WG	BP	N	0/0	1	-	1	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 4.0 °C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) kmattice	Date: 9/28/12	#3 Released by: (Sig) Bill Donaldson	Date: 9-28-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 1015	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/29/2012	#2 Received by: (Sig) Bill Donaldson	Date: 9-28-12	#3 Received by: (Sig)	Date: 9-28-12
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 10:15	Company Name: LSL	Time: 15:00

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K1209306

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

K1210053

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
817M01 11 KA	B817-MW-001	10/1	1610	WG	BP	N	0/0	1	-	-	1	-	Samples are unfiltered and unpreserved
817M02 10 KA	B817-MW-002	10/1	1620	WG	BP	N	0/0	1	-	-	1	-	
817M03 10 KA	B817-MW-003	10/1	1545	WG	BP	N	0/0	1	-	-	1	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 3.0 °C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/3/12	#3 Released by: (Sig) Bill Donelson	Date: 10-3-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0940	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 9/14	#2 Received by: (Sig) Bill Donelson	Date: 10-3-12	#3 Received by: (Sig)	Date: 10-3-12
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 945	Company Name: LSL	Time: 16:45

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0577.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0577.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.170	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.300	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	4.96	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0577.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	236170	121878 - 487512	
Chlorobenzene-d5	522620	242134 - 968538	
Fluorobenzene	1331984	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0578.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RT	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0576.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.110	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	3.31	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0578.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	232796	121878 - 487512	
Chlorobenzene-d5	510094	242134 - 968538	
Fluorobenzene	1306420	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0592.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.250	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0592.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.610	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.170	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	40.3	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	29.4	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0592.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Point Limits	Qualifier
1,4-Dichlorobenzene-d4	246487	121878 - 487512	
Chlorobenzene-d5	525237	242134 - 968538	
Fluorobenzene	1341923	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0579.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.240	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R24734
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	WSAM1615KC	Lab Sample ID:	K1209296-004B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1854	File ID:	K0579.D
Date Received:	27-Sep-12	Date Extracted:		Date Analyzed:	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.610	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	39.4	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	28.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0579.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	227956	121878 - 487512	
Chlorobenzene-d5	492127	242134 - 968538	
Fluorobenzene	1255745	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R24734
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	WSAM1722KA	Lab Sample ID:	K1209296-005B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1854	File ID:	K0580.D
Date Received:	27-Sep-12	Date Extracted:		Date Analyzed:	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0580.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	DL	RL	Concentration	Dilut #	Comm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.180	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.170	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	13.4	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	17.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0580.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	234457	121878 - 487512	
Chlorobenzene-d5	510047	242134 - 968538	
Fluorobenzene	1291783	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0581.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.150	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0581.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.110	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.690	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.170	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	39.7	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	30.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0581.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	233151	121878 - 487512	
Chlorobenzene-d5	534276	242134 - 968538	
Fluorobenzene	1341147	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0599.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.600	6.00	0.600	3		U
1,1,1,2-Tetrachloroethane	0.480	1.50	0.480	3		U
1,1,1-Trichloroethane	0.300	3.00	0.300	3		U
1,1,2,2-Tetrachloroethane	0.300	1.50	0.300	3		U
1,1,2-Trichloroethane	0.480	3.00	0.480	3		U
1,1-Dichloroethane	0.300	3.00	0.300	3		U
1,1-Dichloroethene	0.480	3.00	0.480	3		U
1,1-Dichloropropene	0.300	3.00	0.300	3		U
1,2,3-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,3-Trichloropropane	0.990	6.00	0.990	3		U
1,2,4-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,4-Trimethylbenzene	0.300	3.00	0.300	3		U
1,2-Dibromo-3-chloropropane	3.00	15.0	3.00	3		U
1,2-Dibromoethane	0.480	3.00	0.480	3		U
1,2-Dichlorobenzene	0.300	3.00	0.300	3		U
1,2-Dichloroethane	0.480	1.50	0.480	3		U
1,2-Dichloropropane	0.480	3.00	0.480	3		U
1,3,5-Trimethylbenzene	0.300	3.00	0.300	3		U
1,3-Dichlorobenzene	0.300	3.00	0.300	3		U
1,3-Dichloropropane	0.300	1.50	0.300	3		U
1,4-Dichlorobenzene	0.480	1.50	0.480	3		U
1-Chlorohexane	0.480	3.00	0.480	3		U
2,2-Dichloropropane	0.990	3.00	0.990	3		U
2-Butanone	3.00	30.0	3.00	3		U
2-Chlorotoluene	0.300	3.00	0.300	3		U
4-Chlorotoluene	0.300	3.00	0.300	3		U
4-Methyl-2-pentanone	3.00	30.0	3.00	3		U
Acetone	3.00	30.0	4.02	3		F
Benzene	0.300	1.50	0.300	3		U
Bromobenzene	0.300	3.00	0.300	3		U
Bromochloromethane	0.300	3.00	0.300	3		U
Bromodichloromethane	0.300	1.50	0.300	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0599.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.990	3.00	0.990	3		U
Bromomethane	0.990	9.00	0.990	3		U
Carbon tetrachloride	0.300	3.00	0.300	3		U
Chlorobenzene	0.300	1.50	0.300	3		U
Chloroethane	0.990	3.00	0.990	3		U
Chloroform	0.300	1.50	0.300	3		U
Chloromethane	0.990	3.00	0.990	3		U
cis-1,2-Dichloroethene	0.300	3.00	0.300	3		U
cis-1,3-Dichloropropene	0.480	1.50	0.480	3		U
Dibromochloromethane	0.300	1.50	0.300	3		U
Dibromomethane	0.480	3.00	0.480	3		U
Dichlorodifluoromethane	0.300	3.00	0.300	3		U
Ethylbenzene	0.300	3.00	0.300	3		U
Hexachlorobutadiene	0.300	3.00	0.300	3		U
Isopropylbenzene	0.300	3.00	0.300	3		U
Methyl tert-butyl ether	0.480	15.0	0.480	3		U
Methylene chloride	0.480	3.00	0.600	3		F
n-Butylbenzene	0.300	3.00	0.300	3		U
n-Propylbenzene	0.300	3.00	0.300	3		U
Naphthalene	0.300	3.00	0.300	3		U
o-Xylene	0.300	3.00	0.300	3		U
p-Isopropyltoluene	0.480	3.00	0.480	3		U
sec-Butylbenzene	0.480	3.00	0.480	3		U
Styrene	0.300	3.00	0.300	3		U
tert-Butylbenzene	0.300	3.00	0.300	3		U
Tetrachloroethene	0.300	3.00	0.300	3		U
Toluene	0.300	3.00	0.300	3		U
trans-1,2-Dichloroethene	0.300	3.00	0.300	3		U
trans-1,3-Dichloropropene	0.480	3.00	0.480	3		U
Trichloroethene	0.300	3.00	0.300	3		U
Trichlorofluoromethane	0.300	3.00	0.300	3		U
Vinyl chloride	0.990	3.00	0.990	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0599.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.900	6.00	0.900	3		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	235237	121878 - 487512	
Chlorobenzene-d5	513711	242134 - 968538	
Fluorobenzene	1290746	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0600.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifiers
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.230	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.13	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0600.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.190	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	42.5	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	52.4	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0600.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Lim	Qualifier
1,4-Dichlorobenzene-d4	225391	121878 - 487512	
Chlorobenzene-d5	483484	242134 - 968538	
Fluorobenzene	1206936	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0601.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil. Fac	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.06	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0601.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.710	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	10.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0601.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qual
1,4-Dichlorobenzene-d4	228918	121878 - 487512	
Chlorobenzene-d5	501059	242134 - 968538	
Fluorobenzene	1253794	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0602.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.79	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0602.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.190	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0602.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recov	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	223932	121878 - 487512	
Chlorobenzene-d5	485058	242134 - 968538	
Fluorobenzene	1207130	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	AAB #:	
Lab Name:	Life Science Laboratories, Inc.	Contract #:	
Instrument ID:	MSK_75	Date of Initial Calibration:	17-Jul-2012
Initial Calibration ID:	1853	Concentration Units (ug/L or mg/kg):	ug/L

SEE ATTACHED

Comments:

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ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175

AAB #: 16014

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
LAWM0912KA	K1209296-001B
WSAM0809KA	K1209296-002B
WSAM1615KA	K1209296-003B
WSAM1615KA	K1209296-003BMS
WSAM1615KA	K1209296-003BMSD
WSAM1615KC	K1209296-004B
WSAM1722KA	K1209296-005B
WSAM1814KA	K1209296-006A
WSAM0909KA	K1209306-001B
WSAM1918KA	K1209306-002B
WSAM2124KA	K1209306-003B
WSAM2324KA	K1209306-004B

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-6-12 Title: Project Manager

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16014
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	LAWM0912KA	Lab Sample ID:	K1209296-001B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1846	File ID:	\\Computer 1\tcdata\Osioct12\E100805.rst
Date Received:	27-Sep-12	Date Extracted:	08-Oct-12	Date Analyzed:	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	32.18 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		~~Q~~ UJ
Methane	1.4	5.0	9.0	1		

CWA
11/29/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100806.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.79 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		~~Q~~ JF UJ
Methane	1.4	5.0	1.4	1		U

CAA
11/29/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100807.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	32.13 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		QM J+/UJ
Methane	1.4	5.0	1.4	1		UM

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11/29/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100810.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	32.48 mL

Analyte	MDL	RL	Concentration	Dilution	Conf.	Qualifier
Ethane	2.8	5.9	2.8	1		U
Ethene	2.1	4.9	2.1	1		U UJ
Methane	1.4	4.9	1.4	1		U M

UA
11/29/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100811.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.31 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.9	6.1	2.9	1		U
Ethene	2.1	5.1	2.1	1		~~Q~~ U
Methane	1.4	5.1	1.4	1		U

AA
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Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100813.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.41 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.9	6.1	2.9	1		U
Ethene	2.1	5.1	2.1	1		~~Q~~ UJ
Methane	1.4	5.1	1.4	1		U

CLA
11/29/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100814.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	32.38 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	5.9	2.8	1		U
Ethene	2.1	4.9	2.1	1		U
Methane	1.4	4.9	1.4	1		U

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11/29/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100815.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	32.15 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		U
Methane	1.4	5.0	1.4	1		U

CLT
11/29/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16014
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	WSAM2124KA	Lab Sample ID:	K1209306-003B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1846	File ID:	\\Computer 1\tcdata\Osioct12\E100816.rst
Date Received:	28-Sep-12	Date Extracted:	08-Oct-12	Date Analyzed:	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	31.45 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	5.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		U
Methane	1.4	5.1	7.0	1		

CAA
11/29/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16014
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	WSAM2324KA	Lab Sample ID:	K1209306-004B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1846	File ID:	E:\Osioct12\E100818.rst
Date Received:	28-Sep-12	Date Extracted:	08-Oct-12	Date Analyzed:	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	31.84 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	28	60	28	10		U
Ethene	21	50	21	10		U UJ
Methane	14	50	430	10		

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11/29/12

Comments:

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ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Date of Initial Calibration:**	29-Mar-12
Initial Calibration ID:	1846	**Concentration Units:**	ug/L

SEE ATTACHED INITIAL CALIBRATION

Comments:

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WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LAWM0912KA	K1209296-001C
WSAM0809KA	K1209296-002C
WSAM1615KA	K1209296-003C
WSAM1615KA	K1209296-003CMS
WSAM1615KA	K1209296-003CMSD
WSAM1615KC	K1209296-004C
WSAM1722KA	K1209296-005C
WSAM1814KA	K1209296-006B
WSAM0909KA	K1209306-001C
WSAM1918KA	K1209306-002C
WSAM2124KA	K1209306-003C
WSAM2324KA	K1209306-004C

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

Dissolved Organic Carbon Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
817M0111KA	K1210053-001A
817M0111KA DL	K1210053-001ADL
817M0210KA	K1210053-002A
817M0310KA	K1210053-003A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.53	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.57	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.63	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0111KA	**Lab Sample ID:**	K1210053-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	140	1	J

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24676		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0111KA DL	**Lab Sample ID:**	K1210053-001ADL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	10	20	150	20	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0210KA	**Lab Sample ID:**	K1210053-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	20	40	160	40	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0310KA	**Lab Sample ID:**	K1210053-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.91	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1852

AAB #: R24675
Contract #:
Date of Initial Calibration: 09-Oct-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999564	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SW9056	**AAB #:**	R24680
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
WSAM1615KA	K1209296-003A
WSAM1615KA	K1209296-003AMS
WSAM1615KA	K1209296-003AMSD
WSAM1615KC	K1209296-004A
WSAM1722KA	K1209296-005A
WSAM0909KA	K1209306-001A
WSAM1918KA	K1209306-002A
WSAM2124KA	K1209306-003A
WSAM2324KA	K1209306-004A
WSAM1814KA	K1209306-005A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Labgratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LAWM0912KA	K1209296-001A
WSAM0809KA	K1209296-002A
WSAM1615KA	K1209296-003ADUP

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	8.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	4.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	7.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24680	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003AMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.500	1.00	19.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	8.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003AMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.500	1.00	18.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	5.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	17	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24680	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	8.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24680	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	22	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	11	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24680	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209306-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	9.0	1	

Comments:

FPM-GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Landfill 6
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Job # K1209307/1210012/1210052

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	24
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	September 27-28, October 1, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF6VM13R31KA	9/27/12		
LF6VM13RD35KA	9/27/12		
LF6SW01PM01KA	9/27/12	092712KE, 092712KF, 092712KR	9/27/12
LF6M2046A	9/28/12		
LF6VM2650KA	9/28/12		
LF6T3304KA	9/28/12		
LF6T3406KA	9/28/12		
LF6T3602KA	9/28/12		
LF6T3805KA	9/28/12		
LF6M3145KA	9/28/12		
LF6T3505KA	9/28/12		
LF6M3920KA	9/28/12	092812KE, 092812KF, 092812KR	9/28/12
LF6M1645KA	10/1/12	100112KE, 100112KF, 100112KR	10/1/12
LF6M1750KA	10/1/12	LF6M1750KC	10/1/12

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

KA – Primary environmental samples
KC – Field duplicate
KD – Matrix spike duplicate (MSD)
KE – Equipment blank
KF – Ambient blank
KR – Trip blank
KS – Matrix spike (MS)

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Dissolved Gases by Method RSK 175, Sulfate by Method SW9056, and Dissolved Organic Carbon by Method SM 5310 B.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)

- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

None. All samples documented on the chain of custody were labeled correctly.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the AFCEE Sheet 2's, the following samples were analyzed at initial dilutions: LF6M2046A at 1:50, LF6VM2650KA and LF6T3805KA at 1:3, LF6T3304KA, LF6T3406KA and LF6T3602KA at 1:5, LF6M1645KA at 1:25, and LF6M1750KA and LF6M1750KC at 1:10. The dilution results only are reported and are used in data verification as representing original results.

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV-24736				
2-Chlorotoluene	***20.9***	±20	None	%D greater than upper control limit, all results non-detect
CCV-24737				
2-Chlorotoluene	***20.6***	±20	None	%D greater than upper control limit, all results non-detect

Corrective Action: In accordance with the case narrative, no corrective action was required for the compounds listed in the above table when the %Rec was above the upper control limit and all associated sample results were non-detect.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the reporting limit (RL). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
MB-24737	Methylene Chloride	0.510 F	1.00	LF6VM13R31KA, LF6VM13RD35KA, LF6SW01PM01KA, 092712KE, 092712KF, 092712KR, LF6M2046A, LF6VM2650KA, LF6M3145KA, LF6T3304KA, LF6T3406KA, LF6T3505KA, LF6T3602KA, LF6T3805KA, LF6M3920KA, 092812KE, 092812KF, 092812KR, LF6M1645KA, LF6M1750KA, LF6M1750KC, 100112KE, 100112KF,

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
				100112KR
092712KE	Methylene chloride	0.600 F	1.00	LF6VM13RD35KA, LF6SW01PM01KA
092712KF	Methylene chloride	0.800 F	1.00	LF6VM13RD35KA, LF6SW01PM01KA
092712KR	Methylene chloride	0.560 F	1.00	LF6VM13RD35KA, LF6SW01PM01KA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above the RL, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with AFCEE QAPP Version 4.0, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration (10x for common laboratory contaminants). Thus the "B" flag is only applied to those samples for which the sample result is positive and less than 5x (or 10x) the blank concentration.

Corrective Action: "B" flags were applied to the methylene chloride results in the samples listed above. Using professional judgment, "B" qualifiers were applied to *all* samples in this data package with reported levels (accounting for dilution) within 10x the blank concentration. Methylene chloride is a common laboratory contaminant.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	RL (µg/L)	RPD	Flag Applied	Rationale
LF6M1750KA	LF6M1750KC	cis-1,2-DCE	229	225	10.0	1.8	None	RPD < 20%
LF6M1750KA	LF6M1750KC	trans-1,2-DCE	114	113	10.0	0.9	None	RPD < 20%
LF6M1750KA	LF6M1750KC	Trichloroethene	194	183	10.0	5.8	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analyte in duplicate sample set LF6M1750KA/KC.

DISSOLVED GASES

- According to the AFCEE Sheet 2's, the following samples were analyzed at initial dilutions: LF6M2046A and LF6M1645KA at 1:200, and LF6M1750KA and LF6M1750KC at 1:50. The dilution results only are reported and are used in data verification as representing original results.

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # K1209307/1210012/1210052: LCS/LCSD-16014				
LCS: Ethene	***60***	65-115	UJ	%Rec < lower control limit; associated results non-detect
LCSD: Ethene	***56***	65-115	UJ	%Rec < lower control limit; associated results non-detect
LSL Job # K1209307/1210012/1210052: LCS/LCSD-16022				
LCS: Ethene	***55***	65-115	UJ	%Rec < lower control limit; associated results non-detect
LCSD: Ethene	***57***	65-115	UJ	%Rec < lower control limit; associated results non-detect

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each AFCEE analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are rejected (flagged "R"). Note that the QAPP also allows for up to three marginal exceedances of LCS control limits for an LCS with 64 analytes.
Corrective Action: According to the case narrative, the laboratory did not perform corrective action since the exceedances were marginal. Using professional judgment, since the %Rec was less than the lower control limit, "UJ" flags were applied to the associated (non-detect) ethene results.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field

duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	RL (µg/L)	RPD	Flag Applied	Rationale
LF6M1750KA	LF6M1750KC	Methane	1,200	1,400	260	15.4	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analyte in duplicate sample set LF6M1750KA/KC.

WET CHEMISTRY ANALYSES

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	MDL (mg/L)	RPD	Flag Applied	Rationale
LF6M1750KA	LF6M1750KC	DOC	1.7	1.7	1.0	0.0	None	RPD < 20%
LF6M1750KA	LF6M1750KC	Sulfate	64	64	5.0	0.0	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analyte in duplicate sample set LF6M1750KA/KC.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Dissolved Gases

Based on the evaluation of all information in the analytical data groups, the results for dissolved gases are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Wet Chemistry

Based on the evaluation of all information in the analytical data groups, the wet chemistry results are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # K1209307/1210012/1210052 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 12/1/12

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31KA	K1209307-001B
LF6VM13RD35KA	K1209307-002B
LF6SW01PM01KA	K1209307-003B
092712KE	K1209307-004B
092712KF	K1209307-005A
092712KR	K1209307-006A
LF6M2046A	K1210012-001B
LF6VM2650KA	K1210012-002B
LF6T3304KA	K1210012-004B
LF6T3406KA	K1210012-005B
LF6T3602KA	K1210012-007B
LF6T3805KA	K1210012-008B

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24737

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
092712KF	K1209307-005A
LF6M3145KA	K1210012-003B
LF6T3505KA	K1210012-006B
LF6M3920KA	K1210012-009B
092812KE	K1210012-010B
092812KF	K1210012-011A
092812KR	K1210012-012A
LF6M1645KA	K1210052-001B
LF6M1750KA	K1210052-002B
LF6M1750KC	K1210052-003B
100112KE	K1210052-004B
100112KF	K1210052-005A
100112KR	K1210052-006A

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

Client: FPM
Project/Order: Griffiss AFB – LF6-Performance
Work Order #: K1209307, K1210012 and K1210052
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): 11/6/12
Supervisor/Reviewed by (Initials/Date): 11/6/12
QA/QC Review (Initials/Date): AC for LK 11/6/12

File Name: U:\Narratives\MSVoa\K1209307msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24736	MS4	2-Chlorotoluene	20.9		1
CCV-24737	MS4	2-Chlorotoluene	20.6		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
The following compound(s) were detected in the following preparation blank(s) ≥1/2 RL:

Client: FPM
Project/Order: Griffiss AFB – LF6-Performance
Work Order #: K1209307, K1210012 and K1210052
Methodology: 8260B

Preparation Blank	Compound	Concentration	Corrective Action
MB-24736	Methylene chloride	0.50 ug/l	1

1 This analyte is a common laboratory contaminant and the concentration is <3x the RL. The analyte was not detected above the RL in associated samples. The method or QAPP does not require corrective action.

GC Semivolatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – LF6 Performance
Work Order:	K1209307, K1210012, K1210052
Methodology:	RSK-175

Analyzed/Reviewed by (Initials/Date): CAT 11/6/12

Supervisor/Reviewed by (Initials/Date): CAT 11/6/12

QA/QC Review (Initials/Date): Ac for LA 11-6-12

File Name: U:\Narratives\GCSemi\K1209307,K1210012,K1210052DG.doc

Dissolved Gases

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-16014	Ethene	1
LCS-16022	Ethene	1

1. The LCS and LCSD marginally exceeded the lower control limit. Samples were qualified with a "Q" flag.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – LF6-Performance
Work Order #:	K1209307, K1210012, K1210052
Methodology:	Sulfate - Ion Chromatography - SW9056 Dissolved Organic Carbon – SM 5310 B

Analyzed/Reviewed by (Date/Initials): 10-25-12 MT

Supervisor/Reviewed by (Date/Initials): 10-25-12 MT

QA/QC Review (Date/Initials): 11-5-12 MT for LK

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

K1209307

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283/4_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6VM13R31KA	LF6VMW-13R	9/27	1220	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
002	LF6VM13RD35KA	LF6VMW-13RD	9/27	1026	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
003	LF6SW01PM01KA	LF6SW-1PM	9/27	1330	WG	G	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
004	092712KE	FIELDQC	9/27	1600	WQ	BP	EB	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
005	092712KF	FIELDQC	9/27	1025	WQ	NA	AB	0/0	3	3	-	-	-	
006	092712KR	FIELDQC	9/27	0900	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 4.0 °C on Ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

K1209307

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) Katie Mathis	Date 9/28/12	#3 Released by: (Sig) Bill Donaldson	Date: 9-28-12
Company Name:	Time:	Company Name: PPM Ltd	Time: 1015	Company Name: Life Science Labs	Time:
#1 Received by: (Sig)	Date:	#2 Received by: (Sig) Bill Donaldson	Date: 9-28-12	#3 Received by: (Sig)	Date: 9-28-12
Company Name:	Time:	Company Name: Life Science Labs	Time: 10:15	Company Name: LSL	Time: 15:00

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

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1210012

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _284_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: K. Mattice	

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6M2046KA	LF6MW-20	9/28	1124	WG	BP	N	0/0	7	3	1	1	2	
002	LF6VM2650KA	WL-LF6VMW-26	9/28	1440	WG	BP	N	0/0	7	3	1	1	2	
003	LF6M3145KA	LF6MW-31	9/28	1036	WG	BP	N	0/0	7	3	1	1	2	
004	LF6T3304KA	LF6TW-33	9/28	1312	WG	B	N	0/0	7	3	1	1	2	
005	LF6T3406KA	LF6TW-34	9/28	1118	WG	B	N	0/0	7	3	1	1	2	
006	LF6T3505KA	LF6TW-35	9/28	1340	WG	B	N	0/0	7	3	1	1	2	
007	LF6T3602KA	LF6TW-36	9/28	1450	WG	B	N	0/0	7	3	1	1	2	
008	LF6T3805KA	LF6TW-38	9/28	1424	WG	B	N	0/0	7	3	1	1	2	
009	LF6M3920KA	LF6MW-39	9/28	1348	WG	BP	N	0/0	7	3	1	1	2	
010	092812KE	FIELDQC	9/28	1530	WQ	BP	EB	0/0	7	3	1	1	2	
011	092812KF	FIELDQC	9/28	1130	WQ	NA	AB	0/0	3	3	-	-	-	
012	092812KR	FIELDQC	9/28	0900	WQ	NA	TB	0/0	2	2	-	-	-	

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K1210012

Sample Condition Upon Receipt at Laboratory:	Cooler temperature: 2.0° on Ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) 10/1/12	Date: Kimatt	#3 Released by: (Sig)	Date: 10/1/12
Company Name:	Time:	Company Name: FPM	Time: 0935	Company Name: LSL	Time: 11:35
#1 Received by: (Sig)	Date:	#2 Received by: (Sig)	Date: 10/1/12	#3 Received by: (Sig)	Date: 10-1-12
Company Name:	Time:	Company Name: LSI	Time: 0935	Company Name: LSL	Time: 12:15

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

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K1210052

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _284_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6M1645KA	LF6MW-16	10/1	1102	WG	BP	N	0/0	7	3	1	1	2	
002	LF6M1750KA	LF6MW-17	10/1	1132	WG	BP	N	0/0	7	3	1	1	2	
003	LF6M1750KC	LF6MW-17	10/1	1132	WG	BP	FD	0/0	7	3	1	1	2	
004	100112KE	FIELDQC	10/1	1645	WQ	BP	EB	0/0	7	3	1	1	2	
005	100112KF	FIELDQC	10/1	1140	WQ	NA	AB	0/0	~~2~~	~~2~~	-	-	-	
006	100112KR	FIELDQC	10/1	930	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 3.0 ° on Ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date 10/3/12	#3 Released by: (Sig) Bill Donaldson	Date: 10-3-12
Company Name: .	Time:	Company Name:	Time: 0940	Company Name: Life Science Labs	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donaldson Life Science Labs	Date: 10-3-12 9:45	#3 Received by: (Sig) LSL	Date: 10-3-12 16:45

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0603.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0603.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qual
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.200	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

CWA
12/2/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0603.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	222603	121878 - 487512	
Chlorobenzene-d5	480178	242134 - 968538	
Fluorobenzene	1211290	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0604.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0604.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F B
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

CLDT 12/1/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0604.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Conf	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	222002	121878 - 487512	
Chlorobenzene-d5	483388	242134 - 968538	
Fluorobenzene	1197750	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0605.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0605.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F B
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

CMA 12/1/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0605.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	216884	121878 - 487512	
Chlorobenzene-d5	485859	242134 - 968538	
Fluorobenzene	1206827	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0606.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.51	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0606.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.600	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0606.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limit	Qualifier
1,4-Dichlorobenzene-d4	223788	121878 - 487512	
Chlorobenzene-d5	504166	242134 - 968538	
Fluorobenzene	1255354	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0608.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.18	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0608.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.800	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

B/BB

Comments:

CCH 12/1/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0608.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Units	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	220487	121878 - 487512	
Chlorobenzene-d5	499631	242134 - 968538	
Fluorobenzene	1246921	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0619.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.05	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0619.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.760	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0619.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	DilFac	Column	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	252173	121878 - 487512	
Chlorobenzene-d5	563913	242134 - 968538	
Fluorobenzene	1421070	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KR	**Lab Sample ID:**	K1209307-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0607.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	3.48	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KR	**Lab Sample ID:**	K1209307-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0607.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilut	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.560	1		F ØB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

crvt 12/1/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KR	**Lab Sample ID:**	K1209307-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0607.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	% Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limit	Qualifier
1,4-Dichlorobenzene-d4	221468	121878 - 487512	
Chlorobenzene-d5	492622	242134 - 968538	
Fluorobenzene	1226192	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046A	**Lab Sample ID:**	K1210012-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0593.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Qualifier
(m+p)-Xylene	10.0	100	10.0	50		U
1,1,1,2-Tetrachloroethane	8.00	25.0	8.00	50		U
1,1,1-Trichloroethane	5.00	50.0	5.00	50		U
1,1,2,2-Tetrachloroethane	5.00	25.0	5.00	50		U
1,1,2-Trichloroethane	8.00	50.0	8.00	50		U
1,1-Dichloroethane	5.00	50.0	5.00	50		U
1,1-Dichloroethene	8.00	50.0	8.00	50		U
1,1-Dichloropropene	5.00	50.0	5.00	50		U
1,2,3-Trichlorobenzene	5.00	50.0	5.00	50		U
1,2,3-Trichloropropane	16.5	100	16.5	50		U
1,2,4-Trichlorobenzene	5.00	50.0	5.00	50		U
1,2,4-Trimethylbenzene	5.00	50.0	5.00	50		U
1,2-Dibromo-3-chloropropane	50.0	250	50.0	50		U
1,2-Dibromoethane	8.00	50.0	8.00	50		U
1,2-Dichlorobenzene	5.00	50.0	5.00	50		U
1,2-Dichloroethane	8.00	25.0	8.00	50		U
1,2-Dichloropropane	8.00	50.0	8.00	50		U
1,3,5-Trimethylbenzene	5.00	50.0	5.00	50		U
1,3-Dichlorobenzene	5.00	50.0	5.00	50		U
1,3-Dichloropropane	5.00	25.0	5.00	50		U
1,4-Dichlorobenzene	8.00	25.0	8.00	50		U
1-Chlorohexane	8.00	50.0	8.00	50		U
2,2-Dichloropropane	16.5	50.0	16.5	50		U
2-Butanone	50.0	500	50.0	50		U
2-Chlorotoluene	5.00	50.0	5.00	50		U
4-Chlorotoluene	5.00	50.0	5.00	50		U
4-Methyl-2-pentanone	50.0	500	50.0	50		U
Acetone	50.0	500	50.0	50		U
Benzene	5.00	25.0	5.00	50		U
Bromobenzene	5.00	50.0	5.00	50		U
Bromochloromethane	5.00	50.0	5.00	50		U
Bromodichloromethane	5.00	25.0	5.00	50		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046A	**Lab Sample ID:**	K1210012-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0593.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	D	Confirm	Qualifier
Bromoform	16.5	50.0	16.5	50		U
Bromomethane	16.5	150	16.5	50		U
Carbon tetrachloride	5.00	50.0	5.00	50		U
Chlorobenzene	5.00	25.0	5.00	50		U
Chloroethane	16.5	50.0	16.5	50		U
Chloroform	5.00	25.0	5.00	50		U
Chloromethane	16.5	50.0	16.5	50		U
cis-1,2-Dichloroethene	5.00	50.0	699	50		
cis-1,3-Dichloropropene	8.00	25.0	8.00	50		U
Dibromochloromethane	5.00	25.0	5.00	50		U
Dibromomethane	8.00	50.0	8.00	50		U
Dichlorodifluoromethane	5.00	50.0	5.00	50		U
Ethylbenzene	5.00	50.0	5.00	50		U
Hexachlorobutadiene	5.00	50.0	5.00	50		U
Isopropylbenzene	5.00	50.0	5.00	50		U
Methyl tert-butyl ether	8.00	250	8.00	50		U
Methylene chloride	8.00	50.0	30.5	50		F B
n-Butylbenzene	5.00	50.0	5.00	50		U
n-Propylbenzene	5.00	50.0	5.00	50		U
Naphthalene	5.00	50.0	5.00	50		U
o-Xylene	5.00	50.0	5.00	50		U
p-Isopropyltoluene	8.00	50.0	8.00	50		U
sec-Butylbenzene	8.00	50.0	8.00	50		U
Styrene	5.00	50.0	5.00	50		U
tert-Butylbenzene	5.00	50.0	5.00	50		U
Tetrachloroethene	5.00	50.0	6.00	50		F
Toluene	5.00	50.0	5.00	50		U
trans-1,2-Dichloroethene	5.00	50.0	25.5	50		F
trans-1,3-Dichloropropene	8.00	50.0	8.00	50		U
Trichloroethene	5.00	50.0	157	50		
Trichlorofluoromethane	5.00	50.0	5.00	50		U
Vinyl chloride	16.5	50.0	16.5	50		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046A	**Lab Sample ID:**	K1210012-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0593.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	15.0	100	15.0	50		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	237336	121878 - 487512	
Chlorobenzene-d5	487232	242134 - 968538	
Fluorobenzene	1230044	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0594.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Spike %	Qualifier
(m+p)-Xylene	0.600	6.00	0.600	3		U
1,1,1,2-Tetrachloroethane	0.480	1.50	0.480	3		U
1,1,1-Trichloroethane	0.300	3.00	0.300	3		U
1,1,2,2-Tetrachloroethane	0.300	1.50	0.300	3		U
1,1,2-Trichloroethane	0.480	3.00	0.480	3		U
1,1-Dichloroethane	0.300	3.00	0.300	3		U
1,1-Dichloroethene	0.480	3.00	0.480	3		U
1,1-Dichloropropene	0.300	3.00	0.300	3		U
1,2,3-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,3-Trichloropropane	0.990	6.00	0.990	3		U
1,2,4-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,4-Trimethylbenzene	0.300	3.00	0.300	3		U
1,2-Dibromo-3-chloropropane	3.00	15.0	3.00	3		U
1,2-Dibromoethane	0.480	3.00	0.480	3		U
1,2-Dichlorobenzene	0.300	3.00	0.300	3		U
1,2-Dichloroethane	0.480	1.50	0.480	3		U
1,2-Dichloropropane	0.480	3.00	0.480	3		U
1,3,5-Trimethylbenzene	0.300	3.00	0.300	3		U
1,3-Dichlorobenzene	0.300	3.00	0.300	3		U
1,3-Dichloropropane	0.300	1.50	0.300	3		U
1,4-Dichlorobenzene	0.480	1.50	0.480	3		U
1-Chlorohexane	0.480	3.00	0.480	3		U
2,2-Dichloropropane	0.990	3.00	0.990	3		U
2-Butanone	3.00	30.0	3.00	3		U
2-Chlorotoluene	0.300	3.00	0.300	3		U
4-Chlorotoluene	0.300	3.00	0.300	3		U
4-Methyl-2-pentanone	3.00	30.0	3.00	3		U
Acetone	3.00	30.0	3.00	3		U
Benzene	0.300	1.50	0.300	3		U
Bromobenzene	0.300	3.00	0.300	3		U
Bromochloromethane	0.300	3.00	0.300	3		U
Bromodichloromethane	0.300	1.50	0.300	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0594.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.990	3.00	0.990	3		U
Bromomethane	0.990	9.00	0.990	3		U
Carbon tetrachloride	0.300	3.00	0.300	3		U
Chlorobenzene	0.300	1.50	0.300	3		U
Chloroethane	0.990	3.00	0.990	3		U
Chloroform	0.300	1.50	0.630	3		F
Chloromethane	0.990	3.00	0.990	3		U
cis-1,2-Dichloroethene	0.300	3.00	89.5	3		
cis-1,3-Dichloropropene	0.480	1.50	0.480	3		U
Dibromochloromethane	0.300	1.50	0.300	3		U
Dibromomethane	0.480	3.00	0.480	3		U
Dichlorodifluoromethane	0.300	3.00	0.300	3		U
Ethylbenzene	0.300	3.00	0.300	3		U
Hexachlorobutadiene	0.300	3.00	0.300	3		U
Isopropylbenzene	0.300	3.00	0.300	3		U
Methyl tert-butyl ether	0.480	15.0	0.480	3		U
Methylene chloride	0.480	3.00	5.25	3		B
n-Butylbenzene	0.300	3.00	0.300	3		U
n-Propylbenzene	0.300	3.00	0.300	3		U
Naphthalene	0.300	3.00	0.300	3		U
o-Xylene	0.300	3.00	0.300	3		U
p-Isopropyltoluene	0.480	3.00	0.480	3		U
sec-Butylbenzene	0.480	3.00	0.480	3		U
Styrene	0.300	3.00	0.300	3		U
tert-Butylbenzene	0.300	3.00	0.300	3		U
Tetrachloroethene	0.300	3.00	0.360	3		F
Toluene	0.300	3.00	0.300	3		U
trans-1,2-Dichloroethene	0.300	3.00	0.300	3		U
trans-1,3-Dichloropropene	0.480	3.00	0.480	3		U
Trichloroethene	0.300	3.00	0.300	3		U
Trichlorofluoromethane	0.300	3.00	0.300	3		U
Vinyl chloride	0.990	3.00	0.990	3		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0594.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.900	6.00	0.900	3		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	242888	121878 - 487512	
Chlorobenzene-d5	527875	242134 - 968538	
Fluorobenzene	1336483	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0620.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Calibration	Dilution	Comment	Qual
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0620.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.140	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.200	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.440	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0620.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	251269	121878 - 487512	
Chlorobenzene-d5	567729	242134 - 968538	
Fluorobenzene	1445121	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0595.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	5.00	5		U
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0595.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	71.3	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	2.80	5		FB
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	0.500	5		U
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	127	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

cwt
12/2/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0595.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Units	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	103	81 - 120	

Internal Standard	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	237775	121878 - 487512	
Chlorobenzene-d5	522096	242134 - 968538	
Fluorobenzene	1317395	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0596.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	5.00	5		U
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0596.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	63.8	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	2.95	5		F B
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	27.8	5		
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	230	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

AAB 12/2/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0596.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qual
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	233358	121878 - 487512	
Chlorobenzene-d5	498943	242134 - 968538	
Fluorobenzene	1249087	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0621.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0621.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	6.95	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.210	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	29.6	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0621.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	238319	121878 - 487512	
Chlorobenzene-d5	550702	242134 - 968538	
Fluorobenzene	1413861	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0597.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	5.00	5		U
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0597.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	40.0	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	3.40	5		F B
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	1.20	5		F
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	263	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

CLA
10/12/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0597.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	228968	121878 - 487512	
Chlorobenzene-d5	491038	242134 - 968538	
Fluorobenzene	1227907	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0598.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.600	6.00	0.600	3		U
1,1,1,2-Tetrachloroethane	0.480	1.50	0.480	3		U
1,1,1-Trichloroethane	0.300	3.00	0.300	3		U
1,1,2,2-Tetrachloroethane	0.300	1.50	0.300	3		U
1,1,2-Trichloroethane	0.480	3.00	0.480	3		U
1,1-Dichloroethane	0.300	3.00	0.300	3		U
1,1-Dichloroethene	0.480	3.00	0.480	3		U
1,1-Dichloropropene	0.300	3.00	0.300	3		U
1,2,3-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,3-Trichloropropane	0.990	6.00	0.990	3		U
1,2,4-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,4-Trimethylbenzene	0.300	3.00	0.300	3		U
1,2-Dibromo-3-chloropropane	3.00	15.0	3.00	3		U
1,2-Dibromoethane	0.480	3.00	0.480	3		U
1,2-Dichlorobenzene	0.300	3.00	0.300	3		U
1,2-Dichloroethane	0.480	1.50	0.480	3		U
1,2-Dichloropropane	0.480	3.00	0.480	3		U
1,3,5-Trimethylbenzene	0.300	3.00	0.300	3		U
1,3-Dichlorobenzene	0.300	3.00	0.300	3		U
1,3-Dichloropropane	0.300	1.50	0.300	3		U
1,4-Dichlorobenzene	0.480	1.50	0.480	3		U
1-Chlorohexane	0.480	3.00	0.480	3		U
2,2-Dichloropropane	0.990	3.00	0.990	3		U
2-Butanone	3.00	30.0	3.00	3		U
2-Chlorotoluene	0.300	3.00	0.300	3		U
4-Chlorotoluene	0.300	3.00	0.300	3		U
4-Methyl-2-pentanone	3.00	30.0	3.00	3		U
Acetone	3.00	30.0	3.00	3		U
Benzene	0.300	1.50	0.300	3		U
Bromobenzene	0.300	3.00	0.300	3		U
Bromochloromethane	0.300	3.00	0.300	3		U
Bromodichloromethane	0.300	1.50	0.300	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0598.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	R	Concentration	Dil	Confirm	Qualifier
Bromoform	0.990	3.00	0.990	3		U
Bromomethane	0.990	9.00	0.990	3		U
Carbon tetrachloride	0.300	3.00	0.300	3		U
Chlorobenzene	0.300	1.50	0.300	3		U
Chloroethane	0.990	3.00	0.990	3		U
Chloroform	0.300	1.50	0.300	3		U
Chloromethane	0.990	3.00	0.990	3		U
cis-1,2-Dichloroethene	0.300	3.00	52.3	3		
cis-1,3-Dichloropropene	0.480	1.50	0.480	3		U
Dibromochloromethane	0.300	1.50	0.300	3		U
Dibromomethane	0.480	3.00	0.480	3		U
Dichlorodifluoromethane	0.300	3.00	0.300	3		U
Ethylbenzene	0.300	3.00	0.300	3		U
Hexachlorobutadiene	0.300	3.00	0.300	3		U
Isopropylbenzene	0.300	3.00	0.300	3		U
Methyl tert-butyl ether	0.480	15.0	0.480	3		U
Methylene chloride	0.480	3.00	2.01	3		FB
n-Butylbenzene	0.300	3.00	0.300	3		U
n-Propylbenzene	0.300	3.00	0.300	3		U
Naphthalene	0.300	3.00	0.300	3		U
o-Xylene	0.300	3.00	0.300	3		U
p-Isopropyltoluene	0.480	3.00	0.480	3		U
sec-Butylbenzene	0.480	3.00	0.480	3		U
Styrene	0.300	3.00	0.300	3		U
tert-Butylbenzene	0.300	3.00	0.300	3		U
Tetrachloroethene	0.300	3.00	0.300	3		U
Toluene	0.300	3.00	0.300	3		U
trans-1,2-Dichloroethene	0.300	3.00	0.300	3		U
trans-1,3-Dichloropropene	0.480	3.00	0.480	3		U
Trichloroethene	0.300	3.00	111	3		
Trichlorofluoromethane	0.300	3.00	0.300	3		U
Vinyl chloride	0.990	3.00	0.990	3		U

Comments:

CLT 12/2/12

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0596.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.900	6.00	0.900	3		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	233749	121878 - 487512	
Chlorobenzene-d5	510648	242134 - 968538	
Fluorobenzene	1281455	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0622.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0622.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Conf	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.350	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0622.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	250461	121878 - 487512	
Chlorobenzene-d5	573900	242134 - 968538	
Fluorobenzene	1460634	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0623.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	R	Concentration	D	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.43	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0623.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.800	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0623.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	248492	121878 - 487512	
Chlorobenzene-d5	569359	242134 - 968538	
Fluorobenzene	1437989	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KF	**Lab Sample ID:**	K1210012-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0624.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.31	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KF	**Lab Sample ID:**	K1210012-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0624.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.970	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KF	**Lab Sample ID:**	K1210012-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1654	**File ID:**	K0624.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Co-Elutn	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Count	Area Count Limit	Qualifier
1,4-Dichlorobenzene-d4	245847	121878 - 487512	
Chlorobenzene-d5	562929	242134 - 968538	
Fluorobenzene	1421007	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KR	**Lab Sample ID:**	K1210012-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0625.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilut	Comm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.38	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KR	**Lab Sample ID:**	K1210012-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0625.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.540	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KR	**Lab Sample ID:**	K1210012-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0625.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	232416	121878 - 487512	
Chlorobenzene-d5	531498	242134 - 968538	
Fluorobenzene	1351890	574162 - 2296848	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0616.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Inflm	Qualifier
(m+p)-Xylene	5.00	50.0	5.00	25		U
1,1,1,2-Tetrachloroethane	4.00	12.5	4.00	25		U
1,1,1-Trichloroethane	2.50	25.0	2.50	25		U
1,1,2,2-Tetrachloroethane	2.50	12.5	2.50	25		U
1,1,2-Trichloroethane	4.00	25.0	4.00	25		U
1,1-Dichloroethane	2.50	25.0	2.50	25		U
1,1-Dichloroethene	4.00	25.0	4.00	25		U
1,1-Dichloropropene	2.50	25.0	2.50	25		U
1,2,3-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,3-Trichloropropane	8.25	50.0	8.25	25		U
1,2,4-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,4-Trimethylbenzene	2.50	25.0	2.50	25		U
1,2-Dibromo-3-chloropropane	25.0	125	25.0	25		U
1,2-Dibromoethane	4.00	25.0	4.00	25		U
1,2-Dichlorobenzene	2.50	25.0	2.50	25		U
1,2-Dichloroethane	4.00	12.5	4.00	25		U
1,2-Dichloropropane	4.00	25.0	4.00	25		U
1,3,5-Trimethylbenzene	2.50	25.0	2.50	25		U
1,3-Dichlorobenzene	2.50	25.0	2.50	25		U
1,3-Dichloropropane	2.50	12.5	2.50	25		U
1,4-Dichlorobenzene	4.00	12.5	4.00	25		U
1-Chlorohexane	4.00	25.0	4.00	25		U
2,2-Dichloropropane	8.25	25.0	8.25	25		U
2-Butanone	25.0	250	25.0	25		U
2-Chlorotoluene	2.50	25.0	2.50	25		U
4-Chlorotoluene	2.50	25.0	2.50	25		U
4-Methyl-2-pentanone	25.0	250	25.0	25		U
Acetone	25.0	250	25.0	25		U
Benzene	2.50	12.5	2.50	25		U
Bromobenzene	2.50	25.0	2.50	25		U
Bromochloromethane	2.50	25.0	2.50	25		U
Bromodichloromethane	2.50	12.5	2.50	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0616.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	8.25	25.0	8.25	25		U
Bromomethane	8.25	75.0	8.25	25		U
Carbon tetrachloride	2.50	25.0	2.50	25		U
Chlorobenzene	2.50	12.5	2.50	25		U
Chloroethane	8.25	25.0	8.25	25		U
Chloroform	2.50	12.5	2.50	25		U
Chloromethane	8.25	25.0	8.25	25		U
cis-1,2-Dichloroethene	2.50	25.0	130	25		
cis-1,3-Dichloropropene	4.00	12.5	4.00	25		U
Dibromochloromethane	2.50	12.5	2.50	25		U
Dibromomethane	4.00	25.0	4.00	25		U
Dichlorodifluoromethane	2.50	25.0	2.50	25		U
Ethylbenzene	2.50	25.0	2.50	25		U
Hexachlorobutadiene	2.50	25.0	2.50	25		U
Isopropylbenzene	2.50	25.0	2.50	25		U
Methyl tert-butyl ether	4.00	125	4.00	25		U
Methylene chloride	4.00	25.0	12.5	25		FB
n-Butylbenzene	2.50	25.0	2.50	25		U
n-Propylbenzene	2.50	25.0	2.50	25		U
Naphthalene	2.50	25.0	2.50	25		U
o-Xylene	2.50	25.0	2.50	25		U
p-Isopropyltoluene	4.00	25.0	4.00	25		U
sec-Butylbenzene	4.00	25.0	4.00	25		U
Styrene	2.50	25.0	2.50	25		U
tert-Butylbenzene	2.50	25.0	2.50	25		U
Tetrachloroethene	2.50	25.0	2.50	25		U
Toluene	2.50	25.0	2.50	25		U
trans-1,2-Dichloroethene	2.50	25.0	10.2	25		F
trans-1,3-Dichloropropene	4.00	25.0	4.00	25		U
Trichloroethene	2.50	25.0	632	25		
Trichlorofluoromethane	2.50	25.0	2.50	25		U
Vinyl chloride	8.25	25.0	8.25	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0616.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
Xylenes (total)	7.50	50.0	7.50	25		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	257745	121878 - 487512	
Chlorobenzene-d5	566292	242134 - 968538	
Fluorobenzene	1429320	574162 - 2295648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0617.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	10.0	10		U
Benzene	1.00	5.00	1.50	10		F
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0617.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	229	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	4.80	10		FB
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	114	10		
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	194	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0617.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	DilLOn	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	246256	121878 - 487512	
Chlorobenzene-d5	550412	242134 - 968538	
Fluorobenzene	1384579	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0618.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution		Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	10.0	10		U
Benzene	1.00	5.00	1.50	10		F
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0618.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	225	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	4.80	10		FB
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	113	10		
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	183	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0618.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	246473	121878 - 487512	
Chlorobenzene-d5	563738	242134 - 968538	
Fluorobenzene	1415284	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0626.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.26	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0626.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.650	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0626.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limit	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	241571	121878 - 487512	
Chlorobenzene-d5	565681	242134 - 968538	
Fluorobenzene	1428597	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KF	**Lab Sample ID:**	K1210052-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0627.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KF	**Lab Sample ID:**	K1210052-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0627.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.280	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KF	**Lab Sample ID:**	K1210052-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0627.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qual
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	234546	121878 - 487512	
Chlorobenzene-d5	531513	242134 - 968538	
Fluorobenzene	1335926	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KR	**Lab Sample ID:**	K1210052-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0628.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KR	**Lab Sample ID:**	K1210052-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0628.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.850	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KR	**Lab Sample ID:**	K1210052-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0628.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	CRL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Cont. Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	230216	121878 - 487512	
Chlorobenzene-d5	529947	242134 - 968538	
Fluorobenzene	1342188	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	AAB #:	
Lab Name:	Life Science Laboratories, Inc.	Contract #:	
Instrument ID:	MSK_75	Date of Initial Calibration:	17-Jul-2012
Initial Calibration ID:	1853	Concentration Units (ug/L or mg/kg):	ug/L

SEE ATTACHED

Comments:

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ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31KA	K1209307-001B
LF6VM13RD35KA	K1209307-002B
LF6SW01PM01KA	K1209307-003B
092712KE	K1209307-004B

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

Dissolved Gases Data

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ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16014

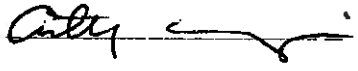
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M2046A	K1210012-001B
LF6VM2650KA	K1210012-002B
LF6M3145KA	K1210012-003B
LF6T3304KA	K1210012-004B
LF6T3406KA	K1210012-005B
LF6T3505KA	K1210012-006B
LF6T3602KA	K1210012-007B
LF6T3805KA	K1210012-008B
LF6M3920KA	K1210012-009B
092812KE	K1210012-010B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

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ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16022

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645KA	K1210052-001B
LF6M1750KA	K1210052-002B
LF6M1750KC	K1210052-003B
100112KE	K1210052-004B

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100819.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	32.39 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	5.9	2.8	1		U
Ethene	2.1	4.9	2.1	1		~~U~~ UJ
Methane	1.4	4.9	1.4	1		U

CAA 12/1/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100820.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.66 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q UJ
Methane	1.4	5.1	1.9	1		F

Cut
12/1/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100821.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.98 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		~~U~~ UJ
Methane	1.4	5.0	7.7	1		

CM
12/1/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16014
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	092712KE	Lab Sample ID:	K1209307-004B	Matrix:	Water Q
% Solids:	0	Initial Calibration ID:	1846	File ID:	\\Computer 1\cdata\Osioct12\E100822.rst
Date Received:	28-Sep-12	Date Extracted:	08-Oct-12	Date Analyzed:	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	32.11 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		Q UJ
Methane	1.4	5.0	1.4	1		U

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12/1/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16014
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	LF6M2046A	Lab Sample ID:	K1210012-001B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1846	File ID:	E:\Osioct12\E100826.rst
Date Received:	01-Oct-12	Date Extracted:	08-Oct-12	Date Analyzed:	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	31.2 mL

Analyte	MDL	PQL	Concentration	Dilution	Confirm	Qualifier
Ethane	570	1200	570	200		U
Ethene	430	1000	430	200		~~U~~ UJ
Methane	290	1000	13000	200		

CWS
12/1/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100827.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.74 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm.	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		U
Methane	1.4	5.0	1.4	1		U

cut
12/1/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100828.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.65 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		U
Methane	1.4	5.1	6.6	1		

CM
12/1/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100829.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.23 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.9	6.1	2.9	1		U
Ethene	2.2	5.1	2.2	1		U
Methane	1.4	5.1	100	1		

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Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100830.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.6 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		U
Methane	1.4	5.1	5.2	1		

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Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100831.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.51 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q UJ
Methane	1.4	5.1	6.6	1		

cdt
12/1/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100832.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.71 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.0	2.1	1		U
Methane	1.4	5.0	6.7	1		

CWS
12/1/12

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100833.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.64 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		~~Q~~ UJ
Methane	1.4	5.1	3.3	1		F

CWH
12/1/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100837.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.62 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		~~U~~ UJ
Methane	1.4	5.1	1.4	1		U

cdt
12/1/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100838.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.68 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		U J
Methane	1.4	5.1	1.4	1		U

CMS
12/1/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16022
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100906.rst
Date Received:	03-Oct-12	**Date Extracted:**	09-Oct-12	**Date Analyzed:**	09-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	32.25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	560	1200	560	200		U
Ethene	420	990	420	200		Q UJ
Methane	280	990	8400	200		

CMS
12/1/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16022
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100908.rst
Date Received:	03-Oct-12	**Date Extracted:**	09-Oct-12	**Date Analyzed:**	09-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.49 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	140	300	140	50		U
Ethene	110	250	110	50		U UJ
Methane	71	250	1200	50		

CMS
12/1/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16022
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	LF6M1750KC	Lab Sample ID:	K1210052-003B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1846	File ID:	E:\Osioct12\E100910.rst
Date Received:	03-Oct-12	Date Extracted:	09-Oct-12	Date Analyzed:	09-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	31.23 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	140	310	140	50		U
Ethene	110	260	110	50		U
Methane	72	260	1400	50		

add
12/1/12

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16022
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100911.rst
Date Received:	03-Oct-12	**Date Extracted:**	09-Oct-12	**Date Analyzed:**	09-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.64 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		~~Q~~ U J
Methane	1.4	5.1	1.4	1		U

cmt
12/1/12

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SM 5310 B	**AAB #:**	R24675
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31KA	K1209307-001C
LF6VM13RD35KA	K1209307-002C
LF6SW01PM01KA	K1209307-003C
092712KE	K1209307-004C

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

Dissolved Organic Carbon Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M2046A	K1210012-001C
LF6VM2650KA	K1210012-002C
LF6M3145KA	K1210012-003C
LF6T3304KA	K1210012-004C
LF6T3406KA	K1210012-005C
LF6T3505KA	K1210012-006C
LF6T3602KA	K1210012-007C
LF6T3805KA	K1210012-008C
LF6M3920KA	K1210012-009C
092812KE	K1210012-010C

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24677

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645KA	K1210052-001C
LF6M1750KA	K1210052-002C
LF6M1750KC	K1210052-003C
100112KE	K1210052-004C

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.60	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M2046A	**Lab Sample ID:**	K1210012-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.67	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24676		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24676		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.98	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.63	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24677	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	15-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24677	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	15-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24677		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	15-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24677	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	15-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31KA	K1209307-001A
LF6VM13RD35KA	K1209307-002A
LF6SW01PM01KA	K1209307-003A
092712KE	K1209307-004A
LF6M2046KA	K1210012-001A
LF6VM2650KA	K1210012-002A
LF6M3145KA	K1210012-003A
LF6T3304KA	K1210012-004A
LF6T3406KA	K1210012-005A
LF6T3505KA	K1210012-006A
LF6T3602KA	K1210012-007A
LF6T3805KA	K1210012-008A
LF6M3920KA	K1210012-009A
092812KE	K1210012-010A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

Sulfate Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SW9056	**AAB #:**	R24681A
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
LF6M1645KA	K1210052-001A
LF6M1750KA	K1210052-002A
LF6M1750KC	K1210052-003A
100112KE	K1210052-004A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	48	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	53	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	32	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M2046KA	**Lab Sample ID:**	K1210012-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	53	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	42	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	71	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	85	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	74	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	48	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	46	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	PL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	42	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	41	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681A		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	59	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681A		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	64	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681A		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	64	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681A	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1851

AAB #: R24681
Contract #:
Date of Initial Calibration: 16-Aug-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

FPM GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Building 775
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Job # K1303138

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	16
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	March 11, 2013

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
775VM0570OA	3/11/13		
775M0673OA	3/11/13		
775VM0873OA	3/11/13		
775VM1095OA	3/11/13	031113OE, 031113OF, 031113OR	3/11/13
775VM19R67OA	3/11/13		
775M20115OA	3/11/13		
775M2771OA	3/11/13		
775M2880OA	3/11/13	775M2880OC, 775M2880OS, 775M2880OD	3/11/13
775E0175OA	3/11/13		
775EF0101OA	3/11/13		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
OA – Primary environmental samples
OC – Field duplicate sample
OD – Matrix Spike Duplicate (MSD)
OE – Equipment blank
OF – Ambient blank
OR – Trip blank
OS – Matrix Spike (MS)

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical method employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between MDL and RL (F-flag)

- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

There were no discrepancies between the chain of custody and the sample labels.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilution:

Sample	Dilution
775VM0570OA	1:2

The dilution results only are reported and are used in data verification as representing original results.

- According to the case narrative, in the following second source calibration verification and/or continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
2SRC-25425				
Isopropylbenzene	***26.7***	±25	None	Per AFCEE-approved variance, up to ±30% D acceptable
CCV-25425				
1,1,2,2-Tetrachloroethane	***24.4***	±20	None	Per AFCEE-approved variance, up to ±30% D acceptable
n-propylbenzene	***23.0***	±20	None	Per AFCEE-approved variance, up to ±30% D acceptable
1,2-Dibromo-3-chloropropane	***20.6***	±20	None	Per AFCEE-approved variance, up to ±30% D acceptable

Corrective Action: In accordance with the case narrative, no corrective action was required for the compounds listed in the above table based on a project-specific variance of up to ±30% for CCV %D.

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # K1303138: LCS/LCSD 25425				
LCS: Isopropylbenzene	127	75-127	J	%Rec > upper control limit; associated results non-detect
LCSD: Isopropylbenzene	***130***			

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each AFCEE analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J");

and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are rejected (flagged "R"). Note that the QAPP also allows for up to three marginal exceedances of LCS control limits for an LCS with 64 analytes.
Corrective Action: Using professional judgment, since the primary LCS %Rec was within control limits, and associated results were reported non-detect, no further corrective action was deemed necessary.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

  The following table summarizes the relative percent differences (RPD's) of field duplicate samples 775M2880OA/OC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	RL (µg/L)	RPD	Flag Applied	Rationale
775M2880OA	775M2880OA	TCE	7.39	7.41	1.00	0.3	None	RPD < 20%

  Corrective Action: There were no RPD exceedances for any analyte in duplicate sample set 775M2880OA/OC.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the reporting limit (RL). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
031113OE	Acetone	12.3	10.0	775VM0570OA, 775M0673OA, 775VM0873OA, 775VM1095OA, 775VM19R67OA, 775M20115OA, 775M2771OA, 775M2880OA, 775M2880OC,

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
				775E0175OA, 775EF0101OA
031113OR	Acetone	5.54 F	10.0	775VM0570OA, 775M0673OA, 775VM0873OA, 775VM1095OA, 775VM19R67OA, 775M20115OA, 775M2771OA, 775M2880OA, 775M2880OC, 775E0175OA, 775EF0101OA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the UFP QAPP, based on the blank contaminants present above half the RL, results for the specific analytes in the associated environmental samples are qualified with a "B" flag, for only those sample results that are less than five times (5x) the blank concentration.

Corrective Action: Using professional judgment, "B" flags were applied to the associated results in the samples listed, since associated results were less than 5x the blank concentration.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # K1303138 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Vasi Hoeel Date: 6/7/13

ATTACHMENTS

- Chain of Custody
- Laboratory's Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R25425

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
775VM0570OA	K1303138-001A
775M0673OA	K1303138-002A
775VM0873OA	K1303138-003A
775VM1095OA	K1303138-004A
775VM19R67OA	K1303138-005A
775M20115OA	K1303138-006A
775M2771OA	K1303138-007A
775M2880OA	K1303138-008A
775M2880OA	K1303138-008AMS
775M2880OA	K1303138-008AMSD
775M2880OC	K1303138-009A
775E0175OA	K1303138-010A
775EF0101OA	K1303138-011A
031113OE	K1303138-012A
031113OF	K1303138-013A
031113OR	K1303138-014A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

Client:	FPM
Project/Order:	Griffiss AFB – Bldg 775
Work Order #:	K1303138
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 3/27/13

Supervisor/Reviewed by (Initials/Date): 3/27/13

QA/QC Review (Initials/Date): 3/28/13

File Name: U:\Narratives\MSVoa\K1303138msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCSD-25425	Isopropylbenzene	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

MS/MSD
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
The following compound(s) did not meet second source calibration recovery criteria:

2SRC No.	Compound	Corrective Action
2SRC-25425	Isopropylbenzene	1

1 The recovery marginally exceeded the upper control limit of 125% and was not detected in associated samples. No corrective action was taken.

Client: FPM
Project/Order: Griffiss AFB – Bldg 775
Work Order #: K1303138
Methodology: 8260B

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25425	MS1	1,1,2,2-Tetrachloroethane	~~23.0~~	~~24.4~~	1
	n-propylbenzene	~~1,3,5-Trimethylbenzene~~	~~24.4~~	23.0	1
		1,2-Dibromo-3-chloropropane	20.6		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

CWS 6/7/13

CLIENT: FPM Group
Project: Griffiss AFB - Bldg 775
Lab Order: K1303138

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303138-001A	775VM0570OA	775VMW-5	3/11/2013	3/13/2013
K1303138-002A	775M0673OA	775MW-6	3/11/2013	3/13/2013
K1303138-003A	775VM0873OA	775VMW-8	3/11/2013	3/13/2013
K1303138-004A	775VM1095OA	775VMW-10	3/11/2013	3/13/2013
K1303138-005A	775VM19R67OA	775MW-19R	3/11/2013	3/13/2013
K1303138-006A	775M20115OA	775MW-20	3/11/2013	3/13/2013
K1303138-007A	775M2771OA	775MW-27	3/11/2013	3/13/2013
K1303138-008A	775M2880OA	775MW-28	3/11/2013	3/13/2013
K1303138-009A	775M2880OC	775MW-28	3/11/2013	3/13/2013
K1303138-010A	775E0175OA	775EW-1	3/11/2013	3/13/2013
K1303138-011A	775EF0101OA	775EF-1	3/11/2013	3/13/2013
K1303138-012A	031113OE	FIELDQC	3/11/2013	3/13/2013
K1303138-013A	031113OF	FIELDQC	3/11/2013	3/13/2013
K1303138-014A	031113OR	FIELDQC	3/11/2013	3/13/2013

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _286_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
775VM0570OA	775VMW-5	3/11	1502	WG	BP	N	0/0	3	3	
775M0673OA	775MW-6	3/11	1338	WG	BP	N	0/0	3	3	
775VM0873OA	775VMW-8	3/11	1420	WG	BP	N	0/0	3	3	
775VM1095OA	775VMW-10	3/11	1411	WG	BP	N	0/0	3	3	
775VM19R67OA	775MW-19R	3/11	1511	WG	BP	N	0/0	3	3	
775M20115OA	775MW-20	3/11	1131	WG	BP	N	0/0	3	3	
775M2771OA	775MW-27	3/11	1152	WG	BP	N	0/0	3	3	
775M2880OA	775MW-28	3/11	1211	WG	BP	N	0/0	3	3	
775M2880OC	775MW-28	3/11	1211	WG	BP	FD	0/0	3	3	
775M2880OS	775MW-28	3/11	1211	WG	BP	MS	0/0	3	3	
775M2880OD	775MW-28	3/11	1211	WG	BP	SD	0/0	3	3	
775E0175OA	775EW-1	3/11	1048	WG	BP	N	0/0	3	3	
775EF0101OA	775EF-1	3/11	1015	WG	G	N	0/0	3	3	
031113OE	FIELDQC	3/11	1025	WQ	BP	EB	0/0	3	3	
031113OF	FIELDQC	3/11	1020	WQ	NA	AB	0/0	3	3	
031113OR	FIELDQC	3/11	0900	WQ	NA	TB	0/0	2	2	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature: 2.0 °C
Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/13/13	#3 Released by: (Sig) Bill Donaldson	Date: 3-13-13
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 9:55	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Josh Wenzel	Date: : 3/5/13	#2 Received by: (Sig) Bill Donaldson	Date: 3-13-13	#3 Received by: (Sig)	Date: 3-13-13
Company Name: FPM Group Ltd	Time: 10:00	Company Name: Life Science Labs	Time: 1000	Company Name: LSL	Time: 1415O

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

01

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570OA	**Lab Sample ID:**	K1303138-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5765.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.240	2		F
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		U
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	10.3	2		F
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570OA	**Lab Sample ID:**	K1303138-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5765.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	0.200	2		U
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	0.320	2		U
Methylene chloride	0.320	2.00	0.600	2		F
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	0.200	2		U
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	53.1	2		
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	0.660	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570OA	**Lab Sample ID:**	K1303138-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5765.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	397952	176534 - 706136	
Chlorobenzene-d5	755838	283296 - 1133186	
Fluorobenzene	2030574	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673OA	**Lab Sample ID:**	K1303138-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5786.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.130	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.32	1		F B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673OA	**Lab Sample ID:**	K1303138-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5766.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.660	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	16.5	1		
Trichlorofluoromethane	0.100	1.00	0.200	1		F
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673OA	**Lab Sample ID:**	K1303138-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5766.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	396067	176534 - 706136	
Chlorobenzene-d5	745142	283296 - 1133186	
Fluorobenzene	2014077	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873OA	**Lab Sample ID:**	K1303138-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5767.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.260	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.53	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873OA	**Lab Sample ID:**	K1303138-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5767.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	14.1	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873QA	**Lab Sample ID:**	K1303138-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5767.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	375396	176534 - 706136	
Chlorobenzene-d5	716576	283296 - 1133186	
Fluorobenzene	1921419	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095OA	**Lab Sample ID:**	K1303138-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5768.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.370	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	13.9	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095OA	**Lab Sample ID:**	K1303138-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5768.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.220	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	39.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095OA	**Lab Sample ID:**	K1303138-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5768.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	366917	176534 - 706136	
Chlorobenzene-d5	707026	283296 - 1133186	
Fluorobenzene	1908088	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67QA	**Lab Sample ID:**	K1303138-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5769.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	12.6	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67QA	**Lab Sample ID:**	K1303138-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5769.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67QA	**Lab Sample ID:**	K1303138-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5769.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	363605	176534 - 706136	
Chlorobenzene-d5	704976	283296 - 1133186	
Fluorobenzene	1897409	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115QA	**Lab Sample ID:**	K1303138-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5770.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.330	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	1.32	1		
1,1-Dichloroethene	0.160	1.00	0.920	1		F
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.200	1		F
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	15.9	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115OA	**Lab Sample ID:**	K1303138-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5770.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.160	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	20.2	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115OA	**Lab Sample ID:**	K1303138-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5770.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	116	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	358224	176534 - 706136	
Chlorobenzene-d5	694301	283296 - 1133186	
Fluorobenzene	1856384	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771OA	**Lab Sample ID:**	K1303138-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5771.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.32	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771OA	**Lab Sample ID:**	K1303138-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5771.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.170	1		F
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.520	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771OA	**Lab Sample ID:**	K1303138-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5771.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	116	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	359540	176534 - 706136	
Chlorobenzene-d5	666273	283296 - 1133186	
Fluorobenzene	1757310	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5764.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.140	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.00	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5764.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	7.39	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880QA	**Lab Sample ID:**	K1303138-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5764.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	390479	176534 - 706136	
Chlorobenzene-d5	743559	283296 - 1133186	
Fluorobenzene	1998246	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OC	**Lab Sample ID:**	K1303138-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5773.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.140	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.6	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OC	**Lab Sample ID:**	K1303138-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5773.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	7.41	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OC	**Lab Sample ID:**	K1303138-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5773.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	351320	176534 - 706136	
Chlorobenzene-d5	690241	283296 - 1133186	
Fluorobenzene	1884436	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175OA	**Lab Sample ID:**	K1303138-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5774.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.400	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	6.13	1		F B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175OA	**Lab Sample ID:**	K1303138-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5774.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.540	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175OA	**Lab Sample ID:**	K1303138-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5774.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	116	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	348174	176534 - 706136	
Chlorobenzene-d5	691688	283296 - 1133186	
Fluorobenzene	1860109	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101OA	**Lab Sample ID:**	K1303138-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5775.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.350	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.05	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101QA	**Lab Sample ID:**	K1303138-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5775.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.600	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	36.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101QA	**Lab Sample ID:**	K1303138-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5775.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	116	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	341804	176534 - 706136	
Chlorobenzene-d5	675413	283296 - 1133186	
Fluorobenzene	1834048	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OE	**Lab Sample ID:**	K1303138-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5776.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	12.3	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OE	**Lab Sample ID:**	K1303138-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5776.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.220	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OE	**Lab Sample ID:**	K1303138-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5776.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	326324	176534 - 706136	
Chlorobenzene-d5	652045	283296 - 1133186	
Fluorobenzene	1756192	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OF	**Lab Sample ID:**	K1303138-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5777.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.47	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OF	**Lab Sample ID:**	K1303138-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5777.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.340	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OF	**Lab Sample ID:**	K1303138-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5777.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	338214	176534 - 706136	
Chlorobenzene-d5	680536	283296 - 1133186	
Fluorobenzene	1848661	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OR	**Lab Sample ID:**	K1303138-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5778.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	5.54	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OR	**Lab Sample ID:**	K1303138-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5778.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OR	**Lab Sample ID:**	K1303138-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5778.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	319339	176534 - 706136	
Chlorobenzene-d5	658399	283296 - 1133186	
Fluorobenzene	1781487	750293 - 3001172	

Comments:

FPM-GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Apron 2
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Jobs # K1303139/K1303151

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	21
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	March 12-13, 2012

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
782VM12116LA	3/12/13	031213LE, 031213LF, 031213LR	3/12/13
782VM121D26LA	3/12/13		
782VM9637LA	3/13/13		
782VM8146LA	3/12/13		
782VM7638LA	3/13/13		
782VM7840LA	3/13/13		
782VM10118LA	3/12/13	782VM10118LC	3/12/13
782VM8440LA	3/13/13		
782VM10025LA	3/12/13		
782VM105B36LA	3/12/13	782VM105B36LC, 782VM105B36LS, 782VM105B36LD	3/12/13
782M1027LA	3/13/13		
782SW11501LA	3/12/13		
782SW11801LA	3/12/13		
782SW11901LA	3/12/13		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
LA – Primary environmental samples
LC – Field duplicate sample
LD – Matrix spike duplicate (MSD)
LE – Equipment blank
LF – Ambient blank
LR – Trip blank
LS – Matrix Spike (MS)

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Anions (including chloride, nitrate, and sulfate) by Method SW9056, Total Alkalinity by Method SM 2320 B, and Dissolved Organic Carbon by Method SM 5310 B.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times

- Laboratory control samples (LCS)
- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilution:

Sample	Dilution
782VM7840LA	1:2
782VM9637LA	1:2

The dilution results only are reported and are used in data verification as representing original results.

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV-25407				
Hexachlorobutadiene	***23.3***	±20	None	%D greater than upper control limit; all associated results non-detect
CCV-25423				
4-Methyl-2-pentanone	***20.7***	±20	None	%D greater than upper control limit; all associated results non-detect
Hexachlorobutadiene	***24.8***	±20	None	%D greater than upper control limit; all associated results non-detect

Corrective Action: When the exceedance showed increased sensitivity and associated results were non-detect, no flagging was deemed necessary. It should be noted that 4-methyl-2-pentanone and hexachlorobutadiene are not considered site-specific contaminants of concern.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

The following table summarizes the relative percent differences (RPD's) of field duplicate sample sets 782VM10118LA/LC and 782VM105B36JB/JC:

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	MDL (µg/L)	RPD	Flag Applied	Rationale
782VM10118LA	7782VM10118LC	MTBE	7.49	7.57	0.160	1.1	None	RPD < 20%
782VM10118LA	7782VM10118LC	Vinyl Chloride	4.94	5.04	0.330	2.0	None	RPD < 20%
782VM105B36LA	782VM105B36LC	cis-1,2-DCE	2.06	2.15	0.100	4.3	None	RPD < 20%
782VM105B36LA	782VM105B36LC	TCE	23.2	25.5	0.100	9.4	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analytes in the duplicate sample sets 782VM10118LA/LC and 782VM105B36LA/LC.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the reporting limit (RL). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
031213LE	Acetone	8.79 F	10.0	782VM8146LA, 782VM10025LA, 782VM10118LA, 782VM10118LC, 782VM105B36LA, 782VM105B36LC, 782VM12116LA, 782VM121D26LA, 782SW11501LA, 782SW11801LA, 782SW11901LA
031213LF	Acetone	13.3	10.0	782VM8146LA, 782VM10025LA, 782VM10118LA, 782VM10118LC, 782VM105B36LA, 782VM105B36LC, 782VM12116LA, 782VM121D26LA, 782SW11501LA, 782SW11801LA, 782SW11901LA
031213LR	Acetone	10.9	10.0	782VM8146LA, 782VM10025LA, 782VM10118LA, 782VM10118LC, 782VM105B36LA, 782VM105B36LC, 782VM12116LA, 782VM121D26LA, 782SW11501LA, 782SW11801LA,

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
				782SW11901LA
031313LE	Acetone	10.2	10.0	782VM7638LA, 782M7840LA, 782VM8440LA, 782VM9637LA, 782M1027LA
031313LF	Acetone	20.4	10.0	782VM7638LA, 782M7840LA, 782VM8440LA, 782VM9637LA, 782M1027LA
031313LR	Acetone	8.68 F	10.0	782VM7638LA, 782M7840LA, 782VM8440LA, 782VM9637LA, 782M1027LA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above the RL, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with AFCEE QAPP Version 4.0, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration (or 10x for common laboratory contaminants).

Corrective Action: "B" flags were applied to the samples as listed above, since sample concentrations were less than 5x the blank concentration.

WET CHEMISTRY ANALYSES

- According to the case narrative, several samples required dilutions after original results (some performed at dilution, as listed above) were above the calibration curve:

Analyte	Sample	Dilution
Chloride	782VM9637LA	1:5
Sulfate	782VM10118LA	1:10
Sulfate	782VM10118LC	1:10
Sulfate	782VM12116LA	1:5
Sulfate	782VM121D26LA	1:5

Use diluted sample results for these compounds only. Original sample results are modified accordingly.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field

duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits. If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and rejected ("R") for nondetects. Using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("R") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

The following table summarizes the relative percent differences (RPD's) of field duplicate sample sets 782VM105B36LA/LC and 782VM10118LA/LC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	RL (mg/L)	RPD	Flag Applied	Rationale
782VM10118LA	782VM10118LC	Chloride	34	34	0.50	0	None	RPD < 20%
782VM10118LA	782VM10118LC	Sulfate	210	220	5.0	4.7	None	RPD < 20%
782VM10118LA	782VM10118LC	DOC	3.5	3.4	0.50	2.9	None	RPD < 20%
782VM10118LA	782VM10118LC	Alkalinity	330	330	10	0	None	RPD < 20%
782VM105B36LA	782VM105B36LC	Chloride	3.9	3.9	0.50	0	None	RPD < 20%
782VM105B36LA	782VM105B36LC	Sulfate	12	11	0.50	8.7	None	RPD < 20%
782VM105B36LA	782VM105B36LC	DOC	1.7	1.8	0.50	5.7	None	RPD < 20%
782VM105B36LA	782VM105B36LC	Alkalinity	250	240	10	4.1	None	RPD < 20%

Corrective Action: There were no RPD exceedances for any analytes in the duplicate sample sets 782VM10118LA/LC and 782VM105B36LA/LC.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Wet Chemistry

Based on the evaluation of all information in the analytical data groups, the wet chemistry results are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Jobs # K1303139/K1303151 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 6/14/13

ATTACHMENTS

- Chain of Custody
- Laboratory's Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

Life Science Laboratories, Inc.

Date: *03-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Apron 2 Performance
Lab Order: K1303139

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303139-001A	782VM8146LA	WL-782VMW-81	3/12/2013	3/13/2013
K1303139-001B	782VM8146LA	WL-782VMW-81	3/12/2013	3/13/2013
K1303139-001C	782VM8146LA	WL-782VMW-81	3/12/2013	3/13/2013
K1303139-001D	782VM8146LA	WL-782VMW-81	3/12/2013	3/13/2013
K1303139-002A	782VM10025LA	WL-782VMW-100	3/12/2013	3/13/2013
K1303139-002B	782VM10025LA	WL-782VMW-100	3/12/2013	3/13/2013
K1303139-002C	782VM10025LA	WL-782VMW-100	3/12/2013	3/13/2013
K1303139-002D	782VM10025LA	WL-782VMW-100	3/12/2013	3/13/2013
K1303139-003A	782VM10118LA	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-003B	782VM10118LA	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-003C	782VM10118LA	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-003D	782VM10118LA	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-004A	782VM10118LC	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-004B	782VM10118LC	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-004C	782VM10118LC	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-004D	782VM10118LC	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-005A	782VM105B36LA	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-005B	782VM105B36LA	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-005C	782VM105B36LA	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-005D	782VM105B36LA	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-006A	782VM105B36LC	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-006B	782VM105B36LC	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-006C	782VM105B36LC	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-006D	782VM105B36LC	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-007A	782VM12116LA	WL-782VMW-121	3/12/2013	3/13/2013
K1303139-007B	782VM12116LA	WL-782VMW-121	3/12/2013	3/13/2013
K1303139-007C	782VM12116LA	WL-782VMW-121	3/12/2013	3/13/2013
K1303139-007D	782VM12116LA	WL-782VMW-121	3/12/2013	3/13/2013
K1303139-008A	782VM121D26LA	WL-782VMW-121D	3/12/2013	3/13/2013
K1303139-008B	782VM121D26LA	WL-782VMW-121D	3/12/2013	3/13/2013
K1303139-008C	782VM121D26LA	WL-782VMW-121D	3/12/2013	3/13/2013
K1303139-008D	782VM121D26LA	WL-782VMW-121D	3/12/2013	3/13/2013
K1303139-009A	782SW11501LA	782SW-115	3/12/2013	3/13/2013
K1303139-010A	782SW11801LA	782SW-118	3/12/2013	3/13/2013
K1303139-011A	782SW11901LA	782SW-119	3/12/2013	3/13/2013
K1303139-012A	031213LE	FIELDQC	3/12/2013	3/13/2013
K1303139-012B	031213LE	FIELDQC	3/12/2013	3/13/2013
K1303139-012C	031213LE	FIELDQC	3/12/2013	3/13/2013

CLIENT:	FPM Group
Project:	Griffiss AFB - Apron 2 Performance
Lab Order:	K1303139

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303139-012D	031213LE	FIELDQC	3/12/2013	3/13/2013
K1303139-013A	031213LF	FIELDQC	3/12/2013	3/13/2013
K1303139-014A	031213LR	FIELDQC	3/12/2013	3/13/2013

Life Science Laboratories, Inc.

Date: *03-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Apron 2 Performance
Lab Order: K1303151

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303151-001A	782VM7638LA	WL-782VMW-76	3/13/2013	3/14/2013
K1303151-001B	782VM7638LA	WL-782VMW-76	3/13/2013	3/14/2013
K1303151-001C	782VM7638LA	WL-782VMW-76	3/13/2013	3/14/2013
K1303151-001D	782VM7638LA	WL-782VMW-76	3/13/2013	3/14/2013
K1303151-002A	782VM7840LA	WL-782VMW-78	3/13/2013	3/14/2013
K1303151-002B	782VM7840LA	WL-782VMW-78	3/13/2013	3/14/2013
K1303151-002C	782VM7840LA	WL-782VMW-78	3/13/2013	3/14/2013
K1303151-002D	782VM7840LA	WL-782VMW-78	3/13/2013	3/14/2013
K1303151-003A	782VM8440LA	WL-782VMW-84	3/13/2013	3/14/2013
K1303151-003B	782VM8440LA	WL-782VMW-84	3/13/2013	3/14/2013
K1303151-003C	782VM8440LA	WL-782VMW-84	3/13/2013	3/14/2013
K1303151-003D	782VM8440LA	WL-782VMW-84	3/13/2013	3/14/2013
K1303151-004A	782VM9637LA	WL-782VMW-96	3/13/2013	3/14/2013
K1303151-004B	782VM9637LA	WL-782VMW-96	3/13/2013	3/14/2013
K1303151-004C	782VM9637LA	WL-782VMW-96	3/13/2013	3/14/2013
K1303151-004D	782VM9637LA	WL-782VMW-96	3/13/2013	3/14/2013
K1303151-005A	782M1027LA	WL-782MW-10	3/13/2013	3/14/2013
K1303151-005B	782M1027LA	WL-782MW-10	3/13/2013	3/14/2013
K1303151-005C	782M1027LA	WL-782MW-10	3/13/2013	3/14/2013
K1303151-005D	782M1027LA	WL-782MW-10	3/13/2013	3/14/2013
K1303151-006A	031313LE	FIELDQC	3/13/2013	3/14/2013
K1303151-006B	031313LE	FIELDQC	3/13/2013	3/14/2013
K1303151-006C	031313LE	FIELDQC	3/13/2013	3/14/2013
K1303151-006D	031313LE	FIELDQC	3/13/2013	3/14/2013
K1303151-007A	031313LF	FIELDQC	3/13/2013	3/14/2013
K1303151-008A	031313LR	FIELDQC	3/13/2013	3/14/2013

Lab Order: K1303139
Client: FPM Group
Project: Griffiss AFB - Apron 2 Performan

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303139-001A	782VM8146LA	3/12/2013 2:54:00 PM	Groundwater	Alkalinity, as CaCO3			3/15/2013
K1303139-001B				Inorganic anions by IC			3/13/2013
K1303139-001C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-001D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-002A	782VM10025LA	3/12/2013 11:45:00 AM		Alkalinity, as CaCO3			3/15/2013
K1303139-002B				Inorganic anions by IC			3/13/2013
K1303139-002C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-002D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-003A	782VM10118LA	3/12/2013 4:45:00 PM		Alkalinity, as CaCO3			3/15/2013
K1303139-003B				Inorganic anions by IC			3/28/2013
				Inorganic anions by IC			3/13/2013
K1303139-003C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-003D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-004A	782VM10118LC			Alkalinity, as CaCO3			3/15/2013
K1303139-004B				Inorganic anions by IC			3/13/2013
				Inorganic anions by IC			3/28/2013
K1303139-004C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-004D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-005A	782VM105B36LA	3/12/2013 2:51:00 PM		Alkalinity, as CaCO3			3/15/2013
K1303139-005B				Inorganic anions by IC			3/13/2013
K1303139-005C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-005D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-006A	782VM105B36LC			Alkalinity, as CaCO3			3/15/2013
K1303139-006B				Inorganic anions by IC			3/13/2013
K1303139-006C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-006D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-007A	782VM12116LA	3/12/2013 10:42:00 AM		Alkalinity, as CaCO3			3/15/2013
K1303139-007B				Inorganic anions by IC			3/13/2013

K1303139

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _286/7_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	TOC note 5 40 ml vials(HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
001	782VM8146LA	WL-782VMW-81	3/12	1454	WG	BP	N	0/0	6	3	1	1	-	1	
002	782VM10025LA	WL-782VMW-100	3/12	1145	WG	BP	N	0/0	6	3	1	1	-	1	
003	782VM10118LA	WL-782VMW-101	3/12	1645	WG	BP	N	0/0	6	3	1	1	-	1	
004	782VM10118LC	WL-782VMW-101	3/12	1645	WG	BP	FD	0/0	6	3	1	1	-	1	
005	782VM105B36LA	WL-782VMW-105B	3/12	1451	WG	BP	N	0/0	6	3	1	1	-	1	
006	782VM105B36LC	WL-782VMW-105B	3/12	1451	WG	BP	FD	0/0	6	3	1	1	-	1	
007	782VM105B36LS	WL-782VMW-105B	3/12	1451	WG	BP	MS	0/0	6	3	1	1	-	1	
008	782VM105B36LD	WL-782VMW-105B	3/12	1451	WG	BP	SD	0/0	6	3	1	1	-	1	
009	782VM12116LA	WL-782VMW-121	3/12	1042	WG	BP	N	0/0	6	3	1	1	-	1	
010	782VM121D26LA	WL-782VMW-121D	3/12	1210	WG	BP	N	0/0	6	3	1	1	-	1	
011	782SW11501LA	782SW-115	3/12	1600	WS	G	N	0/0	3	3					
012	782SW11801LA	782SW-118	3/12	1622	WS	G	N	0/0	3	3					
013	782SW11901LA	782SW-119	3/12	1632	WS	G	N	0/0	3	3					
014	031213LE	FIELDQC	3/12	1700	WQ	BP	EB	0/0	6	3	1	1	-	1	
015	031213LF	FIELDQC	3/12	1640	WQ	NA	AB	0/0	3	3	-	-	-	-	
016	031213LR	FIELDQC	3/12	0915	WQ	NA	TB	0/0	2	2	-	-		-	

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Sample Condition Upon Receipt at Laboratory:	Cooler temperature: 2.0 °C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Nitrate, Chloride, Sulfate): method **SW9056.**
Note 3: DOC: method SM5310B.
Note 4: Alkalinity: method SM2320B.
Note 5: TOC: method SM5310B

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/13/2013	#3 Released by: (Sig) Bill Donaldson	Date: 3-13-13
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 9:55	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson	Date: 3-13-13	#3 Received by: (Sig)	Date: 3-13-13
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 1000	Company Name: LSL	Time: 14:50

2.0 °C on Ice

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

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K1303151

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _287_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	TOC note 5 40 ml vials(HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
001	782VM7638LA	WL-782VMW-76	3/13	1215	WG	BP	N	0/0	6	3	1	1	-	1	
002	782VM7840LA	WL-782VMW-78	3/13	1515	WG	BP	N	0/0	6	3	1	1	-	1	
003	782VM8440LA	WL-782VMW-84	3/13	1038	WG	BP	N	0/0	6	3	1	1	-	1	
004	782VM9637LA	WL-782VMW-96	3/13	1432	WG	BP	N	0/0	6	3	1	1	-	1	
005	782M1027LA	WL-782MW-10	3/13	1136	WG	BP	N	0/0	6	3	1	1	-	1	
006	031313LE	FIELDQC	3/13	1610	WQ	BP	EB	0/0	6	3	1	1	-	1	
007	031313LF	FIELDQC	3/13	1440	WQ	NA	AB	0/0	3	3	-	-	-	-	
008	031313LR	FIELDQC	3/13	0920	WQ	NA	TB	0/0	2	2	-	-		-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1.0 °C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Alkalinity: method SM2320B.

Note 5: TOC: method SM5310B

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#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/14/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 11:26	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)	Date: 3/14/13	#3 Received by: (Sig)	Date: 3-14-13
Company Name: FPM Group Ltd	Time: 1000	Company Name: LSL	Time: 11:27	Company Name: LSL	Time: 15:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – Apron 2 Performance
Work Order #:	K1303139 and K1303151
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 3/24/13

Supervisor/Reviewed by (Initials/Date): 3/24/13

QA/QC Review (Initials/Date): 4/2/13

File Name: U:\Narratives\MSVoa\K1303139msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25407	MSK	Hexachlorobutadiene	23.3		1
CCV-25423	MSK	4-Methyl-2-pentanone	20.7		1
		Hexachlorobutadiene	24.8		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Client:	FPM
Project/Order:	Griffiss AFB – Apron 2 Performance
Work Order #:	K1303139 and K1303151
Methodology:	8260B

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Apron 2 Performance
Work Order #:	K1303139, K1303151
Methodology:	Anions - Ion Chromatography - SW9056 DOC - SM 5310 B

Analyzed/Reviewed by (Date/Initials): 3-31-13 mt

Supervisor/Reviewed by (Date/Initials): 3-31-13 mt

QA/QC Review (Date/Initials): 4/1/13 dlk

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

Sample Duplicate
All sample duplicate RPD data met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
All spike recovery and RPD data met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Apron 2 Performance
Work Order #:	K1303139; K1303151
Methodology:	Alkalinity, as CaCO3 -- SM 2320 B

Analyzed/Reviewed by (Date/Initials): 3/25/13

Supervisor/Reviewed by (Date/Initials): 3/25/13

QA/QC Review (Date/Initials): 4/1/13

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM7638LA	K1303151-001C
782VM7840LA	K1303151-002C
782VM8440LA	K1303151-003C
782VM9637LA	K1303151-004C
782M1027LA	K1303151-005C
031313LE	K1303151-006C
031313LF	K1303151-007A
031313LR	K1303151-008A

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM8146LA	K1303139-001C
782VM10025LA	K1303139-002C
782VM10118LA	K1303139-003C
782VM10118LC	K1303139-004C
782VM105B36LA	K1303139-005C
782VM105B36LA	K1303139-005CMS
782VM105B36LA	K1303139-005CMSD
782VM105B36LC	K1303139-006C
782VM12116LA	K1303139-007C
782VM121D26LA	K1303139-008C
782SW11501LA	K1303139-009A
782SW11801LA	K1303139-010A
782SW11901LA	K1303139-011A
031213LE	K1303139-012C
031213LF	K1303139-013A
031213LR	K1303139-014A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146LA	**Lab Sample ID:**	K1303139-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2012.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Lab
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.170	1		F
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.54	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

cont 6/14/13

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VMB146LA	**Lab Sample ID:**	K1303139-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2012.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	26.6	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	1.16	1		
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	4.12	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	4.07	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	762VM8146LA	**Lab Sample ID:**	K1303139-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2012.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Flag	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qual Flag
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Ac. Count Limits	Qual Flag
1,4-Dichlorobenzene-d4	322887	141409 - 565636	
Chlorobenzene-d5	679995	272627 - 1090508	
Fluorobenzene	1700941	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2013.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	5.90	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2013.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil.	Dilution	Ref.
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2013.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qual	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	% Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	316872	141409 - 565636	
Chlorobenzene-d5	676875	272627 - 1090508	
Fluorobenzene	1680025	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2014.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution		Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.85	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2014.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Conc	Dilution	Lab Qual	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	7.49	1		
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	4.94	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2014.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	CRQL	MDL	Concentration	Dilution	Column	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Ct	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	298793	141409 - 565636	
Chlorobenzene-d5	627311	272627 - 1090508	
Fluorobenzene	1538369	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2015.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Reason
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	6.76	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2015.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil	Qualifier
Bromoform	0.330	1.00	0.330	1	U
Bromomethane	0.330	3.00	0.330	1	U
Carbon tetrachloride	0.100	1.00	0.100	1	U
Chlorobenzene	0.100	0.500	0.100	1	U
Chloroethane	0.330	1.00	0.330	1	U
Chloroform	0.100	0.500	0.100	1	U
Chloromethane	0.330	1.00	0.330	1	U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1	U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1	U
Dibromochloromethane	0.100	0.500	0.100	1	U
Dibromomethane	0.160	1.00	0.160	1	U
Dichlorodifluoromethane	0.100	1.00	0.100	1	U
Ethylbenzene	0.100	1.00	0.100	1	U
Hexachlorobutadiene	0.100	1.00	0.100	1	U
Isopropylbenzene	0.100	1.00	0.100	1	U
Methyl tert-butyl ether	0.160	5.00	7.57	1	
Methylene chloride	0.160	1.00	0.160	1	U
n-Butylbenzene	0.100	1.00	0.100	1	U
n-Propylbenzene	0.100	1.00	0.100	1	U
Naphthalene	0.100	1.00	0.100	1	U
o-Xylene	0.100	1.00	0.100	1	U
p-Isopropyltoluene	0.160	1.00	0.160	1	U
sec-Butylbenzene	0.160	1.00	0.160	1	U
Styrene	0.100	1.00	0.100	1	U
tert-Butylbenzene	0.100	1.00	0.100	1	U
Tetrachloroethene	0.100	1.00	0.100	1	U
Toluene	0.100	1.00	0.100	1	U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1	U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1	U
Trichloroethene	0.100	1.00	0.100	1	U
Trichlorofluoromethane	0.100	1.00	0.100	1	U
Vinyl chloride	0.330	1.00	5.04	1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2015.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Conc. Detected	DF	Conc. Qual.	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Count	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	308662	141409 - 565636	
Chlorobenzene-d5	677905	272627 - 1090508	
Fluorobenzene	1652025	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2011.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil.	Lab Qual	Validator Qual
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.12	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2011.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

	MDL		Concentration			
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	2.06	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.390	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	23.2	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2011.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	337128	141409 - 565636	
Chlorobenzene-d5	724360	272627 - 1090508	
Fluorobenzene	1801917	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2007.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
(m+p)-Xylene	0.200	2.00	18.8	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	9.57	1		
1,1,1-Trichloroethane	0.100	1.00	8.63	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	11.2	1		
1,1,2-Trichloroethane	0.160	1.00	10.6	1		
1,1-Dichloroethane	0.100	1.00	10.2	1		
1,1-Dichloroethene	0.160	1.00	8.96	1		
1,1-Dichloropropene	0.100	1.00	9.29	1		
1,2,3-Trichlorobenzene	0.100	1.00	11.0	1		
1,2,3-Trichloropropane	0.330	2.00	10.8	1		
1,2,4-Trichlorobenzene	0.100	1.00	10.4	1		
1,2,4-Trimethylbenzene	0.100	1.00	9.62	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	11.6	1		
1,2-Dibromoethane	0.160	1.00	10.1	1		
1,2-Dichlorobenzene	0.100	1.00	10.5	1		
1,2-Dichloroethane	0.160	0.500	9.82	1		
1,2-Dichloropropane	0.160	1.00	10.4	1		
1,3,5-Trimethylbenzene	0.100	1.00	9.19	1		
1,3-Dichlorobenzene	0.100	1.00	9.87	1		
1,3-Dichloropropane	0.100	0.500	10.4	1		
1,4-Dichlorobenzene	0.160	0.500	9.89	1		
1-Chlorohexane	0.160	1.00	9.81	1		
2,2-Dichloropropane	0.330	1.00	9.39	1		
2-Butanone	1.00	10.0	22.0	1		
2-Chlorotoluene	0.100	1.00	9.50	1		
4-Chlorotoluene	0.100	1.00	9.52	1		
4-Methyl-2-pentanone	1.00	10.0	23.6	1		
Acetone	1.00	10.0	28.3	1		
Benzene	0.100	0.500	9.67	1		
Bromobenzene	0.100	1.00	9.86	1		
Bromochloromethane	0.100	1.00	10.2	1		
Bromodichloromethane	0.100	0.500	9.60	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2016.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.60	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2006.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	CL	Concentration	DF	Qualifier	Reason
Xylenes (total)	0.300	2.00	28.6	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	95	72 - 119	
4-Bromofluorobenzene	105	78 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	431053	141409 - 565636	
Chlorobenzene-d5	792177	272627 - 1090508	
Fluorobenzene	1929438	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	762VM105B36LC	**Lab Sample ID:**	K1303139-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2016.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution Factor	Lab Qualifiers	Validation Qualifiers
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	2.15	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.390	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	25.5	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2016.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	CRL	MDL	Concentration	Dil. Fac.	RPD	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	95	81 - 120	

Internal Standard	Area Count	Area Control Limits	Qualifier
1,4-Dichlorobenzene-d4	296842	141409 - 565636	
Chlorobenzene-d5	643109	272627 - 1090508	
Fluorobenzene	1566246	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1660	**File ID:**	K2017.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qual
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.29	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2017.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	2.15	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	17.0	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1880	**File ID:**	K2017.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Critical Amount	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Control Limits	Qualifier
1,4-Dichlorobenzene-d4	293142	141409 - 565636	
Chlorobenzene-d5	646671	272627 - 1090508	
Fluorobenzene	1574645	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2019.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.1	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	762VM121D26LA	**Lab Sample ID:**	K1303139-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2019.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	PQL	Concentration	DF	Q	Lab Qual
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.110	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	3.79	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	19.2	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	762VM121D26LA	**Lab Sample ID:**	K1303139-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2019.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Flag	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qual
1,4-Dichlorobenzene-d4	290215	141409 - 565636	
Chlorobenzene-d5	658063	272627 - 1090508	
Fluorobenzene	1590497	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501LA	**Lab Sample ID:**	K1303139-009A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2020.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Conc	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.68	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501LA	**Lab Sample ID:**	K1303139-009A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2020.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501LA	**Lab Sample ID:**	K1303139-009A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2020.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Quant Limit	Dilution Factor	Qualifier	Validation Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	114	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Response	Control Limits	Qualifier
1,4-Dichlorobenzene-d4	274088	141409 - 565636	
Chlorobenzene-d5	606827	272627 - 1090508	
Fluorobenzene	1469226	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11601LA	**Lab Sample ID:**	K1303139-010A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2021.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	DL	RL	Result	Dilution	Flag	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	11.3	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801LA	**Lab Sample ID:**	K1303139-010A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2021.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Qual
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801LA	**Lab Sample ID:**	K1303139-010A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2021.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	PQL	MDL	Concentration	Dilution	Comment	Lab Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area	RT	Control Limits	Qualifier
1,4-Dichlorobenzene-d4	281765		141409 - 565636	
Chlorobenzene-d5	651774		272627 - 1090508	
Fluorobenzene	1589443		676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901LA	**Lab Sample ID:**	K1303139-011A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2022.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

	MDL	RL	Concentration	Dilution	Lab Flag	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	13.0	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901LA	**Lab Sample ID:**	K1303139-011A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2022.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	D	Comment	Qual
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901LA	**Lab Sample ID:**	K1303139-011A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2022.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Date	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	287172	141409 - 565636	
Chlorobenzene-d5	663640	272627 - 1090508	
Fluorobenzene	1614146	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2023.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

	MDL	RL	Concentration	Dilution	% Rec	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.79	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2023.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.330	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2023.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Calibration	Dilution	Concentration	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qual
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Limits	Qual
1,4-Dichlorobenzene-d4	287972	141409 - 565636	
Chlorobenzene-d5	644780	272627 - 1090508	
Fluorobenzene	1563336	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LF	**Lab Sample ID:**	K1303139-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2024.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	CRL	RL	Concentration	Dilution	Qualifier	Sub
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	13.3	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LF	**Lab Sample ID:**	K1303139-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2024.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Q	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.340	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LF	**Lab Sample ID:**	K1303139-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2024.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Data Flag
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	111	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	95	81 - 120	

Internal Standard	Area Counts	Area Control Limits	Qualifier
1,4-Dichlorobenzene-d4	281425	141409 - 565636	
Chlorobenzene-d5	629985	272627 - 1090508	
Fluorobenzene	1530808	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LR	**Lab Sample ID:**	K1303139-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2025.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Dil Fac	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.9	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LR	**Lab Sample ID:**	K1303139-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2025.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Q	DF	Result
Bromoform	0.330	1.00	0.330	1			U
Bromomethane	0.330	3.00	0.330	1			U
Carbon tetrachloride	0.100	1.00	0.100	1			U
Chlorobenzene	0.100	0.500	0.100	1			U
Chloroethane	0.330	1.00	0.330	1			U
Chloroform	0.100	0.500	0.100	1			U
Chloromethane	0.330	1.00	0.330	1			U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1			U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1			U
Dibromochloromethane	0.100	0.500	0.100	1			U
Dibromomethane	0.160	1.00	0.160	1			U
Dichlorodifluoromethane	0.100	1.00	0.100	1			U
Ethylbenzene	0.100	1.00	0.100	1			U
Hexachlorobutadiene	0.100	1.00	0.100	1			U
Isopropylbenzene	0.100	1.00	0.100	1			U
Methyl tert-butyl ether	0.160	5.00	0.160	1			U
Methylene chloride	0.160	1.00	0.240	1			F
n-Butylbenzene	0.100	1.00	0.100	1			U
n-Propylbenzene	0.100	1.00	0.100	1			U
Naphthalene	0.100	1.00	0.100	1			U
o-Xylene	0.100	1.00	0.100	1			U
p-Isopropyltoluene	0.160	1.00	0.160	1			U
sec-Butylbenzene	0.160	1.00	0.160	1			U
Styrene	0.100	1.00	0.100	1			U
tert-Butylbenzene	0.100	1.00	0.100	1			U
Tetrachloroethene	0.100	1.00	0.100	1			U
Toluene	0.100	1.00	0.100	1			U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1			U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1			U
Trichloroethene	0.100	1.00	0.100	1			U
Trichlorofluoromethane	0.100	1.00	0.100	1			U
Vinyl chloride	0.330	1.00	0.330	1			U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LR	**Lab Sample ID:**	K1303139-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2025.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Q Flag	Cal ref
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	114	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Contrl Limits	Qualifier
1,4-Dichlorobenzene-d4	291977	141409 - 565636	
Chlorobenzene-d5	666908	272627 - 1090508	
Fluorobenzene	1617121	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2036.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	DL	RL	Result	Dilution	Qualifier	MF
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.29	1		FB
Benzene	0.100	0.500	0.290	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7636LA	**Lab Sample ID:**	K1303151-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2036.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	LOQ	RL	Concentration	Dilution	Note	Q Code
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.830	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	4.39	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.590	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	12.8	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2036.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	PQL	MDL	Concentration	Dilution	Comments	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	%Rec	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	312071	141409 - 565636	
Chlorobenzene-d5	664704	272627 - 1090508	
Fluorobenzene	1629384	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2037.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte		RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.200	2		U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		U
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	11.2	2		FB
Benzene	0.200	1.00	0.340	2		F
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2037.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Cell	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	5.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	45.7	2		
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	0.320	2		U
Methylene chloride	0.320	2.00	0.540	2		F
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	4.12	2		
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	0.200	2		U
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	8.00	2		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2037.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil. Fact.	Comment	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	%Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Count	Control Limits	Qualifier
1,4-Dichlorobenzene-d4	297338	141409 - 565636	
Chlorobenzene-d5	634075	272627 - 1090508	
Fluorobenzene	1530860	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2038.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Data Qual
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.150	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.87	1		F B
Benzene	0.100	0.500	0.420	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2038.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Lab Qual
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.750	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	1.88	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.220	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	46.5	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2038.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Counts Limits	Qualifier
1,4-Dichlorobenzene-d4	291418	141409 - 565636	
Chlorobenzene-d5	649290	272627 - 1090508	
Fluorobenzene	1546349	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R25423
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	782VM9637LA	Lab Sample ID:	K1303151-004C	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1860	File ID:	K2039.D
Date Received:	14-Mar-13	Date Extracted:		Date Analyzed:	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comments	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.200	2		U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		U
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	8.76	2		FB
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2039.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MRL	RL	Concentration	Dilution	Date	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	0.200	2		U
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	11.2	2		
Methylene chloride	0.320	2.00	0.700	2		F
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	0.200	2		U
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	0.200	2		U
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	63.7	2		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2039.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil.	Lab Flag	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	QC Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	274375	141409 - 565636	
Chlorobenzene-d5	612996	272627 - 1090508	
Fluorobenzene	1478606	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2040.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Conc.	Dilution	Flag	Qual
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.450	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.4	1		B
Benzene	0.100	0.500	0.550	1		
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2040.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Result	Dilution	Comment	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	37.4	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.360	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	3.41	1		
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	30.6	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2040.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	PQL	Concentration	Dilution	Comment	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	276318	141409 - 565636	
Chlorobenzene-d5	621602	272827 - 1090508	
Fluorobenzene	1500450	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2041.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Qualification	Dilution	Remark	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.2	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2041.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Conc.	Dil.		Q
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.320	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2041.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Conc. Results	Dilution	Conc. Qual.	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	%Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	279665	141409 - 565636	
Chlorobenzene-d5	630996	272627 - 1090508	
Fluorobenzene	1512893	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LF	**Lab Sample ID:**	K1303151-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2042.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	PQL	Concentration	Dilution	Qualifiers	C Flag
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	20.4	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LF	**Lab Sample ID:**	K1303151-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2042.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	SQL	RL	Concentration	Dilution	Qualifier
Bromoform	0.330	1.00	0.330	1	U
Bromomethane	0.330	3.00	0.330	1	U
Carbon tetrachloride	0.100	1.00	0.100	1	U
Chlorobenzene	0.100	0.500	0.100	1	U
Chloroethane	0.330	1.00	0.330	1	U
Chloroform	0.100	0.500	0.100	1	U
Chloromethane	0.330	1.00	0.330	1	U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1	U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1	U
Dibromochloromethane	0.100	0.500	0.100	1	U
Dibromomethane	0.160	1.00	0.160	1	U
Dichlorodifluoromethane	0.100	1.00	0.100	1	U
Ethylbenzene	0.100	1.00	0.100	1	U
Hexachlorobutadiene	0.100	1.00	0.100	1	U
Isopropylbenzene	0.100	1.00	0.100	1	U
Methyl tert-butyl ether	0.160	5.00	0.160	1	U
Methylene chloride	0.160	1.00	0.360	1	F
n-Butylbenzene	0.100	1.00	0.100	1	U
n-Propylbenzene	0.100	1.00	0.100	1	U
Naphthalene	0.100	1.00	0.100	1	U
o-Xylene	0.100	1.00	0.100	1	U
p-Isopropyltoluene	0.160	1.00	0.160	1	U
sec-Butylbenzene	0.160	1.00	0.160	1	U
Styrene	0.100	1.00	0.100	1	U
tert-Butylbenzene	0.100	1.00	0.100	1	U
Tetrachloroethene	0.100	1.00	0.100	1	U
Toluene	0.100	1.00	0.100	1	U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1	U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1	U
Trichloroethene	0.100	1.00	0.100	1	U
Trichlorofluoromethane	0.100	1.00	0.100	1	U
Vinyl chloride	0.330	1.00	0.330	1	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LF	**Lab Sample ID:**	K1303151-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2042.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dil. Fact.	Det. Limit	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Acceptance Limits	Qualifier
1,2-Dichloroethane-d4	118	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	288260	141409 - 565636	
Chlorobenzene-d5	598546	272627 - 1090508	
Fluorobenzene	1429666	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LR	**Lab Sample ID:**	K1303151-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2043.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.68	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LR	**Lab Sample ID:**	K1303151-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2043.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	CAS No.	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.230	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LR	**Lab Sample ID:**	K1303151-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2043.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Xylenes (total)	0.300	2.00	0.300	1		U

[illegible]	[illegible]	[illegible]	[illegible]
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	94	81 - 120	

[illegible]	[illegible]	[illegible]	[illegible]
1,4-Dichlorobenzene-d4	263990	141409 - 565636	
Chlorobenzene-d5	595674	272627 - 1090508	
Fluorobenzene	1417364	676354 - 2705416	

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM8146LA	K1303139-001D
782VM10025LA	K1303139-002D
782VM10118LA	K1303139-003D
782VM10118LC	K1303139-004D
782VM105B36LA	K1303139-005D
782VM105B36LA	K1303139-005DMS
782VM105B36LA	K1303139-005DMSD
782VM105B36LC	K1303139-006D
782VM12116LA	K1303139-007D
782VM121D26LA	K1303139-008D
031213LE	K1303139-012D
782VM7636LA	K1303151-001D
782VM7840LA	K1303151-002D
782VM8440LA	K1303151-003D
782VM9637LA	K1303151-004D
782M1027LA	K1303151-005D
031313LE	K1303151-006D

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146LA	**Lab Sample ID:**	K1303139-001D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.83	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25460		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25460		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005DMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.500	1.00	11.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005DMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.500	1.00	12.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012D	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	762VM8440LA	**Lab Sample ID:**	K1303151-003D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	4.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1664		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006D	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM8146LA	K1303139-001B
782VM10025LA	K1303139-002B
782VM10118LA	K1303139-003B
782VM10118LC	K1303139-004B
782VM105B36LA	K1303139-005B
782VM105B36LA	K1303139-005BDUP
782VM105B36LA	K1303139-005BMS
782VM105B36LA	K1303139-005BMSD
782VM105B36LC	K1303139-006B
782VM12116LA	K1303139-007B
782VM121D26LA	K1303139-008B
031213LE	K1303139-012B

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SW9056	**AAB #:**	R25466
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
782VM7638LA	K1303151-001B
782VM7640LA	K1303151-002B
782VM8440LA	K1303151-003B
782VM9637LA	K1303151-004B
782M1027LA	K1303151-005B
031313LE	K1303151-006B

Comments:

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

Signature: [signature] Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SW9056	**AAB #:**	R25468
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
782VM10118LA	K1303139-003B
782VM10118LC	K1303139-004B
782VM12116LA DL	K1303139-007BDL
782VM121D26LA DL	K1303139-008BDL
782VM9637LA DL	K1303151-004BDL

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146LA	**Lab Sample ID:**	K1303139-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	13	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	8.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	2.0	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	33	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	34	1	
Nitrate (as N)	0.10	1.0	0.10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	5.0	10	210	10	

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25465		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	34	1	
Nitrate (as N)	0.10	1.0	0.10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	5.0	10	220	10	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.9	1	
Nitrate (as N)	0.10	1.0	0.15	1	F
Sulfate (as SO4)	0.50	1.0	12	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005BMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.500	1.00	13.8	1	
Nitrate (as N)	0.100	1.00	1.22	1	
Sulfate (as SO4)	0.500	1.00	20.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.9	1	
Nitrate (as N)	0.10	1.0	0.15	1	F
Sulfate (as SO4)	0.50	1.0	11	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005BMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.500	1.00	13.7	1	
Nitrate (as N)	0.100	1.00	1.19	1	
Sulfate (as SO4)	0.500	1.00	20.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	35	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	~~78~~ 130	15	J *

*Result transferred from dilution sample 782VM12116LA DL(1:5)

cwt
6/14/13

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116LA DL	**Lab Sample ID:**	K1303139-007BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier	
Sulfate (as SO4)	2.5	5.0	130	5		*

* Result transferred to original sample 782VM12116LA (1:1)

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6/14/13

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier	
Chloride	0.50	1.0	38	1		
Nitrate (as N)	0.10	1.0	0.10	1	U	
Sulfate (as SO4)	0.50	1.0	~~27~~ 130	~~1~~ 5	~~J~~	*

* Result transferred from dilution sample 782VM121D26LA DL (1:5)

CMA
6/14/13

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26LA DL	**Lab Sample ID:**	K1303139-008BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	130	5	

* result transferred to original sample 782VM121D26LA (1:1)

cwk 6/4/13

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	0.50	1	U
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25466	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	14-Mar-13

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

Analyte	MDL	PL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	27	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25466	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	11	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	8.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25466	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	14-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	24	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.71	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25466	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	14-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier	
Chloride	0.50	1.0	~~53~~ 63	~~1~~ 5	~~U~~	*
Nitrate (as N)	0.10	1.0	0.10	1	U	
Sulfate (as SO4)	0.50	1.0	0.50	1	U	

*Result transferred from dilution sample 782VM9637LA DL(1:5)

cdt
6/14/13

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637LA DL	**Lab Sample ID:**	K1303151-004BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	2.5	5.0	63	5	

* Result transferred to original Sample 782VM9637LA (1:1)

Cut
4/14/13

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25466	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	10	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.68	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25466		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	0.50	1	U
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM8146LA	K1303139-001A
782VM10025LA	K1303139-002A
782VM10118LA	K1303139-003A
782VM10118LC	K1303139-004A
782VM105B36LA	K1303139-005A
782VM105B36LA	K1303139-005ADUP
782VM105B36LC	K1303139-006A
782VM12116LA	K1303139-007A
782VM121D26LA	K1303139-008A
031213LE	K1303139-012A
782VM7638LA	K1303151-001A
782VM7840LA	K1303151-002A
782VM8440LA	K1303151-003A
782VM9637LA	K1303151-004A
782M1027LA	K1303151-005A
031313LE	K1303151-006A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146LA	**Lab Sample ID:**	K1303139-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	CRDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	210	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		AAB #:	R25390	
Lab Name:	Life Science Laboratories, Inc.		Contract #:		
Field Sample ID:	782VM10025LA	Lab Sample ID:	K1303139-002A	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	0		
Date Received:	13-Mar-13	Date Prepared:		Date Analyzed:	15-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	180	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	PL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	250	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	240	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B	**AAB #:**	R25390		
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	230	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualific
Alkalinity, as CaCO3	10	10	300	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	14-Mar-13	**Date Prepared:**		**Data Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	300	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	260	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	10	1	U

Comments:

FPM-GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Building 817
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Job # K1303152/1303176/1303205

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	12
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	March 13-15, 2013

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
WSAM0909LA	3/15/13		
WSAM1615LA	3/13/13	031413LE, 031413LF, 031413LR	3/14/13
WSAM1722LA	3/15/13		
WSAM1814LA	3/14/13		
WSAM1918LA	3/14/13		
WSAM2124LA	3/15/13		
817M0109LA	3/14/13		
817M0208LA	3/14/13		
817M0306LA	3/14/13		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
LA – Primary environmental samples
LE – Equipment blank
LF – Ambient blank
LR – Trip blank

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Dissolved Gases by Method RSK 175, Sulfate by Method SW9056, and Dissolved Organic Carbon by Method SM 5310 B.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)

- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

MISSING SAMPLES

None. All samples documented on the chain of custody were received by the laboratory.

SAMPLE LABELING

None. All samples documented on the chain of custody were labeled correctly.

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, in the following continuing calibration verification (CCV), analytes exhibited the following exceedances:

Type of Calibration Exceedance Affected Analytes	%D/ %RSD	AFCEE QC Limit	Flag Applied	Rationale
CCV-25428				
4-Methyl-2-pentanone	***23.3***	±20	None	%D greater than upper control limit; all associated results non-detect
1,2-Dibromo-2-chloropropane	***23.0***	±20	None	%D greater than upper control limit; all associated results non-detect
Hexachlorobutadiene	***22.9***	±20	None	%D greater than upper control limit; all associated results non-detect
CCV-25429				
Acetone	***22.2***	±20	None	Per AFCEE-approved variance, up to ±30% D acceptable
2-Butanone	***28.6***	±20	None	Per AFCEE-approved variance, up to ±30% D acceptable
4-Methyl-2-pentanone	***31.0***	±20	None	%D greater than upper control limit; all associated results non-detect
1,2-Dibromo-2-chloropropane	***24.1***	±20	None	%D greater than upper control limit; all associated results non-detect
Hexachlorobutadiene	***25.2***	±20	None	%D greater than upper control limit; all associated results non-detect

Corrective Action: When the exceedance showed increased sensitivity and associated results were non-detect, no flagging was deemed necessary. For bromomethane, no corrective action was required based on a project-specific variance of up to ±30% for CCV %D. It should be noted that 4-methyl-2-pentanone, 1,2-dibromo-2-chloropropane, hexachlorobutadiene, acetone, and 2-butanone are not considered site-specific contaminants of concern.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the reporting limit (RL). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
031313LE (from LSL Job #K1303151)	Acetone	10.2	10.0	WSAM1615LA
031313LF (from LSL Job #K1303151)	Acetone	20.4	10.0	WSAM1615LA
031313LR (from LSL Job #K1303151)	Acetone	8.68 F	10.0	WSAM1615LA

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
031413LE	Acetone	10.7	10.0	WSAM1814LA, WSAM1918LA
	Methylene Chloride	0.680 F	1.00	None; all associated field sample results non-detect
031413LF	Acetone	11.8	10.0	WSAM1814LA, WSAM1918LA
	Methylene Chloride	0.790 F	1.00	None; all associated field sample results non-detect
031413LR	Acetone	9.89 F	10.0	WSAM1814LA, WSAM1918LA
031513LE (from LSL Job #K1303206)	Acetone	6.35 F	10.0	WSAM0909LA, WSAM1722LA, WSAM2124LA
031513LE (from LSL Job #K1303206)	Methylene Chloride	0.710 F	1.00	None; all associated field sample results non-detect
031513LF (from LSL Job #K1303206)	Methylene Chloride	0.690 F	1.00	None; all associated field sample results non-detect
031513LR (from LSL Job #K1303206)	Acetone	10.3	10.0	WSAM0909LA, WSAM1722LA, WSAM2124LA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above the RL, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with AFCEE QAPP Version 4.0, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration (or 10x for common laboratory contaminants).

Corrective Action: For acetone, "B" flags were applied to the samples as listed above, since sample concentrations were less than 5x the blank concentration. For methylene chloride, no "B" flags were deemed necessary since all associated field sample results were reported non-detect.

DISSOLVED GASES

- There were no exceedances for the dissolved gases analyses.

WET CHEMISTRY ANALYSES

- According to the case narrative, several samples required dilutions after original results were above the calibration curve:

Analyte	Sample	Dilution
DOC	817M0208LA	1:21

Use diluted sample results for this compound only. Original sample results are modified accordingly.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Dissolved Gases

Based on the evaluation of all information in the analytical data groups, the results for dissolved gases are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Wet Chemistry

Based on the evaluation of all information in the analytical data groups, the wet chemistry results are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # K1303152/1303176/1303205 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Vasi Hoesel Date: 6/16/13

ATTACHMENTS

- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

Life Science Laboratories, Inc.

Date: *02-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1303152

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303152-001A	WSAM1615LA	WSA-MW16	3/13/2013	3/14/2013
K1303152-001B	WSAM1615LA	WSA-MW16	3/13/2013	3/14/2013
K1303152-001C	WSAM1615LA	WSA-MW16	3/13/2013	3/14/2013

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Life Science Laboratories, Inc.

Date: *02-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1303176

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303176-001A	817M0109LA	B817-MW-001	3/14/2013	3/15/2013
K1303176-002A	817M0208LA	B817-MW-002	3/14/2013	3/15/2013
K1303176-003A	817M0306LA	B817-MW-003	3/14/2013	3/15/2013
K1303176-004A	WSAM1814LA	WL-WSAMW-18	3/14/2013	3/15/2013
K1303176-004B	WSAM1814LA	WL-WSAMW-18	3/14/2013	3/15/2013
K1303176-004C	WSAM1814LA	WL-WSAMW-18	3/14/2013	3/15/2013
K1303176-005A	WSAM1918LA	WL-WSAMW-19	3/14/2013	3/15/2013
K1303176-005B	WSAM1918LA	WL-WSAMW-19	3/14/2013	3/15/2013
K1303176-005C	WSAM1918LA	WL-WSAMW-19	3/14/2013	3/15/2013
K1303176-006A	031413LE	FIELDQC	3/14/2013	3/15/2013
K1303176-006B	031413LE	FIELDQC	3/14/2013	3/15/2013
K1303176-006C	031413LE	FIELDQC	3/14/2013	3/15/2013
K1303176-007A	031413LF	FIELDQC	3/14/2013	3/15/2013
K1303176-008A	031413LR	FIELDQC	3/14/2013	3/15/2013

Life Science Laboratories, Inc.

Date: *02-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1303205

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303205-001A	WSAM0909LA	WSAMW-9	3/15/2013	3/18/2013
K1303205-001B	WSAM0909LA	WSAMW-9	3/15/2013	3/18/2013
K1303205-001C	WSAM0909LA	WSAMW-9	3/15/2013	3/18/2013
K1303205-002A	WSAM1722LA	WL-WSAVMW-17	3/15/2013	3/18/2013
K1303205-002B	WSAM1722LA	WL-WSAVMW-17	3/15/2013	3/18/2013
K1303205-002C	WSAM1722LA	WL-WSAVMW-17	3/15/2013	3/18/2013
K1303205-003A	WSAM2124LA	WL-WSAMW-21	3/15/2013	3/18/2013
K1303205-003B	WSAM2124LA	WL-WSAMW-21	3/15/2013	3/18/2013
K1303205-003C	WSAM2124LA	WL-WSAMW-21	3/15/2013	3/18/2013

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1303152, K1303176 and K1303205
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 3/26/13

Supervisor/Reviewed by (Initials/Date): 3/26/13

QA/QC Review (Initials/Date): 4/2/13

File Name: U:\Narratives\MSVoa\K1303152msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25428	MSK	4-Methyl-2-pentanone	23.3		1
		1,2-Dibromo-2-chloropropane	23.0		1
		Hexachlorobutadiene	22.9		1
CCV-25429	MSK	Acetone	22.2		2
		2-Butanone	28.6		2
		4-Methyl-2-pentanone	31.0		1
		1,2-Dibromo-2-chloropropane	24.1		1
		Hexachlorobutadiene	25.2		1

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1303152, K1303176 and K1303205
Methodology:	8260B

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

2 Project variance allows +/- 30% difference (%D) for this compound.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

GC/MS Semi-volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1303152
Methodology:	RSK-175

Analyzed/Reviewed by (Initials/Date): [illegible] 4/1/13

Supervisor/Reviewed by (Initials/Date): [illegible] 4/1/13

QA/QC Review (Initials/Date): JK 4/2/13

File Name: U:\Narratives\GCSemi\K1303152RSKnar.doc

Dissolved Gases by RSK-175

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
All laboratory control samples met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1303152, K1303176, K1303205
Methodology:	Dissolved Organic Carbon – SM 5310 B Sulfate – SW 9056

Analyzed/Reviewed by (Date/Initials): 3-31-13 MT

Supervisor/Reviewed by (Date/Initials): 3-31-13 MT

QA/QC Review (Date/Initials): 4/2/13 CK

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

K1303152

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _287_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001 WSAM1615LA	WSA-MW16	3/13	1612	WG	BP	N	0/0	7	3	1	1	2	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1.0° on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)		Date: 3/14/13	#3 Released by: (Sig)		Date:
Company Name:	Time:	Company Name: FPM Group Ltd		Time: 11:36	Company Name:		Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)		Date: 3/14/13	#3 Received by: (Sig)		Date: 3-14-13
Company Name: FPM Group Ltd	Time: 1000	Company Name:	LSL	Time: 11:27	Company Name:	LSL	Time: 15:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

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K1303176

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Name: Josh Wenzel Niels van Hoesel for Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	817M0109LA	B817-MW-001	3/14	1130	WG	B	N	0/0	1	-	-	1	-	
002	817M0208LA	B817-MW-002	3/14	1214	WG	B	N	0/0	1	-	-	1	-	
003	817M0306LA	B817-MW-003	3/14	1448	WG	B	N	0/0	1	-	-	1	-	
004	WSAM1814LA	WL-WSAMW-18	3/14	1542	WG	BP	N	0/0	7	3	1	1	2	
005	WSAM1918LA	WL-WSAMW-19	3/14	1125	WG	BP	N	0/0	7	3	1	1	2	
006	031413LE	FIELDQC	3/14	1620	WQ	BP	EB	0/0	7	3	1	1	2	
007	031413LF	FIELDQC	3/14	1630	WQ	NA	AB	0/0	3	3	-	-	-	
008	031413LR	FIELDQC	3/14	0830	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1°C

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/15/13	#3 Released by: (Sig) Bill Donaldson	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 11:00 am	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson	Date: 3/15/13	#3 Received by: (Sig)	Date: 3-15-13
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 11:00	Company Name: LSL	Time: 14:30

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

K1303205

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
WSAM0909LA	WSAMW-9	3/15	1053	WG	BP	N	0/0	7	3	1	1	2	
WSAM1722LA	WL-WSAVMW-17	3/15	1531	WG	BP	N	0/0	7	3	1	1	2	
WSAM2124LA	WL-WSAMW-21	3/15	1303	WG	BP	N	0/0	7	3	1	1	2	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1.0 °C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/18/13	#3 Released by: (Sig) Bill Donellan	Date: 3-18-13
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 10:42	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donellan	Date: 3-18-13	#3 Received by: (Sig)	Date: 3-18-13
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 10:45	Company Name: LSL	Time: 15:30

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

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AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method:	SW8260B	**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
WSAM1615LA	K1303152-001B
WSAM1814LA	K1303176-004B
WSAM1916LA	K1303176-005B
031413LE	K1303176-006B
031413LF	K1303176-007A
031413LR	K1303176-008A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM0909LA	K1303205-001B
WSAM1722LA	K1303205-002B
WSAM2124LA	K1303205-003B

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2054.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.320	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	15.0	1		B1
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

cwf
6/15/13

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2054.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.170	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	32.6	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	34.0	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2054.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	290409	141409 - 565636	
Chlorobenzene-d5	667978	272627 - 1090508	
Fluorobenzene	1623193	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2055.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.340	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.68	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

CLA 6/15/13

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2055.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	31.4	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	30.6	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2055.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	291639	141409 - 565636	
Chlorobenzene-d5	655072	272627 - 1090508	
Fluorobenzene	1605936	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2061.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.190	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	11.4	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25426
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2061.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.140	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	33.9	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	41.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2061.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	104	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	263856	141409 - 565636	
Chlorobenzene-d5	559007	272627 - 1090508	
Fluorobenzene	1321901	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R25428
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	031413LE	Lab Sample ID:	K1303176-006B	Matrix:	Water Q
% Solids:	0	Initial Calibration ID:	1860	File ID:	K2062.D
Date Received:	15-Mar-13	Date Extracted:		Date Analyzed:	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.7	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2062.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.680	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.160	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2062.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	118	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	238780	141409 - 565636	
Chlorobenzene-d5	596737	272627 - 1090508	
Fluorobenzene	1714565	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LF	**Lab Sample ID:**	K1303176-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2058.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	11.8	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LF	**Lab Sample ID:**	K1303176-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2058.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.790	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LF	**Lab Sample ID:**	K1303176-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2058.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	114	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	282014	141409 - 565636	
Chlorobenzene-d5	646860	272627 - 1090508	
Fluorobenzene	1577711	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R25428
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	031413LR	Lab Sample ID:	K1303176-008A	Matrix:	Water Q
% Solids:	0	Initial Calibration ID:	1660	File ID:	K2059.D
Date Received:	15-Mar-13	Date Extracted:		Date Analyzed:	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.89	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LR	**Lab Sample ID:**	K1303176-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2059.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.230	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LR	**Lab Sample ID:**	K1303176-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2059.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	111	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	276844	141409 - 565636	
Chlorobenzene-d5	623104	272627 - 1090508	
Fluorobenzene	1480166	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2090.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.70	1		F13
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2090.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2090.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	273013	141409 - 565636	
Chlorobenzene-d5	640896	272627 - 1090508	
Fluorobenzene	1508093	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2091.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	5.58	1		F B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2091.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.130	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	8.85	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	12.6	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2091.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	92	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	274102	141409 - 565636	
Chlorobenzene-d5	625630	272627 - 1090508	
Fluorobenzene	1472015	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2092.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.30	1		F B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

CMA
6/15/13

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2092.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.140	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.610	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	10.1	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2092.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	262873	141409 - 565636	
Chlorobenzene-d5	608326	272627 - 1090508	
Fluorobenzene	1435822	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM1615LA	K1303152-001B
WSAM1814LA	K1303176-004B
WSAM1918LA	K1303176-005B
031413LE	K1303176-006B
WSAM0909LA	K1303205-001B
WSAM1722LA	K1303205-002B
WSAM2124LA	K1303205-003B

Comments:

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

Signature: [signature] Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032505.rst
Date Received:	14-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	36.18 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.99	2.1	0.99	1		U
Ethene	0.74	1.8	0.74	1		U
Methane	0.50	1.8	0.50	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032506.rst
Date Received:	15-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	38.11 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.94	2.0	0.94	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.47	1.7	0.47	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032507.rst
Date Received:	15-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	38.25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.94	2.0	0.94	1		U
Ethene	0.70	1.7	0.70	1		U
Methane	0.47	1.7	0.47	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032508.rst
Date Received:	15-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	38.49 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.93	2.0	0.93	1		U
Ethene	0.70	1.7	0.70	1		U
Methane	0.47	1.7	0.47	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032509.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.67 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.48	1.7	0.48	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032510.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.43 mL

Analyte	MDL	RL	Concentration	Dilution	Control	Qualifier
Ethane	0.96	2.1	0.96	1		U
Ethene	0.72	1.7	0.72	1		U
Methane	0.48	1.7	0.48	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032511.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.9 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.47	1.7	6.7	1		

Comments:

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WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SM 5310 B	**AAB #:**	R25461
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
WSAM1615LA	K1303152-001C
817M0109LA	K1303176-001A
817M0208LA	K1303176-002A
817M0208LA DL	K1303176-002ADL
817M0306LA	K1303176-003A
WSAM1814LA	K1303176-004C
WSAM1918LA	K1303176-005C
031413LE	K1303176-006C
WSAM0909LA	K1303205-001C
WSAM1722LA	K1303205-002C
WSAM2124LA	K1303205-003C

Comments:

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

Signature: Anthony Crescenzi

Name: Anthony Crescenzi

Date: 4-2-13

Title: Project Manager

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0109LA	**Lab Sample ID:**	K1303176-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	4.3	1	

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0208LA	**Lab Sample ID:**	K1303176-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier	
Dissolved organic carbon (DOC)	0.50	1.0	~~200~~ 230	~~1~~ 21	~~J~~	*

*Results transferred from dilution sample 817M0208LA DL(1:21)

CLG
6/15/13

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0208LA DL	**Lab Sample ID:**	K1303176-002ADL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier	
Dissolved organic carbon (DOC)	10	21	230	21		*

*Result transferred to original Sample 817M0205LA

CMF
6/15/13

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0306LA	**Lab Sample ID:**	K1303176-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.61	1	F

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.61	1	F

Comments:

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25468

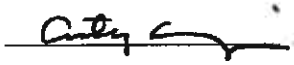
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM1615LA	K1303152-001A
WSAM1814LA	K1303176-004A
WSAM1918LA	K1303176-005A
031413LE	K1303176-006A
WSAM0909LA	K1303205-001A
WSAM1722LA	K1303205-002A
WSAM2124LA	K1303205-003A

Comments:

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Signature:  Name: Anthony Crescenzi

Date: 9-2-13 Title: Project Manager

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	9.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	12	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	8.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	20	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	5.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	18	1	

Comments:

FPM-GROUP
Data Verification and Usability Report
GRIFFISS AIR FORCE BASE
Site On-Base Groundwater AOC, Landfill 6
Performance Monitoring
Contract No. W912DQ-06-D-0012

FPM Project No. 717-06-03

LSL Job # K1303206/K1303232

Laboratory:	Life Sciences Laboratories, Inc.
Sample Matrix:	Water
Number of Samples:	21
Analytical Protocol:	AFCEE QAPP, Version 4.0, with AFCEE-approved lab variances
Data Reviewer:	Connie van Hoesel
Sample Date:	March 15 and 18, 2013

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
LF6VM13R31LA	3/18/13		
LF6VM13RD35LA	3/18/13		
LF6M1645LA	3/15/13		
LF6M1750LA	3/15/13	LF6M1750LC	3/15/13
LF6M2046LA	3/15/13		
LF6VM2650LA	3/15/13		
LF6M3145LA	3/15/13	031513LE, 031513LF, 031513LR	3/15/13
LF6T3306LA	3/18/13		
LF6T3406LA	3/18/13		
LF6T3506LA	3/18/13		
LF6T3606LA	3/18/13		
LF6T3807LA	3/18/13		
LF6M3920LA	3/18/13	031813LE, 031813LF, 031813LR	3/18/13
LF6SW01PM01LA	3/18/13		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
LA – Primary environmental samples
LC – Field duplicate sample
LE – Equipment blank
LF – Ambient blank
LR – Trip blank

DELIVERABLES

The data deliverable report was per requirements of the AFCEE QAPP 4.0 and approved variances. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the groundwater sample analysis was per methods as specified in the AFCEE Quality Assurance Project Plan, Version 4.0 and AFCEE approved laboratory variances. The analytical methods employed included SW-846: Volatile Organic Compounds (VOCs) by Method SW8260, Dissolved Gases by Method RSK 175, Sulfate by Method SW9056, and Dissolved Organic Carbon (DOC) by Method SM 5310 B.

VERIFICATION GUIDANCE

The analytical work was performed by Life Sciences Laboratories, Inc. in accordance with the Air Force Center for Environmental Excellence (AFCEE), Quality Assurance Project Plan (QAPP), Version 4.0, with AFCEE-approved laboratory variances. The data was verified according to the protocols and QC requirements of the respective analytical methods and of the QAPP Version 4.0. For data usability purposes all values were further evaluated, including positive and non-detect results that were qualified "Q" according to the QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the U.S. Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic (and Inorganic) Data Review (February 1994), and the AFCEE QAPP, Version 4.0.

QA/QC CRITERIA

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and reporting limits (MDL, RL)
- Holding times, sample preservation and storage
- MS tune performance
- Initial and Continuing calibration summaries
- Second source calibration verification summary
- Method blanks
- Ambient, equipment, and trip blanks (as applicable)
- Field duplicate results
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)

- Results reported between MDL and RL (F-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with AFCEE QAPP and USEPA criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

BLANKS

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between MDL and RL), the laboratory and/or data verifier qualified the subject results with an "F" flag. Since no qualification of associated field samples are required for blanks less than half the RL, no further action was taken in such instances.

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each AFCEE analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are rejected (flagged "R"). Note that the QAPP also allows for up to three marginal exceedances of LCS control limits for an LCS with 64 analytes.

Corrective Action: Using professional judgment, although the %Rec exceeded the upper control limit, since associated results were reported non-detect, no further corrective action was deemed necessary.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits (i.e., 20% for aqueous samples). If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and estimated ("UJ") for non-detects. However, using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("UJ") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

  The following table summarizes the relative percent differences (RPD's) of field duplicate samples LF6VM1750LA/LC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	RL (µg/L)	RPD	Flag Applied	Rationale
LF6VM1750LA	LF6VM1750LC	cis-1,2-DCE	206	224	10.0	8.4	None	RPD < 20%
LF6VM1750LA	LF6VM1750LC	trans-1,2-DCE	95.5	104	10.0	8.5	None	RPD < 20%
LF6VM1750LA	LF6VM1750LC	TCE	204	202	10.0	1.0	None	RPD < 20%

  Corrective Action: There were no RPD exceedances for any analyte in duplicate sample set LF6VM1750LA/LC.

- The following blank sample analyses indicated blank contaminants present at concentrations equal to or greater than half the reporting limit (RL). The Blank ID, detected contaminant, and concentration are listed.

Blank ID	Analyte	Concentration (µg/L)	Reporting Limit (µg/L)	Samples Affected
031513LE	Acetone	6.35 F	10.0	LF6M1750LC, LF6VM2650LA, LF6M3145LA
031513LE	Methylene Chloride	0.710 F	1.00	LF6M1750LC, LF6M2046LA
031513LF	Methylene Chloride	0.690 F	1.00	LF6M1750LC, LF6M2046LA
031513LR	Acetone	10.3	10.0	LF6M1750LC, LF6VM2650LA, LF6M3145LA
031813LE	Acetone	9.59 F	10.0	LF6VM13R31LA, LF6VM13RD35LA, LF6T3306LA, LF6T3406LA, LF6T3506LA, LF6T3807LA, LF6M3920LA, LF6SW01PM01LA
031813LF	Acetone	7.59 F	10.0	LF6VM13R31LA, LF6VM13RD35LA, LF6T3306LA, LF6T3406LA, LF6T3506LA, LF6T3807LA, LF6M3920LA, LF6SW01PM01LA
031813LF	Methylene Chloride	0.530 F	1.00	LF6T3306LA, , LF6T3406LA, LF6T3606LA, LF6T3807LA
031813LR	Acetone	13.0	10.0	LF6VM13R31LA, LF6VM13RD35LA, LF6T3306LA, LF6T3406LA, LF6T3506LA, LF6T3807LA, LF6M3920LA, LF6SW01PM01LA

The purpose of laboratory, equipment or trip blank analysis is to determine the existence and magnitude of contamination resulting from lab or field activities. If contamination is found in blanks the associated sample results for these analytes may be considered suspect. As per the QAPP, based on the blank contaminants present above the RL, results for the specific analytes in the associated environmental samples are qualified with a "B" flag. However, in accordance with the EPA National Functional Guidelines and consistent with AFCEE QAPP Version 4.0, the "B" flag is **not** applied for sample results that are greater than five times (5x) the blank concentration. Thus the "B" flag is only applied to those samples for which the sample result is positive and less than five times (5x) the blank concentration (or 10x for common laboratory contaminants).

Corrective Action: "B" flags were applied to the acetone and methylene chloride results in the field samples listed above. It appears the likely source of contamination may be in the source of blank water used to collect the blank samples, or the laboratory itself (since both acetone and methylene chloride are common laboratory contaminants).

DISSOLVED GASES

- According to the case narrative, the following analytes were analyzed at initial dilutions:

Sample	Dilution
LF6T3306LA	1:5
LF6M1645LA	1:200
LF6M1750LA	1:5
LF6M1750LC	1:2
LF6M2046LA	1:200
LF6T3606LA	1:2

The dilution results only are reported and are used in data verification as representing original results.

- According to the case narrative, sample LF6T3306LA required a dilution at 1:5 after original results (at 1:1) for methane were above the calibration curve. Use diluted sample results for this compound only. Original sample results are modified accordingly.

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
LSL Job # K1303206/1303232: LCS/LCSD 16789				
LCS: Ethene	***64***	65-115	UJ	%Rec < lower control limit; associated results non-detect
LCSD: Ethene	71			

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each AFCEE analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are rejected (flagged "R"). Note that the QAPP also allows for up to three marginal exceedances of LCS control limits for an LCS with 64 analytes.

Corrective Action: Using professional judgment, since the exceedance was marginal, the associated results (all of which were non-detect) are deemed usable, albeit estimated, and are flagged "UJ."

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits. If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and rejected ("R") for nondetects. Using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("R") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

  The following table summarizes the relative percent differences (RPD's) of field duplicate samples LF6VM1750LA/LC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/L)	Field Dup Result (µg/L)	RL (µg/L)	RPD	Flag Applied	Rationale
LF6VM1750LA	LF6VM1750LC	Methane	72	45	8.6, 3.5	***46.2***	J	RPD > 20%

  Corrective Action: "J' qualifiers were applied to the methane results for parent samples LF6VM1750LA/LC only due to the RPD exceedance, as discussed above.

WET CHEMISTRY ANALYSES

- According to the case narrative, the following analytes were analyzed at initial dilutions:

Analyte	Sample	Dilution
Sulfate	LF6VM13R31LA	1:5
	LF6VM13RD35LA	1:5
	LF6M1645LA	1:5
	LF6M1750LA	1:5
	LF6M1750LC	1:5
	LF6VM2650LA	1:5
	LF6M2046LA	1:5
	LF6M3145LA	1:5
	LF6T3306LA	1:5
	LF6T3406LA	1:5
	LF6T3506LA	1:5
	LF6T3606LA	1:5
	LF6T3807LA	1:5
	LF6SW01PM01LA	1:5

  The dilution results only are reported and are used in data verification as representing original results.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The AFCEE QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed AFCEE QAPP's RPD control limits. If these conditions are met for any analytes in the field duplicate samples, per the AFCEE QAPP, the specific analytes in all samples collected on the same sampling date are to be qualified as estimated ("J") for positive results and rejected ("R") for nondetects. Using professional judgment, it is deemed inappropriate to consider any set of field duplicate samples to be truly representative of a site or sampling event. Therefore, if qualification of data is needed, then only the parent-duplicate sample set will be qualified as estimated ("J") for positive results and rejected ("R") for non-detects, and no action will be taken for this criterion in all the other samples collected on the same sampling date.

  The following table summarizes the relative percent differences (RPD's) of field duplicate samples LF6VM1750LA/LC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (mg/L)	Field Dup Result (mg/L)	RL (mg/L)	RPD	Flag Applied	Rationale
LF6VM1750LA	LF6VM1750LC	Sulfate	67	67	5.0	0	None	RPD < 20%
LF6VM1750LA	LF6VM1750LC	DOC	1.9	1.9	1.0	0	None	RPD < 20%

  Corrective Action: There were no RPD exceedances in parent sample set LF6VM1750LA/LC, so no qualification is deemed necessary.

DATA USABILITY RESULTS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Dissolved Gases

Based on the evaluation of all information in the analytical data groups, the dissolved gases results are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

Wet Chemistry

Based on the evaluation of all information in the analytical data groups, the wet chemistry results are highly usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

AFCEE SUMMARY

All data in Job # K1303206/K1303232 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 6/11/13

ATTACHMENTS

- Chain of Custody
- Laboratory's Case Narratives
- Qualified final data verification results on annotated Lab Sheet 2s

Life Science Laboratories, Inc.

Date: *03-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - LF6-Performance
Lab Order: K1303206

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303206-001A	LF6M1645LA	LF6MW-16	3/15/2013	3/18/2013
K1303206-001B	LF6M1645LA	LF6MW-16	3/15/2013	3/18/2013
K1303206-001C	LF6M1645LA	LF6MW-16	3/15/2013	3/18/2013
K1303206-002A	LF6M1750LA	LF6MW-17	3/15/2013	3/18/2013
K1303206-002B	LF6M1750LA	LF6MW-17	3/15/2013	3/18/2013
K1303206-002C	LF6M1750LA	LF6MW-17	3/15/2013	3/18/2013
K1303206-003A	LF6M1750LC	LF6MW-17	3/15/2013	3/18/2013
K1303206-003B	LF6M1750LC	LF6MW-17	3/15/2013	3/18/2013
K1303206-003C	LF6M1750LC	LF6MW-17	3/15/2013	3/18/2013
K1303206-004A	LF6M2046LA	LF6MW-20	3/15/2013	3/18/2013
K1303206-004B	LF6M2046LA	LF6MW-20	3/15/2013	3/18/2013
K1303206-004C	LF6M2046LA	LF6MW-20	3/15/2013	3/18/2013
K1303206-005A	LF6VM2650LA	WL-LF6VMW-26	3/15/2013	3/18/2013
K1303206-005B	LF6VM2650LA	WL-LF6VMW-26	3/15/2013	3/18/2013
K1303206-005C	LF6VM2650LA	WL-LF6VMW-26	3/15/2013	3/18/2013
K1303206-006A	LF6M3145LA	LF6MW-31	3/15/2013	3/18/2013
K1303206-006B	LF6M3145LA	LF6MW-31	3/15/2013	3/18/2013
K1303206-006C	LF6M3145LA	LF6MW-31	3/15/2013	3/18/2013
K1303206-007A	031513LE	FIELDQC	3/15/2013	3/18/2013
K1303206-007B	031513LE	FIELDQC	3/15/2013	3/18/2013
K1303206-007C	031513LE	FIELDQC	3/15/2013	3/18/2013
K1303206-008A	031513LF	FIELDQC	3/15/2013	3/18/2013
K1303206-009A	031513LR	FIELDQC	3/15/2013	3/18/2013

Life Science Laboratories, Inc.

Date: *03-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - LF6-Performance
Lab Order: K1303232

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303232-001A	LF6VM13R31LA	LF6VMW-13R	3/18/2013	3/20/2013
K1303232-001B	LF6VM13R31LA	LF6VMW-13R	3/18/2013	3/20/2013
K1303232-001C	LF6VM13R31LA	LF6VMW-13R	3/18/2013	3/20/2013
K1303232-002A	LF6VM13RD35LA	LF6VMW-13RD	3/18/2013	3/20/2013
K1303232-002B	LF6VM13RD35LA	LF6VMW-13RD	3/18/2013	3/20/2013
K1303232-002C	LF6VM13RD35LA	LF6VMW-13RD	3/18/2013	3/20/2013
K1303232-003A	LF6T3306LA	WL-LF6TW-33	3/18/2013	3/20/2013
K1303232-003B	LF6T3306LA	WL-LF6TW-33	3/18/2013	3/20/2013
K1303232-003C	LF6T3306LA	WL-LF6TW-33	3/18/2013	3/20/2013
K1303232-004A	LF6T3406LA	WL-LF6TW-34	3/18/2013	3/20/2013
K1303232-004B	LF6T3406LA	WL-LF6TW-34	3/18/2013	3/20/2013
K1303232-004C	LF6T3406LA	WL-LF6TW-34	3/18/2013	3/20/2013
K1303232-005A	LF6T3506LA	WL-LF6TW-35	3/18/2013	3/20/2013
K1303232-005B	LF6T3506LA	WL-LF6TW-35	3/18/2013	3/20/2013
K1303232-005C	LF6T3506LA	WL-LF6TW-35	3/18/2013	3/20/2013
K1303232-006A	LF6T3606LA	WL-LF6TW-36	3/18/2013	3/20/2013
K1303232-006B	LF6T3606LA	WL-LF6TW-36	3/18/2013	3/20/2013
K1303232-006C	LF6T3606LA	WL-LF6TW-36	3/18/2013	3/20/2013
K1303232-007A	LF6T3807LA	WL-LF6TW-38	3/18/2013	3/20/2013
K1303232-007B	LF6T3807LA	WL-LF6TW-38	3/18/2013	3/20/2013
K1303232-007C	LF6T3807LA	WL-LF6TW-38	3/18/2013	3/20/2013
K1303232-008A	LF6M3920LA	LF6MW-39	3/18/2013	3/20/2013
K1303232-008B	LF6M3920LA	LF6MW-39	3/18/2013	3/20/2013
K1303232-008C	LF6M3920LA	LF6MW-39	3/18/2013	3/20/2013
K1303232-009A	LF6SW01PM01LA	LF6SW-1PM	3/18/2013	3/20/2013
K1303232-009B	LF6SW01PM01LA	LF6SW-1PM	3/18/2013	3/20/2013
K1303232-009C	LF6SW01PM01LA	LF6SW-1PM	3/18/2013	3/20/2013
K1303232-010A	031813LE	FIELDQC	3/18/2013	3/20/2013
K1303232-010B	031813LE	FIELDQC	3/18/2013	3/20/2013
K1303232-010C	031813LE	FIELDQC	3/18/2013	3/20/2013
K1303232-011A	031813LF	FIELDQC	3/18/2013	3/20/2013
K1303232-012A	031813LR	FIELDQC	3/18/2013	3/20/2013

Life Science Laboratories, Inc.

Lab Order: K1303206
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303206-001A	LF6M1645LA	3/15/2013 11:10:00 AM	Groundwater	Inorganic anions by IC			3/28/2013
K1303206-001B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-001C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-002A	LF6M1750LA	3/15/2013 11:44:00 AM		Inorganic anions by IC			3/28/2013
K1303206-002B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-002C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-003A	LF6M1750LC			Inorganic anions by IC			3/28/2013
K1303206-003B				Dissolved Gases by GC/FID		3/26/2013	3/26/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-003C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-004A	LF6M2046LA	3/15/2013 10:36:00 AM		Inorganic anions by IC			3/28/2013
K1303206-004B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-004C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-005A	LF6VM2650LA	3/15/2013 3:34:00 PM		Inorganic anions by IC			3/28/2013
K1303206-005B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-005C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-006A	LF6M3145LA	3/15/2013 2:22:00 PM		Inorganic anions by IC			3/28/2013
K1303206-006B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-006C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-007A	031513LE	3/15/2013 4:30:00 PM	Water Q	Inorganic anions by IC			3/28/2013
K1303206-007B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-007C				Dissolved organic carbon (DOC)			3/28/2013

Client: FPM
Project/Order: Griffiss AFB – LF6-Performance
Work Order #: K1303206 and K1303232
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): LS 3/26/13
Supervisor/Reviewed by (Initials/Date): LW 3/26/13
QA/QC Review (Initials/Date): JK 4/2/13

File Name: U:\Narratives\MSVoa\K1303206msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-25437	Hexachlorobutadiene	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25429	MSK	Acetone	22.2		2
		2-Butanone	28.6		2
		4-Methyl-2-pentanone	31.0		1
		1,2-Dibromo-2-chloropropane	24.1		1

Client: FPM
Project/Order: Griffiss AFB – LF6-Performance
Work Order #: K1303206 and K1303232
Methodology: 8260B

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25429	MSK	Hexachlorobutadiene	25.2		1
CCV-25437	MSK	Chloromethane	26.3		1
		Vinyl chloride	24.8		1
		Hexachlorobutadiene	23.3		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

2 Project variance allows +/- 30% difference (%D) for this compound.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

GC/MS Semi-volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – LF6-Performance
Work Order #:	K1303206 and K1303232
Methodology:	RSK-175

Analyzed/Reviewed by (Initials/Date): CM 4/2/13

Supervisor/Reviewed by (Initials/Date): CM 4/2/13

QA/QC Review (Initials/Date): JK 4/2/13

File Name: U:\Narratives\GCSemi\K1303206RSKnar.doc

Dissolved Gases by RSK-175

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-16789	Ethene	1

1 The LCS recovery of 64% marginally exceeded the lower control limit. The recovery for the associated LCSD was within the control limits. Samples associated with LCS-16789 were appropriately qualified.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – LF6-Performance
Work Order #:	K1303206, K1303232
Methodology:	Sulfate - Ion Chromatography - SW9056 Dissolved Organic Carbon – SM 5310 B

Analyzed/Reviewed by (Date/Initials): 3-31-13 mg

Supervisor/Reviewed by (Date/Initials): 3-31-13 mg

QA/QC Review (Date/Initials): 4/1/13 JL

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

K1303206

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288/9_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6M1645LA	LF6MW-16	3/15	1110	WG	BP	N	0/0	7	3	1	1	2	
002	LF6M1750LA	LF6MW-17	3/15	1144	WG	BP	N	0/0	7	3	1	1	2	
003	LF6M1750LC	LF6MW-17	3/15	1144	WG	BP	FD	0/0	7	3	1	1	2	
004	LF6M2046LA	LF6MW-20	3/15	1036	WG	BP	N	0/0	7	3	1	1	2	
005	LF6VM2650LA	WL-LF6VMW-26	3/15	1534	WG	BP	N	0/0	7	3	1	1	2	
006	LF6M3145LA	LF6MW-31	3/15	1422	WG	BP	N	0/0	7	3	1	1	2	
007	031513LE	FIELDQC	3/15	1630	WQ	BP	EB	0/0	7	3	1	1	2	
008	031513LF	FIELDQC	3/15	1440	WQ	NA	AB	0/0	3	3	-	-	-	
009	031513LR	FIELDQC	3/15	0920	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1.0 °C on Ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

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K 1303206

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date 3/18/13	#3 Released by: (Sig) Bill Donaldson	Date: 3-18-13
Company Name:	Time:	Company Name: FPM	Time: 10:42	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson	Date: 3-18-13	#3 Received by: (Sig)	Date: 3-18-13
Company Name: FPM remediations	Time: 3/15/2013	Company Name: Life Science Labs	Time: 10:45	Company Name: ESL	Time: 15:30

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

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K1303232

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288/9_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Josh Wenzel	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: Katharine Mattice	

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6VM13R31LA	LF6VMW-13R	3/18	1124	WG	BP	N	0/0	7	3	1	1	2	
002	LF6VM13RD35LA	LF6VMW-13RD	3/18	1056	WG	BP	N	0/0	7	3	1	1	2	
003	LF6T3306LA	LF6TW-33	3/18	1117	WG	B	N	0/0	7	3	1	1	2	
004	LF6T3406LA	LF6TW-34	3/18	1151	WG	B	N	0/0	7	3	1	1	2	
005	LF6T3506LA	LF6TW-35	3/18	1339	WG	B	N	0/0	7	3	1	1	2	
006	LF6T3606LA	LF6TW-36	3/18	1430	WG	B	N	0/0	7	3	1	1	2	
007	LF6T3807LA	LF6TW-38	3/18	1455	WG	B	N	0/0	7	3	1	1	2	
008	LF6M3920LA	LF6MW-39	3/18	1358	WG	BP	N	0/0	7	3	1	1	2	
009	LF6SW01PM01LA	LF6SW-1PM	3/18	1020	WG	G	N	0/0	7	3	1	1	2	
010	031813LE	FIELDQC	3/18	1548	WQ	BP	EB	0/0	7	3	1	1	2	
011	031813LF	FIELDQC	3/18	1440	WQ	NA	AB	0/0	3	3	-	-	-	
012	031813LR	FIELDQC	3/18	0920	WQ	NA	TB	0/0	2	2	-	-	-	

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Sample Condition Upon Receipt at Laboratory:	Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1030	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)	Date: 3-20-13	#3 Received by: (Sig)	Date: 3-20-13
Company Name: FPM remediations	Time: 1000	Company Name: Life Science Labs	Time: 10:30	Company Name: ESL	Time: 16:05

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645LA	K1303206-001B
LF6M1750LA	K1303206-002B
LF6M1750LC	K1303206-003B
LF6M2046LA	K1303206-004B
LF6VM2650LA	K1303206-005B
LF6M3145LA	K1303206-006B
031513LE	K1303206-007B
031513LF	K1303206-008A
031513LR	K1303206-009A

Comments:

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

Signature: Anthony C

Name: Anthony Crescenzi

Date: 4-3-13

Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31LA	K1303232-001B
LF6VM13RD35LA	K1303232-002B
LF6T3306LA	K1303232-003B
LF6T3406LA	K1303232-004B
LF6T3506LA	K1303232-005B
LF6T3606LA	K1303232-006B
LF6T3807LA	K1303232-007B
LF6M3920LA	K1303232-008B
LF6SW01PM01LA	K1303232-009B
031813LE	K1303232-010B
031813LF	K1303232-011A
031813LR	K1303232-012A

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2082.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	5.00	50.0	5.00	25		U
1,1,1,2-Tetrachloroethane	4.00	12.5	4.00	25		U
1,1,1-Trichloroethane	2.50	25.0	2.50	25		U
1,1,2,2-Tetrachloroethane	2.50	12.5	2.50	25		U
1,1,2-Trichloroethane	4.00	25.0	4.00	25		U
1,1-Dichloroethane	2.50	25.0	2.50	25		U
1,1-Dichloroethene	4.00	25.0	4.00	25		U
1,1-Dichloropropene	2.50	25.0	2.50	25		U
1,2,3-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,3-Trichloropropane	8.25	50.0	8.25	25		U
1,2,4-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,4-Trimethylbenzene	2.50	25.0	2.50	25		U
1,2-Dibromo-3-chloropropane	25.0	125	25.0	25		U
1,2-Dibromoethane	4.00	25.0	4.00	25		U
1,2-Dichlorobenzene	2.50	25.0	2.50	25		U
1,2-Dichloroethane	4.00	12.5	4.00	25		U
1,2-Dichloropropane	4.00	25.0	4.00	25		U
1,3,5-Trimethylbenzene	2.50	25.0	2.50	25		U
1,3-Dichlorobenzene	2.50	25.0	2.50	25		U
1,3-Dichloropropane	2.50	12.5	2.50	25		U
1,4-Dichlorobenzene	4.00	12.5	4.00	25		U
1-Chlorohexane	4.00	25.0	4.00	25		U
2,2-Dichloropropane	8.25	25.0	8.25	25		U
2-Butanone	25.0	250	25.0	25		U
2-Chlorotoluene	2.50	25.0	2.50	25		U
4-Chlorotoluene	2.50	25.0	2.50	25		U
4-Methyl-2-pentanone	25.0	250	25.0	25		U
Acetone	25.0	250	25.0	25		U
Benzene	2.50	12.5	2.50	25		U
Bromobenzene	2.50	25.0	2.50	25		U
Bromochloromethane	2.50	25.0	2.50	25		U
Bromodichloromethane	2.50	12.5	2.50	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2082.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	8.25	25.0	8.25	25		U
Bromomethane	8.25	75.0	8.25	25		U
Carbon tetrachloride	2.50	25.0	2.50	25		U
Chlorobenzene	2.50	12.5	2.50	25		U
Chloroethane	8.25	25.0	8.25	25		U
Chloroform	2.50	12.5	2.50	25		U
Chloromethane	8.25	25.0	8.25	25		U
cis-1,2-Dichloroethene	2.50	25.0	116	25		
cis-1,3-Dichloropropene	4.00	12.5	4.00	25		U
Dibromochloromethane	2.50	12.5	2.50	25		U
Dibromomethane	4.00	25.0	4.00	25		U
Dichlorodifluoromethane	2.50	25.0	2.50	25		U
Ethylbenzene	2.50	25.0	2.50	25		U
Hexachlorobutadiene	2.50	25.0	2.50	25		U
Isopropylbenzene	2.50	25.0	2.50	25		U
Methyl tert-butyl ether	4.00	125	4.00	25		U
Methylene chloride	4.00	25.0	4.00	25		U
n-Butylbenzene	2.50	25.0	2.50	25		U
n-Propylbenzene	2.50	25.0	2.50	25		U
Naphthalene	2.50	25.0	2.50	25		U
o-Xylene	2.50	25.0	2.50	25		U
p-Isopropyltoluene	4.00	25.0	4.00	25		U
sec-Butylbenzene	4.00	25.0	4.00	25		U
Styrene	2.50	25.0	2.50	25		U
tert-Butylbenzene	2.50	25.0	2.50	25		U
Tetrachloroethene	2.50	25.0	2.50	25		U
Toluene	2.50	25.0	2.50	25		U
trans-1,2-Dichloroethene	2.50	25.0	9.25	25		F
trans-1,3-Dichloropropene	4.00	25.0	4.00	25		U
Trichloroethene	2.50	25.0	575	25		
Trichlorofluoromethane	2.50	25.0	2.50	25		U
Vinyl chloride	8.25	25.0	8.25	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2082.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	7.50	50.0	7.50	25		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	310276	141409 - 565636	
Chlorobenzene-d5	727670	272627 - 1090506	
Fluorobenzene	1757729	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2083.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	10.0	10		U
Benzene	1.00	5.00	1.60	10		F
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2083.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	206	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	1.60	10		U
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	95.5	10		
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	204	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2083.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	294832	141409 - 565636	
Chlorobenzene-d5	678778	272627 - 1090508	
Fluorobenzene	1630025	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2084.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	11.0	10		F
Benzene	1.00	5.00	1.60	10		F
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2084.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	224	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	1.70	10		F
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	104	10		
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	202	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2084.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	287007	141409 - 565636	
Chlorobenzene-d5	671060	272627 - 1090508	
Fluorobenzene	1610721	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2085.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	5.00	50.0	5.00	25		U
1,1,1,2-Tetrachloroethane	4.00	12.5	4.00	25		U
1,1,1-Trichloroethane	2.50	25.0	2.50	25		U
1,1,2,2-Tetrachloroethane	2.50	12.5	2.50	25		U
1,1,2-Trichloroethane	4.00	25.0	4.00	25		U
1,1-Dichloroethane	2.50	25.0	2.50	25		U
1,1-Dichloroethene	4.00	25.0	4.00	25		U
1,1-Dichloropropene	2.50	25.0	2.50	25		U
1,2,3-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,3-Trichloropropane	8.25	50.0	8.25	25		U
1,2,4-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,4-Trimethylbenzene	2.50	25.0	2.50	25		U
1,2-Dibromo-3-chloropropane	25.0	125	25.0	25		U
1,2-Dibromoethane	4.00	25.0	4.00	25		U
1,2-Dichlorobenzene	2.50	25.0	2.50	25		U
1,2-Dichloroethane	4.00	12.5	4.00	25		U
1,2-Dichloropropane	4.00	25.0	4.00	25		U
1,3,5-Trimethylbenzene	2.50	25.0	2.50	25		U
1,3-Dichlorobenzene	2.50	25.0	2.50	25		U
1,3-Dichloropropane	2.50	12.5	2.50	25		U
1,4-Dichlorobenzene	4.00	12.5	4.00	25		U
1-Chlorohexane	4.00	25.0	4.00	25		U
2,2-Dichloropropane	8.25	25.0	8.25	25		U
2-Butanone	25.0	250	25.0	25		U
2-Chlorotoluene	2.50	25.0	2.50	25		U
4-Chlorotoluene	2.50	25.0	2.50	25		U
4-Methyl-2-pentanone	25.0	250	25.0	25		U
Acetone	25.0	250	25.0	25		U
Benzene	2.50	12.5	2.50	25		U
Bromobenzene	2.50	25.0	2.50	25		U
Bromochloromethane	2.50	25.0	2.50	25		U
Bromodichloromethane	2.50	12.5	2.50	25		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2085.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	8.25	25.0	8.25	25		U
Bromomethane	8.25	75.0	8.25	25		U
Carbon tetrachloride	2.50	25.0	2.50	25		U
Chlorobenzene	2.50	12.5	2.50	25		U
Chloroethane	8.25	25.0	8.25	25		U
Chloroform	2.50	12.5	2.50	25		U
Chloromethane	8.25	25.0	8.25	25		U
cis-1,2-Dichloroethene	2.50	25.0	420	25		
cis-1,3-Dichloropropene	4.00	12.5	4.00	25		U
Dibromochloromethane	2.50	12.5	2.50	25		U
Dibromomethane	4.00	25.0	4.00	25		U
Dichlorodifluoromethane	2.50	25.0	2.50	25		U
Ethylbenzene	2.50	25.0	2.50	25		U
Hexachlorobutadiene	2.50	25.0	2.50	25		U
Isopropylbenzene	2.50	25.0	2.50	25		U
Methyl tert-butyl ether	4.00	125	4.00	25		U
Methylene chloride	4.00	25.0	4.50	25		F B
n-Butylbenzene	2.50	25.0	2.50	25		U
n-Propylbenzene	2.50	25.0	2.50	25		U
Naphthalene	2.50	25.0	2.50	25		U
o-Xylene	2.50	25.0	2.50	25		U
p-Isopropyltoluene	4.00	25.0	4.00	25		U
sec-Butylbenzene	4.00	25.0	4.00	25		U
Styrene	2.50	25.0	2.50	25		U
tert-Butylbenzene	2.50	25.0	2.50	25		U
Tetrachloroethene	2.50	25.0	2.50	25		U
Toluene	2.50	25.0	2.50	25		U
trans-1,2-Dichloroethene	2.50	25.0	18.2	25		F
trans-1,3-Dichloropropene	4.00	25.0	4.00	25		U
Trichloroethene	2.50	25.0	284	25		
Trichlorofluoromethane	2.50	25.0	2.50	25		U
Vinyl chloride	8.25	25.0	8.25	25		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R25429
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	LF6M2046LA	Lab Sample ID:	K1303206-004B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1660	File ID:	K2085.D
Date Received:	18-Mar-13	Date Extracted:		Date Analyzed:	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	7.50	50.0	7.50	25		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	92	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	276890	141409 - 565636	
Chlorobenzene-d5	658127	272627 - 1090508	
Fluorobenzene	1552031	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2086.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.600	6.00	0.600	3		U
1,1,1,2-Tetrachloroethane	0.480	1.50	0.480	3		U
1,1,1-Trichloroethane	0.300	3.00	0.300	3		U
1,1,2,2-Tetrachloroethane	0.300	1.50	0.300	3		U
1,1,2-Trichloroethane	0.480	3.00	0.480	3		U
1,1-Dichloroethane	0.300	3.00	0.300	3		U
1,1-Dichloroethene	0.480	3.00	0.480	3		U
1,1-Dichloropropene	0.300	3.00	0.300	3		U
1,2,3-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,3-Trichloropropane	0.990	6.00	0.990	3		U
1,2,4-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,4-Trimethylbenzene	0.300	3.00	0.300	3		U
1,2-Dibromo-3-chloropropane	3.00	15.0	3.00	3		U
1,2-Dibromoethane	0.480	3.00	0.480	3		U
1,2-Dichlorobenzene	0.300	3.00	0.300	3		U
1,2-Dichloroethane	0.480	1.50	0.480	3		U
1,2-Dichloropropane	0.480	3.00	0.480	3		U
1,3,5-Trimethylbenzene	0.300	3.00	0.300	3		U
1,3-Dichlorobenzene	0.300	3.00	0.300	3		U
1,3-Dichloropropane	0.300	1.50	0.300	3		U
1,4-Dichlorobenzene	0.480	1.50	0.480	3		U
1-Chlorohexane	0.480	3.00	0.480	3		U
2,2-Dichloropropane	0.990	3.00	0.990	3		U
2-Butanone	3.00	30.0	3.00	3		U
2-Chlorotoluene	0.300	3.00	0.300	3		U
4-Chlorotoluene	0.300	3.00	0.300	3		U
4-Methyl-2-pentanone	3.00	30.0	3.00	3		U
Acetone	3.00	30.0	7.02	3		F B
Benzene	0.300	1.50	0.300	3		U
Bromobenzene	0.300	3.00	0.300	3		U
Bromochloromethane	0.300	3.00	0.300	3		U
Bromodichloromethane	0.300	1.50	0.300	3		U

Comments:

lwf 6/11/13

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2086.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.990	3.00	0.990	3		U
Bromomethane	0.990	9.00	0.990	3		U
Carbon tetrachloride	0.300	3.00	0.300	3		U
Chlorobenzene	0.300	1.50	0.300	3		U
Chloroethane	0.990	3.00	0.990	3		U
Chloroform	0.300	1.50	0.300	3		U
Chloromethane	0.990	3.00	0.990	3		U
cis-1,2-Dichloroethene	0.300	3.00	68.8	3		
cis-1,3-Dichloropropene	0.480	1.50	0.480	3		U
Dibromochloromethane	0.300	1.50	0.300	3		U
Dibromomethane	0.480	3.00	0.480	3		U
Dichlorodifluoromethane	0.300	3.00	0.300	3		U
Ethylbenzene	0.300	3.00	0.300	3		U
Hexachlorobutadiene	0.300	3.00	0.300	3		U
Isopropylbenzene	0.300	3.00	0.300	3		U
Methyl tert-butyl ether	0.480	15.0	0.480	3		U
Methylene chloride	0.480	3.00	0.480	3		U
n-Butylbenzene	0.300	3.00	0.300	3		U
n-Propylbenzene	0.300	3.00	0.300	3		U
Naphthalene	0.300	3.00	0.300	3		U
o-Xylene	0.300	3.00	0.300	3		U
p-Isopropyltoluene	0.480	3.00	0.480	3		U
sec-Butylbenzene	0.480	3.00	0.480	3		U
Styrene	0.300	3.00	0.300	3		U
tert-Butylbenzene	0.300	3.00	0.300	3		U
Tetrachloroethene	0.300	3.00	0.300	3		U
Toluene	0.300	3.00	0.300	3		U
trans-1,2-Dichloroethene	0.300	3.00	0.300	3		U
trans-1,3-Dichloropropene	0.480	3.00	0.480	3		U
Trichloroethene	0.300	3.00	0.300	3		U
Trichlorofluoromethane	0.300	3.00	0.300	3		U
Vinyl chloride	0.990	3.00	0.990	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2066.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.900	6.00	0.900	3		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	282676	141409 - 565636	
Chlorobenzene-d5	677290	272627 - 1090508	
Fluorobenzene	1595565	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2081.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	5.66	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

CLT 6/11/13

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1660	**File ID:**	K2081.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.140	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.510	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2081.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	314087	141409 - 565636	
Chlorobenzene-d5	739161	272627 - 1090508	
Fluorobenzene	1798425	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1660	**File ID:**	K2087.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	6.35	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2087.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.710	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2087.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	PL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	114	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	289017	141409 - 565636	
Chlorobenzene-d5	697860	272627 - 1090508	
Fluorobenzene	1660813	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LF	**Lab Sample ID:**	K1303206-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2088.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.31	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LF	**Lab Sample ID:**	K1303206-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2088.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.690	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R25429
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	031513LF	Lab Sample ID:	K1303206-008A	Matrix:	Water Q
% Solids:	0	Initial Calibration ID:	1860	File ID:	K2088.D
Date Received:	18-Mar-13	Date Extracted:		Date Analyzed:	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	92	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	272408	141409 - 565636	
Chlorobenzene-d5	645960	272627 - 1090508	
Fluorobenzene	1520044	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LR	**Lab Sample ID:**	K1303206-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2089.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.3	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LR	**Lab Sample ID:**	K1303206-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2089.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.230	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LR	**Lab Sample ID:**	K1303206-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1660	**File ID:**	K2089.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	277061	141409 - 565636	
Chlorobenzene-d5	661603	272627 - 1090508	
Fluorobenzene	1555615	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2121.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.58	1		FB
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2121.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2121.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	272344	141409 - 565636	
Chlorobenzene-d5	570981	272627 - 1090508	
Fluorobenzene	1413042	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2122.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.01	1		F B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2122.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.180	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	Preparatory Method:		AAB #:	R25437
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	LF6VM13RD35LA	Lab Sample ID:	K1303232-002B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1860	File ID:	K2122.D
Date Received:	20-Mar-13	Date Extracted:		Date Analyzed:	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	116	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	271161	141409 - 565636	
Chlorobenzene-d5	595597	272627 - 1090508	
Fluorobenzene	1469095	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2118.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	11.5	10		F6
Benzene	1.00	5.00	1.00	10		U
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

cwb 6/18/13

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2116.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	52.6	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	2.40	10		F B
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	1.00	10		U
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	216	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

Cat 6/11/13

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1660	**File ID:**	K2118.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	285882	141409 - 565636	
Chlorobenzene-d5	576423	272627 - 1090508	
Fluorobenzene	1434206	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2119.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	9.15	5		F B
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

cbf 6/11/13

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2119.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	42.0	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	0.950	5		F B
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	21.6	5		
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	200	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1660	**File ID:**	K2119.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	98	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	281789	141409 - 565636	
Chlorobenzene-d5	582231	272627 - 1090508	
Fluorobenzene	1455029	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2123.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.05	1		F B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2123.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	9.14	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	28.9	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2123.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	266884	141409 - 565636	
Chlorobenzene-d5	583792	272627 - 1090508	
Fluorobenzene	1432409	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2120.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	10.0	10		U
Benzene	1.00	5.00	1.00	10		U
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2120.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	47.9	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	2.90	10		FB
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	1.60	10		F
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	224	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2120.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	279826	141409 - 565636	
Chlorobenzene-d5	593782	272627 - 1090508	
Fluorobenzene	1462203	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2117.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	7.90	5		F, B
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2117.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	36.0	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	1.35	5		FB
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	0.500	5		U
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	92.8	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2117.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	94	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	301584	141409 - 565636	
Chlorobenzene-d5	612869	272627 - 1090508	
Fluorobenzene	1522778	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2124.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	6.16	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2124.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2124.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	269404	141409 - 565636	
Chlorobenzene-d5	577678	272627 - 1090508	
Fluorobenzene	1414920	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25497
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2125.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	12.2	1		B
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2125.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.280	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2125.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Conf.Rtn	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	116	78 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	262587	141409 - 565636	
Chlorobenzene-d5	574562	272627 - 1090508	
Fluorobenzene	1411657	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2126.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.59	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2126.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.470	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2126.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	264325	141409 - 565636	
Chlorobenzene-d5	577724	272627 - 1090508	
Fluorobenzene	1424994	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LF	**Lab Sample ID:**	K1303232-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1660	**File ID:**	K2127.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.59	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LF	**Lab Sample ID:**	K1303232-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2127.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.530	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LF	**Lab Sample ID:**	K1303232-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2127.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	261717	141409 - 565636	
Chlorobenzene-d5	570848	272627 - 1090508	
Fluorobenzene	1402915	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LR	**Lab Sample ID:**	K1303232-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2128.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Column	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	13.0	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LR	**Lab Sample ID:**	K1303232-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2126.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.240	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LR	**Lab Sample ID:**	K1303232-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1660	**File ID:**	K2128.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	264436	141409 - 565636	
Chlorobenzene-d5	591687	272627 - 1090508	
Fluorobenzene	1432087	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645LA	K1303206-001B
LF6M1750LA	K1303206-002B
LF6M2046LA	K1303206-004B
LF6VM2650LA	K1303206-005B
LF6M3145LA	K1303206-006B
031513LE	K1303206-007B
LF6VM13R31LA	K1303232-001B
LF6VM13RD35LA	K1303232-002B
LF6T3306LA	K1303232-003B
LF6T3406LA	K1303232-004B
LF6T3506LA	K1303232-005B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

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ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16789

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1750LC	K1303206-003B
LF6T3606LA	K1303232-006B
LF6T3807LA	K1303232-007B
LF6M3920LA	K1303232-008B
LF6SW01PM01LA	K1303232-009B
031813LE	K1303232-010B

Comments:

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

Signature: [signature] Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032517.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.47 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	190	410	190	200		U
Ethene	140	340	140	200		U
Methane	96	340	7300	200		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16783
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	LF6M1750LA	Lab Sample ID:	K1303206-002B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1846	File ID:	E:\Osimar13\E032519.rst
Date Received:	18-Mar-13	Date Extracted:	25-Mar-13	Date Analyzed:	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	37.27 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	4.8	10	4.8	5		U
Ethene	3.6	8.6	3.6	5		U
Methane	2.4	8.6	72	5		J

CWA 6/11/13

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Oslmar13\E032605.rst
Date Received:	18-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	36.93 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	1.9	4.2	1.9	2		U
Ethene	1.5	3.5	1.5	2		UQ UJ
Methane	0.97	3.5	45	2		J

Cnt 6/11/13

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032522.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.43 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	190	410	190	200		U
Ethene	140	340	140	200		U
Methane	96	340	7600	200		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032525.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.72 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.48	1.7	0.74	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16783
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	LF6M3145LA	Lab Sample ID:	K1303206-006B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1846	File ID:	E:\Osimar13\E032526.rst
Date Received:	18-Mar-13	Date Extracted:	25-Mar-13	Date Analyzed:	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	37.37 mL

Analyte	MDL	RL	Concentration	Dilution	Comment	Qualifier
Ethane	0.96	2.1	0.96	1		U
Ethene	0.72	1.7	0.72	1		U
Methane	0.48	1.7	5.9	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032527.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	38.05 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.94	2.0	0.94	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.47	1.7	0.47	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Oslmar13\E032528.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.71 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.48	1.7	0.81	1		F

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032529.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.09 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.97	2.1	0.97	1		U
Ethene	0.72	1.7	0.72	1		U
Methane	0.48	1.7	19	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Oslmar13\E032530.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.83 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	~~0.47~~ 2.4	~~1.7~~ 8.5	~~170~~ 180	~~1~~ 5		~~J~~ *

* Result transferred from dilution sample LF6T3306LA DL(1:5)

cuf
6/19/13

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16763
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032531.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.83 mL

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Ethane	4.7	10	4.7	5	U
Ethene	3.6	8.5	3.6	5	U
Methane	2.4	8.5	180	5	*

* Result transferred to original sample LF6T3306LA (1:1)

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6/19/13

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032532.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.69 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.48	1.7	5.4	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032533.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.74 mL

Analyte	MBL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.47	1.7	7.7	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	Preparatory Method:	RSK 175	AAB #:	16789
Lab Name:	Life Science Laboratories, Inc.	Contract #:			
Field Sample ID:	LF6T3606LA	Lab Sample ID:	K1303232-006B	Matrix:	Groundwater
% Solids:	0	Initial Calibration ID:	1846	File ID:	E:\Osmar13\E032611.rst
Date Received:	20-Mar-13	Date Extracted:	26-Mar-13	Date Analyzed:	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			Sample Size:	37.45 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	1.9	4.1	1.9	2		U
Ethene	1.4	3.4	1.4	2		UQ
Methane	0.96	3.4	66	2		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032606.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.74 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		UQ U5
Methane	0.47	1.7	2.4	1		

UA 6/11/13

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032607.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.17 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.96	2.1	0.96	1		U
Ethene	0.72	1.7	0.72	1		UQ UJ
Methane	0.48	1.7	0.48	1		U

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6/11/13

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Oslmar13\E032608.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.17 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.96	2.1	0.96	1		U
Ethene	0.72	1.7	0.72	1		UQ
Methane	0.48	1.7	13	1		

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Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032609.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.86 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		UQ UJ
Methane	0.47	1.7	0.47	1		U

cmt
6/11/13

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R25463

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645LA	K1303206-001C
LF6M1750LA	K1303206-002C
LF6M1750LC	K1303206-003C
LF6M2046LA	K1303206-004C
LF6VM2650LA	K1303206-005C
LF6M3145LA	K1303206-006C
031513LE	K1303206-007C
LF6VM13R31LA	K1303232-001C
LF6VM13RD35LA	K1303232-002C
LF6T3306LA	K1303232-003C
LF6T3406LA	K1303232-004C
LF6T3506LA	K1303232-005C
LF6T3606LA	K1303232-006C
LF6T3807LA	K1303232-007C
LF6M3920LA	K1303232-008C
LF6SW01PM01LA	K1303232-009C
031813LE	K1303232-010C

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

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WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1664		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1664		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MRL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	PL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.95	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.51	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.54	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.93	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method:	SW9056	**AAB #:**	R25468
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Base/Command:		**Prime Contractor:**	FPM Group

Field Sample ID	Lab Sample ID
LF6M1645LA	K1303206-001A
LF6M1750LA	K1303206-002A
LF6M1750LC	K1303206-003A
LF6M2046LA	K1303206-004A
LF6VM2650LA	K1303206-005A
LF6M3145LA	K1303206-006A
031513LE	K1303206-007A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31LA	K1303232-001A
LF6VM13RD35LA	K1303232-002A
LF6T3306LA	K1303232-003A
LF6T3406LA	K1303232-004A
LF6T3506LA	K1303232-005A
LF6T3606LA	K1303232-006A
LF6T3807LA	K1303232-007A
LF6M3920LA	K1303232-008A
LF6SW01PM01LA	K1303232-009A
031813LE	K1303232-010A

Comments:

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

Signature: [signature] Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	71	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	67	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	67	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	66	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	46	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25466	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	78	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25469	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	50	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25469	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	47	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	76	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25469	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	69	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	45	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25469	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	37	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25469	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	39	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25469	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	11	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	35	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25469	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

Thursday, October 25, 2012

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - BLDG 775
RE: Analytical Results Order No.: K1209273

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received 1 sample(s) on 9/26/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-Bldg 775- Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were found upon sample receipt. The temperature of the well-iced cooler was 5.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

Client:	FPM
Project/Order:	Griffiss AFB – Bldg 775
Work Order #:	K1209273
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 10/25/12

Supervisor/Reviewed by (Initials/Date): 10/25/12

QA/QC Review (Initials/Date): AC for LK 10/25/12

File Name: U:\Narratives\MSVoa\K1209273msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCSD-24699	Bromomethane	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24699	MS4	1,2-Dibromo-3-chloropropane	-21.7		1
		Bromomethane	26.6		2
		Dichlorodifluoromethane	33.7		2

Client:	FPM
Project/Order:	Griffiss AFB – Bldg 775
Work Order #:	K1209273
Methodology:	8260B

1 The recovery marginally exceeded the lower control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

2 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *25-Oct-12*

CLIENT: FPM Group
Project: Griffiss AFB - Bldg 775
Lab Order: K1209273

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209273-001A	775M2771NA	775MW-27	9/25/2012	9/26/2012

Life Science Laboratories, Inc.

Lab Order: K1209273
Client: FPM Group
Project: Griffiss AFB - Bldg 775

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209273-001A	775M2771NA	9/25/2012 11:08:00 AM	Groundwater	Volatile Organic Compounds by GC/MS			9/27/2012

External Chain of Custody

K1209273

AFCEE
CHAIN OF CUSTODY RECORD

282

COC#: _A_ SDG#: ~~276~~ _ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
775M2771NA	775MW-27	9/25	1108	WG	BP	N	0/0	3	3	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 5.0 °c on Ice

Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Mattice	Date: 9-26-12	#3 Released by: (Sig) Bill Donaldson	Date: 9-26-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name: Life Science Labs	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig)	Date: 9-26-10
Company Name: FPM Group Ltd	Time:	Company Name: Life Science Labs	Time: 0925	Company Name: LSL	Time: 14:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **9/26/2012 2:10:00 PM**

Work Order Number: **K1209273**

Received by: gis

Checklist completed by: GS (Initials) 9-26-12 (Date)

Reviewed by: [signature] (Initials) 9-27-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Client/Project FPM / K1209273 Rec'd 9-26-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1209273-001	A			Stored in Fridge 1B	8260	9/26/12 1400
K1209273-001	A		(MW)	9/27/12 0615	8260	NR

Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R24699

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
775M2771NA	K1209273-001A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: _____ Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771NA	**Lab Sample ID:**	K1209273-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1129.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.430	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771NA	**Lab Sample ID:**	K1209273-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1129.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	1.56	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	21.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771NA	**Lab Sample ID:**	K1209273-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1129.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	96	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	392306	271303 - 1085212	
Chlorobenzene-d5	451667	315344 - 1261376	
Fluorobenzene	1142253	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	**AAB #:**	
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Date of Initial Calibration:**	10-Jul-2012
Initial Calibration ID:	1853	**Concentration Units (ug/L or mg/kg):**	ug/L

SEE ATTACHED

Comments:

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Wed Sep 12 13:27:37 2012
Response Via : Initial Calibration

ICAL #1853

Calibration Files
0.25=R0717.D 0.50=R0718.D 1.0 =R0719.D
2.0 =R0722.D 10 =R0721.D 20 =R0724.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	----------	ISTD	----------	----------		
2)		Dichlorodifluorom	0.277	0.287	0.262	0.281	0.277	0.276	0.272	3.39
3)	P	Chloromethane	0.387	0.395	0.426	0.433	0.417	0.408	0.404	4.40
4)	CP	Vinyl chloride	0.231	0.225	0.223	0.244	0.249	0.253	0.242	4.96
5)		Bromomethane	0.090	0.095	0.096	0.093	0.092	0.097	0.096	4.51
6)		Chloroethane	0.132	0.120	0.123	0.128	0.124	0.124	0.123	3.66
7)		Trichlorofluorome	0.284	0.273	0.273	0.273	0.284	0.281	0.276	2.16
8)	CPM	1,1-Dichloroethen	0.220	0.221	0.213	0.213	0.224	0.223	0.216	3.68
9)		Carbon disulfide		1.026	0.849	0.729	0.863	0.864	0.862	9.34
10)		1,1,2-Trichloro-1	0.259	0.249	0.243	0.246	0.257	0.257	0.248	4.11
11)		Methyl iodide		0.069	0.085	0.193	0.222	0.308	0.227	45.53
12)		Acrolein	0.021	0.022	0.023	0.026	0.026	0.027	0.025	10.22
13)		Methylene chlorid		0.487	0.370	0.330	0.279	0.266	0.311	26.91
14)		Acetone	0.066	0.045	0.040	0.036	0.029	0.028	0.036	35.36
15)		trans-1,2-Dichlor	0.245	0.249	0.231	0.240	0.254	0.250	0.243	3.52
16)		Methyl acetate	0.080	0.079	0.081	0.091	0.075	0.078	0.079	6.28
17)		Methyl tert-Butyl	0.318	0.330	0.295	0.312	0.310	0.309	0.309	3.29
18)		tert-Butyl Alcoho	0.006	0.006	0.007	0.009	0.007	0.007	0.007	11.49
19)	P	1,1-Dichloroethan	0.431	0.428	0.401	0.424	0.439	0.436	0.424	3.43
20)		Acrylonitrile	0.039	0.049	0.046	0.052	0.050	0.051	0.049	8.33
21)		Vinyl acetate	0.178	0.165	0.178	0.195	0.226	0.218	0.208	14.50
22)		cis-1,2-Dichloroe	0.251	0.269	0.258	0.256	0.280	0.275	0.264	3.87
23)		2,2-Dichloropropa	0.198	0.184	0.186	0.187	0.217	0.224	0.208	9.33
24)		Bromochloromethan	0.088	0.096	0.098	0.101	0.104	0.103	0.099	5.04
25)		Cyclohexane	0.485	0.474	0.463	0.501	0.521	0.528	0.494	5.25
26)	CP	Chloroform	0.401	0.418	0.373	0.387	0.408	0.403	0.394	4.07
27)		Carbon tetrachlor	0.111	0.123	0.125	0.135	0.174	0.184	0.157	20.68
28)		Tetrahydrofuran							0.000	-1.00
29)		1,1,1-Trichloroet	0.230	0.250	0.241	0.246	0.285	0.287	0.264	8.35
30)		2-Butanone	0.045	0.038	0.042	0.046	0.041	0.043	0.043	5.47
31)		1,1-Dichloroprope	0.323	0.321	0.318	0.323	0.353	0.352	0.333	4.58
32)	M	Benzene	1.119	1.106	1.024	1.073	1.125	1.114	1.078	4.30
33)	S	1,2-Dichloroethan		0.187	0.176	0.180	0.183	0.183	0.181	1.98
34)		1,2-Dichloroethan	0.209	0.204	0.198	0.207	0.216	0.215	0.207	2.83
35)	M	Trichloroethene	0.281	0.261	0.267	0.263	0.282	0.277	0.269	3.97
36)		Methylcyclohexane	0.407	0.397	0.374	0.401	0.432	0.436	0.409	5.36
37)		Dibromomethane	0.088	0.108	0.099	0.101	0.111	0.111	0.105	7.33
38)	CP	1,2-Dichloropropa	0.267	0.266	0.260	0.272	0.281	0.283	0.272	3.12
39)		Bromodichlorometh	0.185	0.196	0.186	0.187	0.228	0.236	0.215	12.07
40)		2-Chloroethylviny				0.000	0.000	0.000	0.000	27.99 Q
41)		cis-1,3-Dichlorop	0.220	0.223	0.225	0.231	0.294	0.313	0.274	17.41
42)	CPM	Toluene	0.633	0.658	0.632	0.675	0.715	0.705	0.675	4.40
43)		4-Methyl-2-pentan	0.083	0.089	0.086	0.102	0.095	0.101	0.096	8.70
44)		trans-1,3-Dichlor	0.131	0.131	0.133	0.140	0.184	0.205	0.176	23.58
45)		1,1,2-Trichloroet	0.141	0.156	0.143	0.154	0.159	0.156	0.152	4.02

9/12/12

Response Factor Report #4MS73

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Wed Sep 12 13:27:37 2012
Response Via : Initial Calibration

Calibration Files
0.25=R0717.D 0.50=R0718.D 1.0 =R0719.D
2.0 =R0722.D 10 =R0721.D 20 =R0724.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
46)		2-Hexanone	0.056	0.057	0.059	0.068	0.064	0.068	0.065	9.94
47)	I	Chlorobenzene-d5	ISTD							
48)	S	Toluene-d8		2.696	2.432	2.415	2.488	2.397	2.380	7.61
49)		Tetrachloroethene	0.561	0.625	0.587	0.596	0.631	0.607	0.587	5.79
50)		Dibromochlorometh	0.266	0.268	0.251	0.258	0.331	0.345	0.308	14.63
51)		1,3-Dichloropropa	0.674	0.723	0.667	0.700	0.713	0.695	0.681	4.50
52)		1,2-Dibromoethane	0.324	0.369	0.333	0.349	0.384	0.376	0.359	5.72
53)		1-Chlorohexane	0.843	0.765	0.772	0.794	0.902	0.886	0.827	6.39
54)	PM	Chlorobenzene		3.063	2.325	2.138	1.913	1.830	2.048	22.96
55)	CP	Ethylbenzene	3.429	3.303	3.158	3.228	3.343	3.229	3.168	6.80
56)		1,1,1,2-Tetrachlo	0.348	0.353	0.347	0.352	0.415	0.417	0.387	9.04
57)		(m+p)-Xylene	1.283	1.253	1.221	1.270	1.358	1.327	1.267	4.62
58)		o-Xylene	1.234	1.200	1.159	1.224	1.319	1.302	1.232	4.61
59)		Styrene	1.543	1.643	1.636	1.792	2.013	2.010	1.819	9.69
60)	P	Bromoform	0.108	0.116	0.113	0.123	0.149	0.157	0.142	19.19
61)	I	1,4-Dichlorobenzene-d	ISTD							
62)		Isopropylbenzene	3.161	3.102	3.142	3.241	3.411	3.374	3.195	5.24
63)	S	Bromofluorobenzen		1.096	0.983	0.994	1.002	0.996	1.002	3.90
64)		Bromobenzene	0.829	0.807	0.779	0.830	0.821	0.809	0.799	3.78
65)		n-Propylbenzene	4.361	4.247	4.300	4.550	4.791	4.709	4.408	6.52
66)	P	1,1,2,2-Tetrachlo	0.587	0.603	0.613	0.610	0.602	0.598	0.604	1.74
67)		1,3,5-Trimethylbe	2.738	2.719	2.773	2.933	3.132	3.119	2.910	5.98
68)		2-Chlorotoluene	2.825	2.957	2.975	3.126	3.131	3.111	3.019	3.90
69)		1,2,3-Trichloropr	0.110	0.122	0.125	0.117	0.122	0.124	0.122	4.44
70)		trans-1,4-Dichlor			0.021	0.026	0.034	0.040	0.040	35.37 Q
71)		4-Chlorotoluene	2.586	2.560	2.574	2.725	2.832	2.802	2.666	4.54
72)		tert-Butylbenzene	2.267	2.310	2.241	2.394	2.506	2.487	2.353	5.00
73)		1,2,4-Trimethylbe	2.508	2.619	2.725	2.915	3.078	3.038	2.825	7.09
74)		sec-Butylbenzene	3.584	3.549	3.493	3.805	3.970	3.892	3.667	6.08
75)		p-Isopropyltoluen	2.418	2.474	2.505	2.776	3.001	3.012	2.727	8.70
76)		1,3-Dichlorobenze	1.689	1.655	1.662	1.693	1.719	1.696	1.660	3.56
77)		1,4-Dichlorobenze	1.811	1.731	1.666	1.704	1.692	1.659	1.664	5.40
78)		n-Butylbenzene	2.165	2.251	2.365	2.874	3.004	3.057	2.695	13.11
79)		1,2-Dichlorobenze	1.391	1.436	1.412	1.527	1.514	1.504	1.451	4.14
80)		1,2-Dibromo-3-chl		0.074	0.050	0.064	0.053	0.056	0.059	12.81
81)		Hexachlorobutadie	0.261	0.277	0.279	0.383	0.341	0.354	0.321	13.13
82)		1,2,4-Trichlorobe		0.305	0.413	0.678	0.777	0.807	0.672	29.87
83)		Naphthalene		0.421	0.471	1.152	1.209	1.351	1.098	37.79
84)		1,2,3-Trichlorobe		0.178	0.261	0.528	0.591	0.625	0.506	35.90

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

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Tue Sep 11 11:09:31 2012
Response Via : Initial Calibration

Calibration Files
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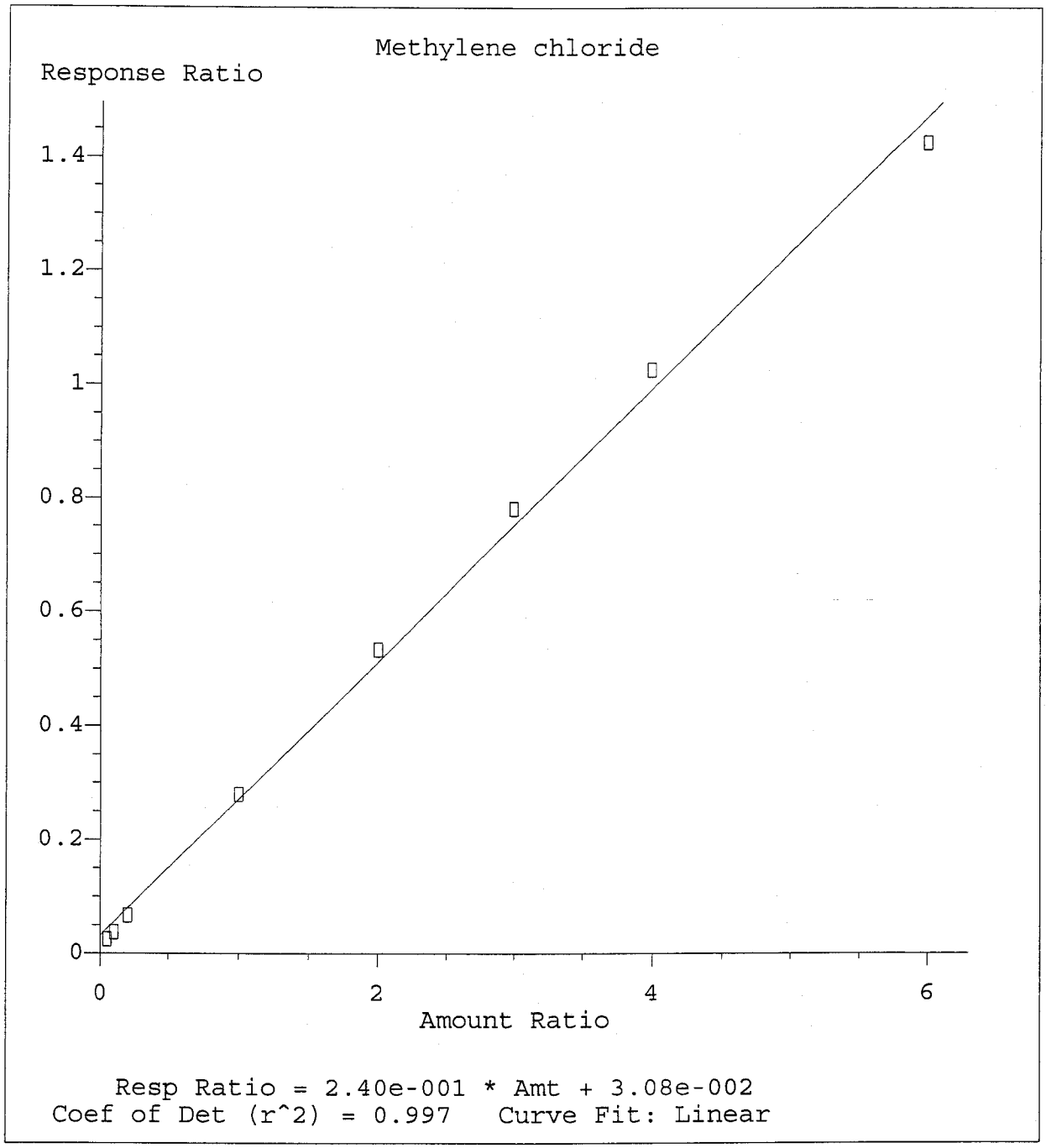
		Compound	30	40	60	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------		
2)		Dichlorodifluorom	0.267	0.265	0.259		
3)	P	Chloromethane	0.393	0.396	0.383		
4)	CP	Vinyl chloride	0.246	0.249	0.254		
5)		Bromomethane	0.100	0.103	0.100		
6)		Chloroethane	0.122	0.119	0.118		
7)		Trichlorofluorome	0.274	0.271	0.268		
8)	CPM	1,1-Dichloroethen	0.218	0.216	0.198		
9)		Carbon disulfide	0.858	0.863	0.840		
10)		1,1,2-Trichloro-1	0.251	0.248	0.226		
11)		Methyl iodide	0.315	0.320	0.301		
12)		Acrolein	0.027	0.027	0.028		
13)		Methylene chlorid	0.260	0.256	0.237		
14)		Acetone	0.028	0.028	0.027		
15)		trans-1,2-Dichlor	0.245	0.245	0.228		
16)		Methyl acetate	0.075	0.080	0.075		
17)		Methyl tert-Butyl	0.305	0.305	0.300		
18)		tert-Butyl Alcoho	0.007	0.007	0.007		
19)	P	1,1-Dichloroethan	0.429	0.429	0.398		
20)		Acrylonitrile	0.049	0.052	0.053		
21)		Vinyl acetate	0.233	0.225	0.253		
22)		cis-1,2-Dichloroe	0.270	0.269	0.252		
23)		2,2-Dichloropropa	0.230	0.232	0.217		
24)		Bromochloromethan	0.102	0.102	0.097		
25)		Cyclohexane	0.516	0.507	0.457		
26)	CP	Chloroform	0.395	0.388	0.368		
27)		Carbon tetrachlor	0.188	0.191	0.181		
28)		Tetrahydrofuran					
29)		1,1,1-Trichloroet	0.283	0.284	0.267		
30)		2-Butanone	0.017	0.017	0.018		
31)		1,1-Dichloroprope	0.346	0.344	0.318		
32)	M	Benzene	1.083	1.071	0.987		
33)	S	1,2-Dichloroethan	0.178	0.178	0.180		
34)		1,2-Dichloroethan	0.209	0.207	0.201		
35)	M	Trichloroethene	0.270	0.268	0.249		
36)		Methylcyclohexane	0.425	0.424	0.383		
37)		Dibromomethane	0.109	0.110	0.108		
38)	CP	1,2-Dichloropropa	0.277	0.278	0.261		
39)		Bromodichlorometh	0.239	0.244	0.236		
40)		2-Chloroethylviny	0.000	0.000	0.000		
41)		cis-1,3-Dichlorop	0.317	0.327	0.317		
42)	CPM	Toluene	0.693	0.692	0.674		
43)		4-Methyl-2-pentan	0.100	0.102	0.106		
44)		trans-1,3-Dichlor	0.213	0.222	0.223		
45)		1,1,2-Trichloroet	0.155	0.156	0.153		

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Tue Sep 11 11:09:31 2012
Response Via : Initial Calibration

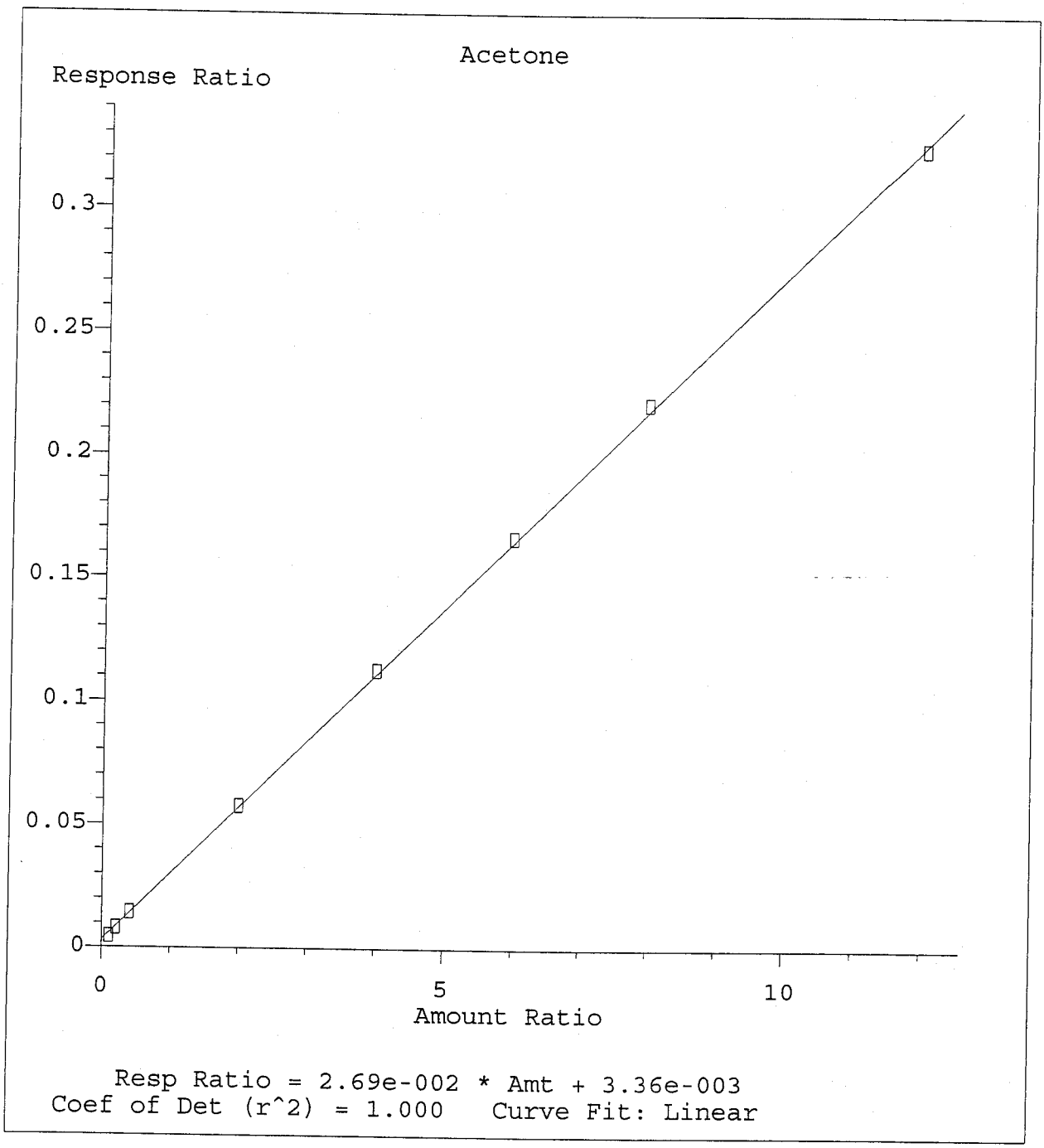
Calibration Files
30 =R0725.D 40 =R0726.D 60 =R0728.D

		Compound	30	40	60	Avg	%RSD
46)		2-Hexanone	0.069	0.071	0.074		
47)	I	Chlorobenzene-d5	----------	ISTD	----------		
48)	S	Toluene-d8	2.300	2.215	2.097		
49)		Tetrachloroethene	0.590	0.571	0.520		
50)		Dibromochlorometh	0.350	0.353	0.347		
51)		1,3-Dichloropropa	0.675	0.661	0.622		
52)		1,2-Dibromoethane	0.372	0.371	0.350		
53)		1-Chlorohexane	0.865	0.848	0.772		
54)	PM	Chlorobenzene	1.769	1.742	1.605		
55)	CP	Ethylbenzene	3.108	3.013	2.700		
56)		1,1,1,2-Tetrachlo	0.417	0.421	0.411		
57)		(m+p)-Xylene	1.281	1.260	1.154		
58)		o-Xylene	1.260	1.242	1.154		
59)		Styrene	1.953	1.939	1.841		
60)	P	Bromoform	0.166	0.172	0.177		
61)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------		
62)		Isopropylbenzene	3.272	3.213	2.843		
63)	S	Bromofluorobenzen	0.984	0.981	0.976		
64)		Bromobenzene	0.792	0.789	0.734		
65)		n-Propylbenzene	4.509	4.387	3.815		
66)	P	1,1,2,2-Tetrachlo	0.592	0.605	0.621		
67)		1,3,5-Trimethylbe	3.046	3.007	2.721		
68)		2-Chlorotoluene	3.081	3.103	2.863		
69)		1,2,3-Trichloropr	0.123	0.126	0.128		
70)		trans-1,4-Dichlor	0.046	0.051	0.061		
71)		4-Chlorotoluene	2.732	2.705	2.477		
72)		tert-Butylbenzene	2.418	2.403	2.155		
73)		1,2,4-Trimethylbe	2.949	2.924	2.664		
74)		sec-Butylbenzene	3.766	3.700	3.249		
75)		p-Isopropyltoluen	2.912	2.878	2.567		
76)		1,3-Dichlorobenze	1.667	1.643	1.516		
77)		1,4-Dichlorobenze	1.623	1.608	1.487		
78)		n-Butylbenzene	2.970	2.960	2.608		
79)		1,2-Dichlorobenze	1.467	1.456	1.348		
80)		1,2-Dibromo-3-chl	0.058	0.060	0.060		
81)		Hexachlorobutadie	0.338	0.350	0.302		
82)		1,2,4-Trichlorobe	0.811	0.832	0.755		
83)		Naphthalene	1.408	1.460	1.314		
84)		1,2,3-Trichlorobe	0.626	0.650	0.591		

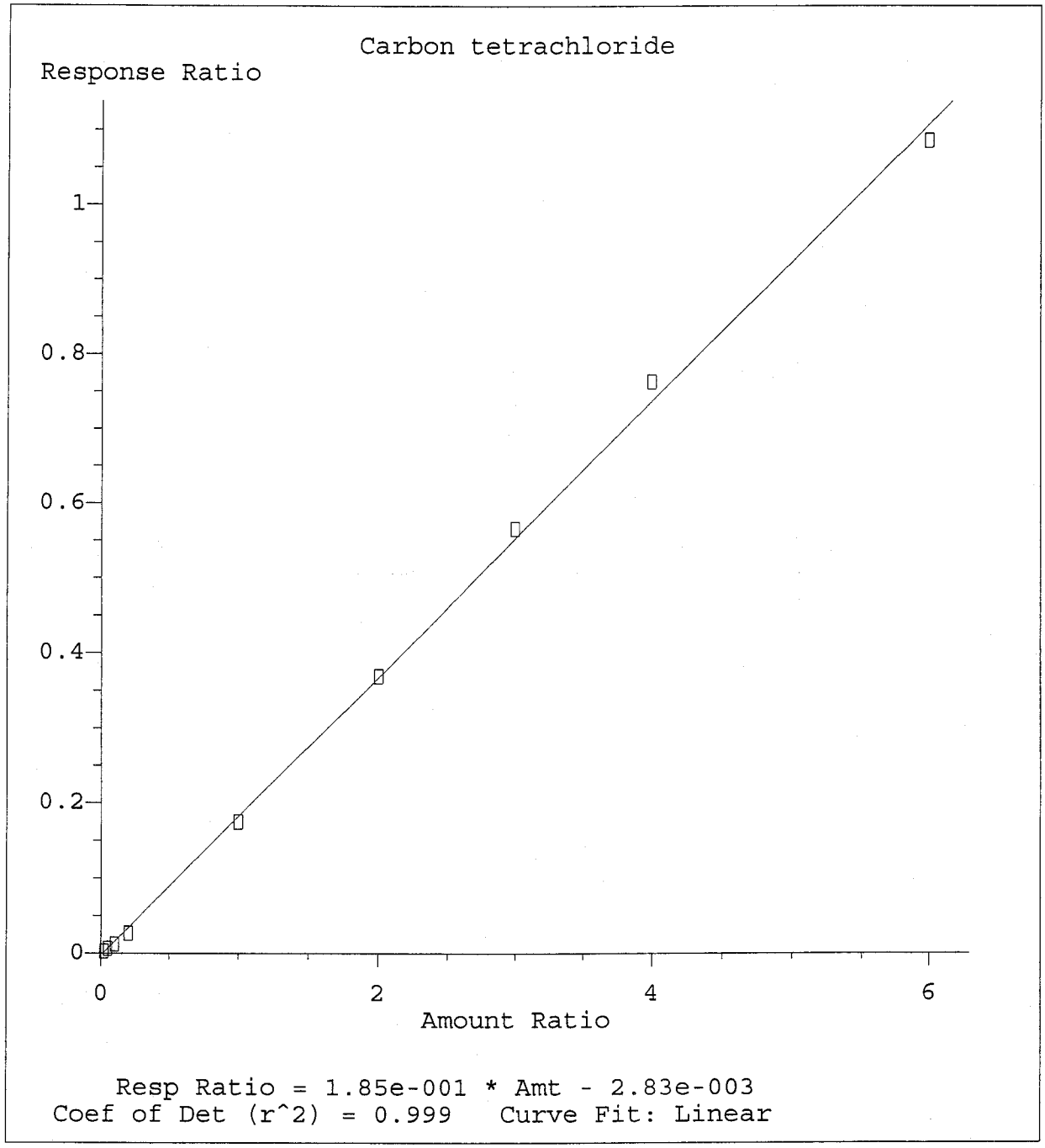
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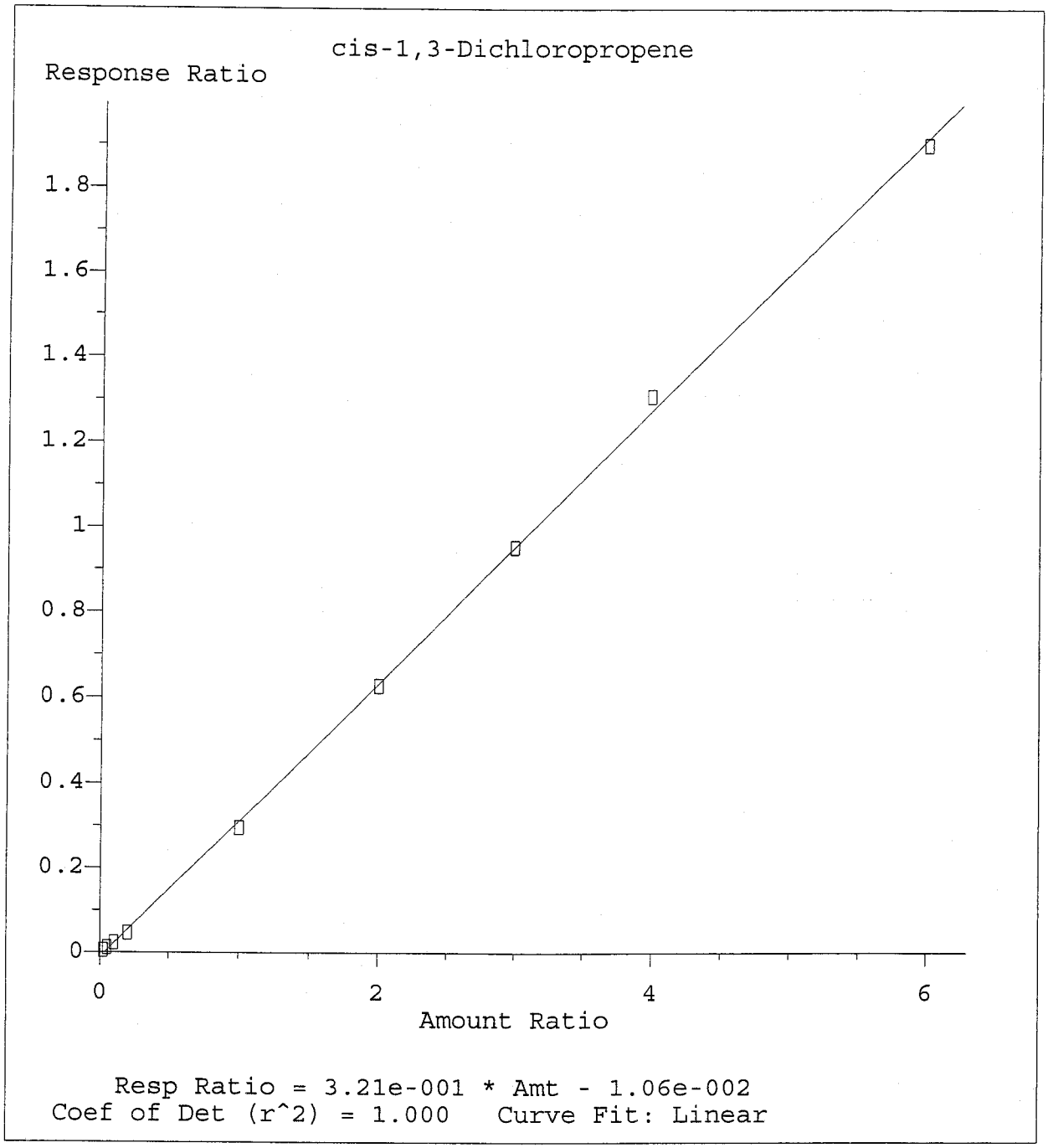
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Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



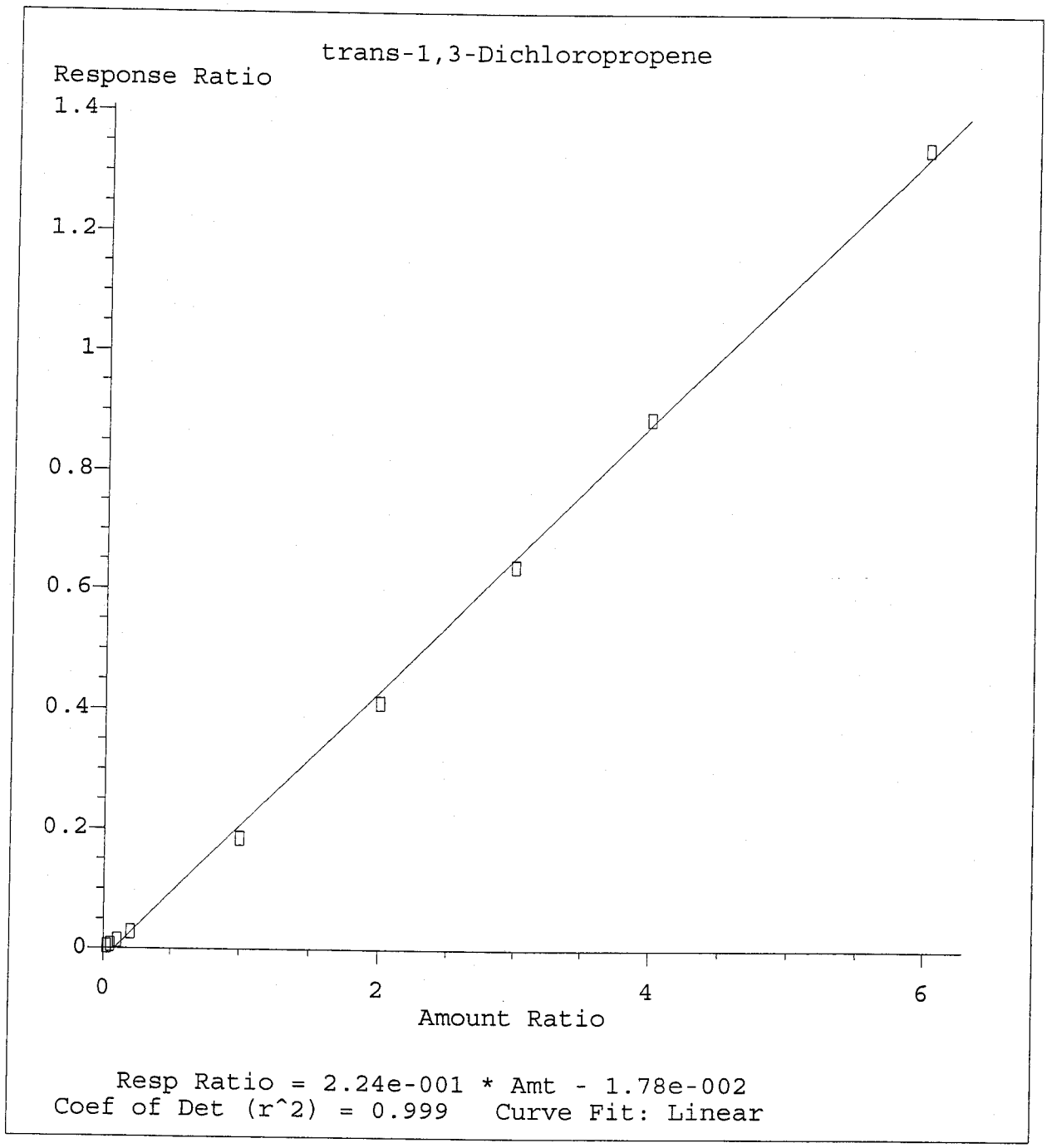
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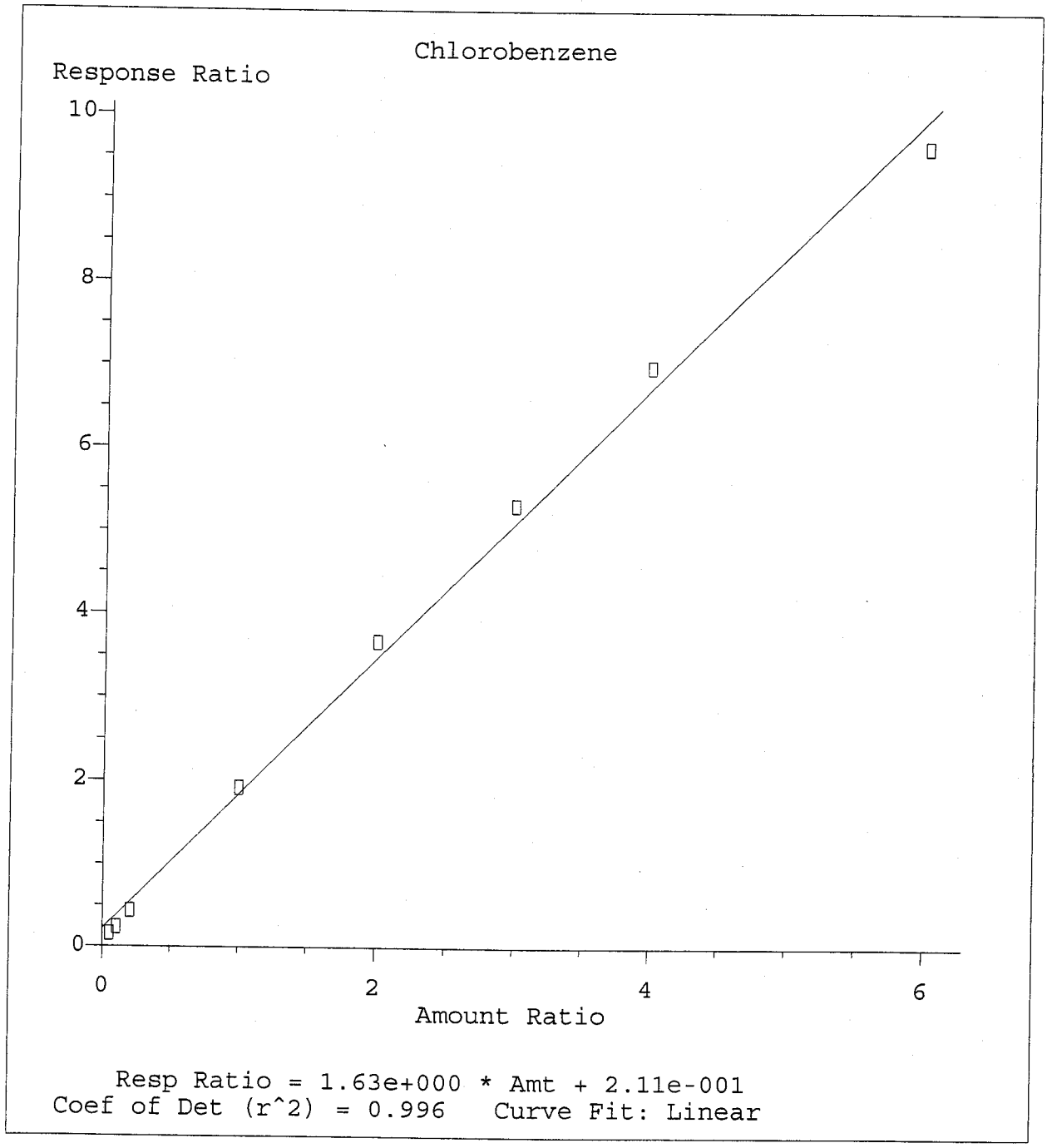
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Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



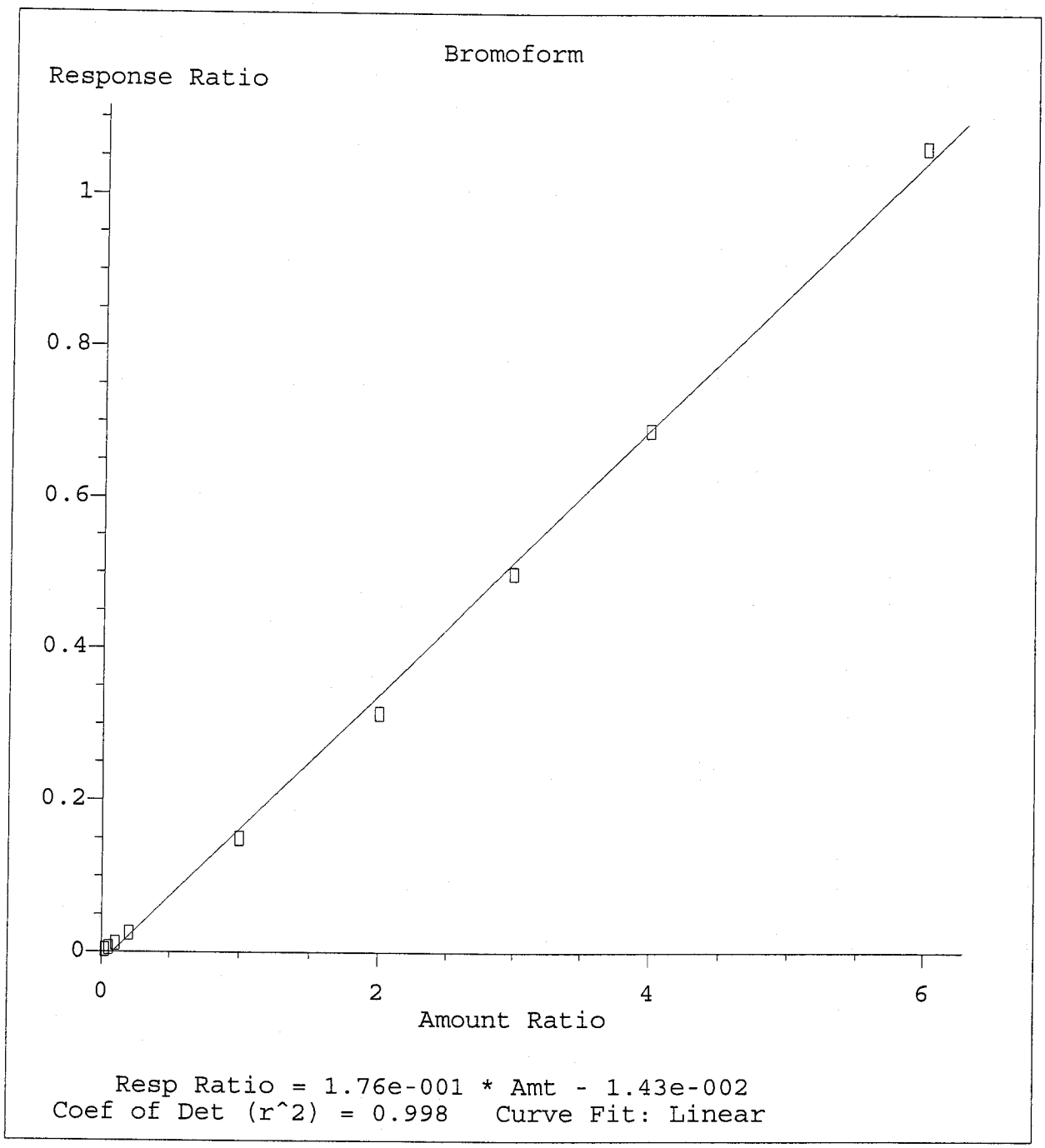
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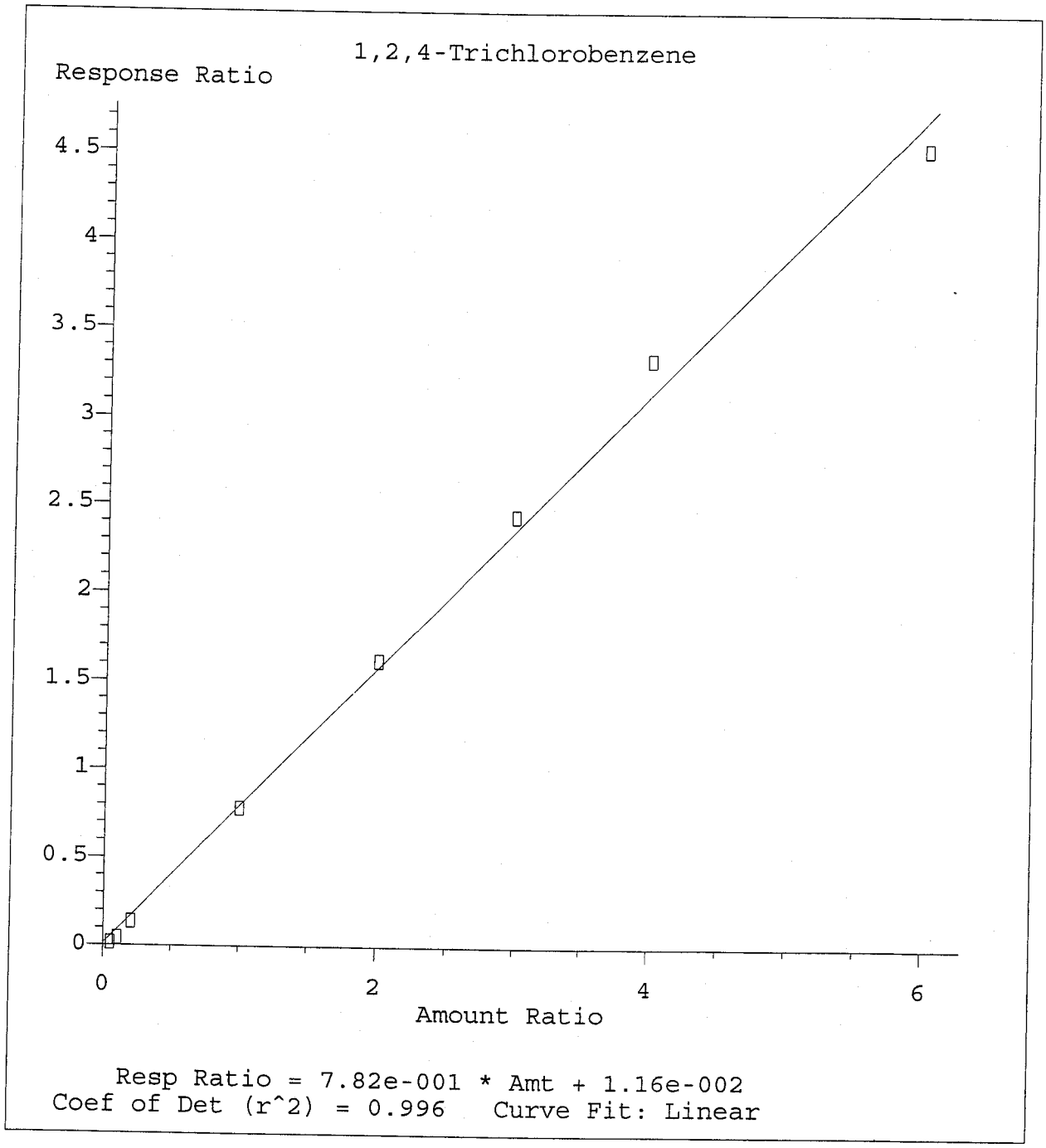
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Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



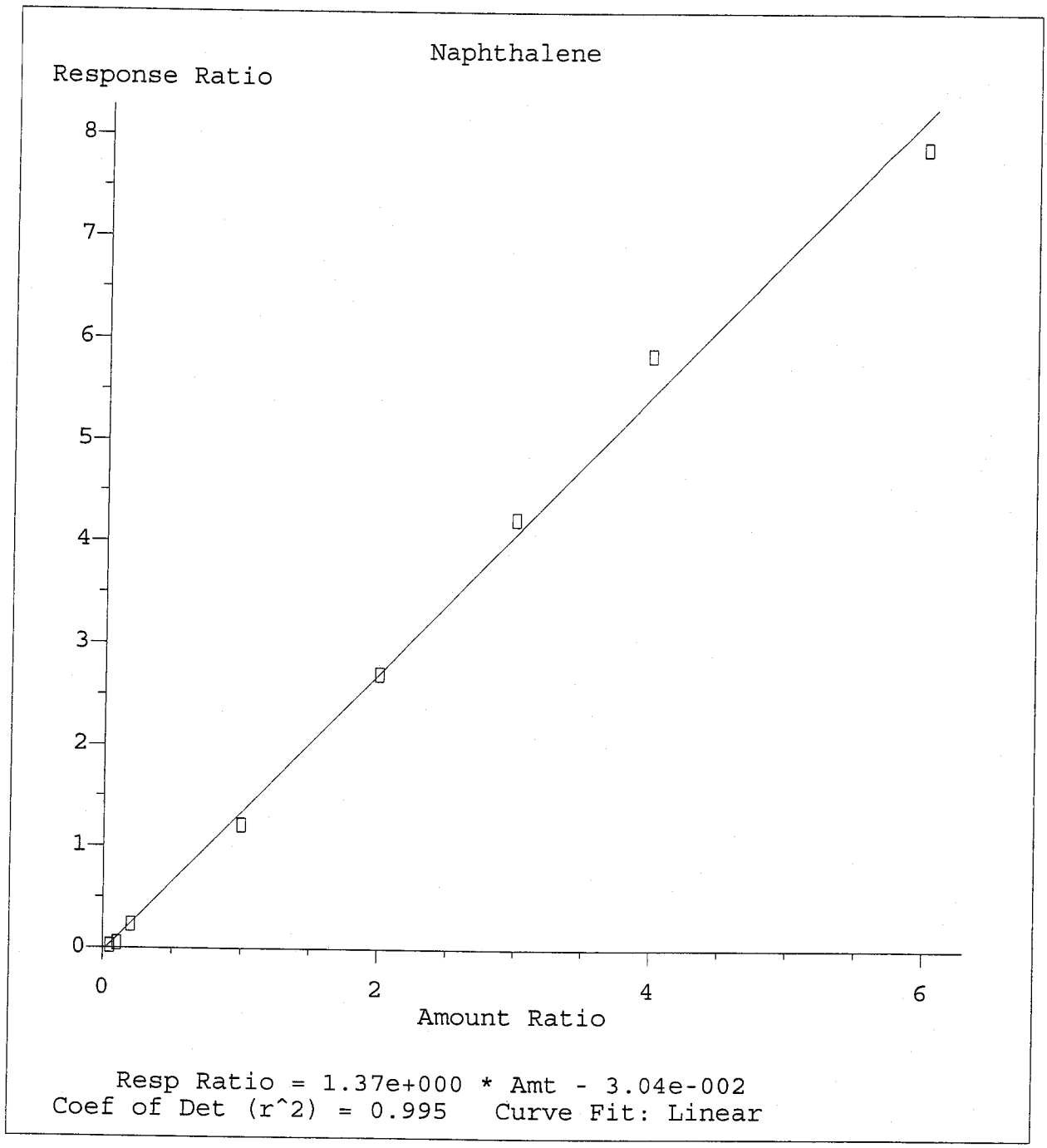
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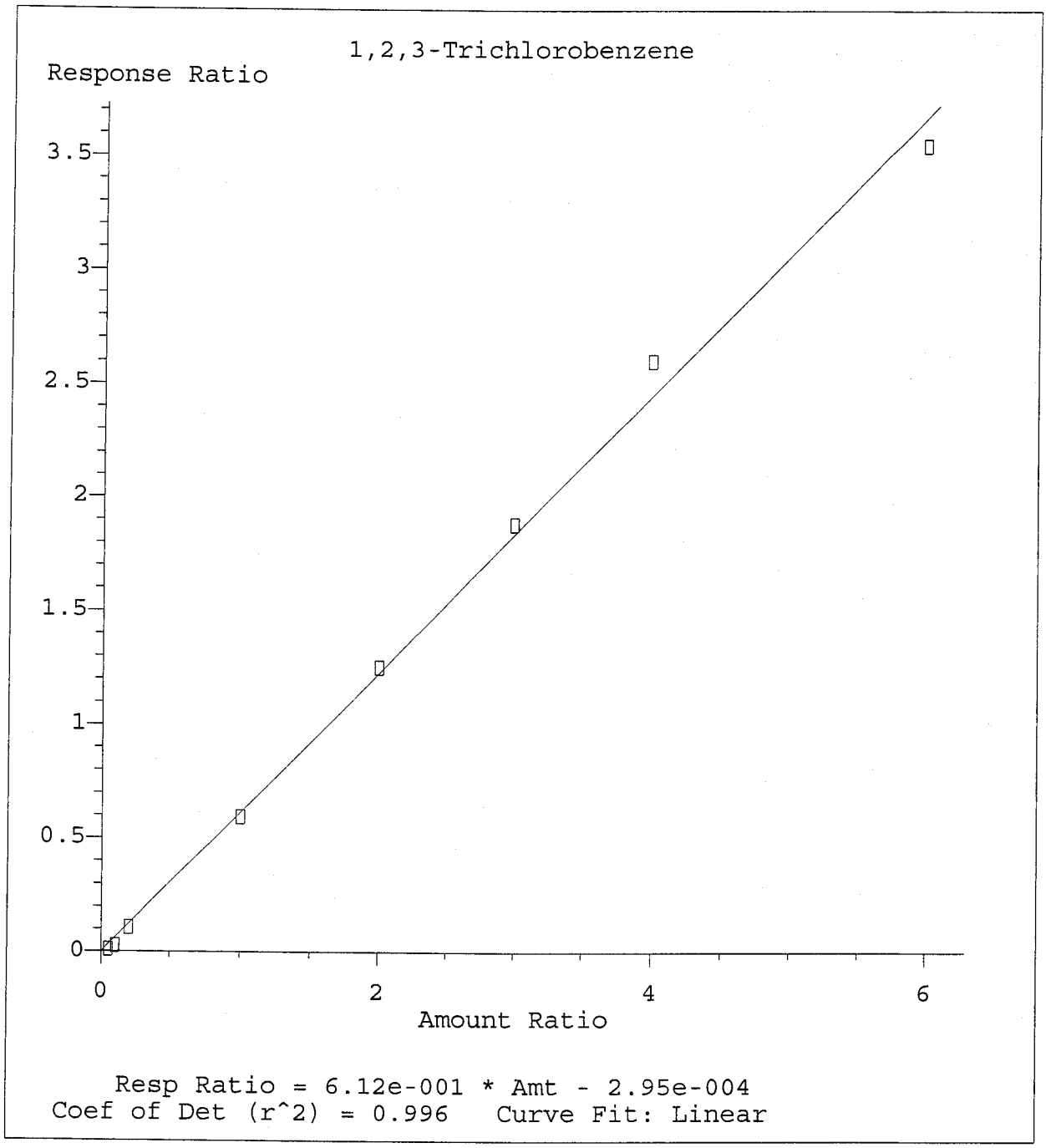
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Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24697
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MS04_73	**Initial Calibration ID:**	1853
Second Source ID:	2SRC-24697	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	17	-15.0	
1,1,1,2-Tetrachloroethane	10	9.08	-9.2	
1,1,1-Trichloroethane	10	8.84	-11.6	
1,1,2,2-Tetrachloroethane	10	9.63	-3.7	
1,1,2-Trichloroethane	10	9.31	-6.9	
1,1-Dichloroethane	10	9.23	-7.7	
1,1-Dichloroethene	10	8.76	-12.4	
1,1-Dichloropropene	10	8.14	-18.6	
1,2,3-Trichlorobenzene	10	9.3	-7.0	
1,2,3-Trichloropropane	10	9.52	-4.8	
1,2,4-Trichlorobenzene	10	9.15	-8.5	
1,2,4-Trimethylbenzene	10	9.02	-9.8	
1,2-Dibromo-3-chloropropane	10	9.56	-4.4	
1,2-Dibromoethane	10	8.39	-16.1	
1,2-Dichlorobenzene	10	9.34	-6.6	
1,2-Dichloroethane	10	8.89	-11.1	
1,2-Dichloropropane	10	9.08	-9.2	
1,3,5-Trimethylbenzene	10	9.02	-9.8	
1,3-Dichlorobenzene	10	9.1	-9.0	
1,3-Dichloropropane	10	8.95	-10.5	
1,4-Dichlorobenzene	10	9.21	-7.9	
1-Chlorohexane	10	8.5	-15.0	
2,2-Dichloropropane	10	9.22	-7.8	
2-Butanone	20	19.5	-2.7	
2-Chlorotoluene	10	9.23	-7.7	
4-Chlorotoluene	10	9.03	-9.7	
4-Methyl-2-pentanone	20	20.1	0.5	
Acetone	20	19.1	-4.4	
Benzene	10	8.56	-14.4	
Bromobenzene	10	9.2	-8.0	
Bromochloromethane	10	8.47	-15.3	
Bromodichloromethane	10	8.97	-10.3	
Bromoform	10	8.56	-14.4	
Bromomethane	10	10.1	0.9	
Carbon tetrachloride	10	8.68	-13.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24697
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MS04_73	**Initial Calibration ID:**	1853
Second Source ID:	2SRC-24697	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.02	-9.8	
Chloroethane	10	9.13	-8.7	
Chloroform	10	9.16	-8.4	
Chloromethane	10	8.45	-15.5	
cis-1,2-Dichloroethene	10	8.75	-12.5	
cis-1,3-Dichloropropene	10	8.87	-11.3	
Dibromochloromethane	10	8.8	-12.0	
Dibromomethane	10	8.68	-13.2	
Dichlorodifluoromethane	10	9.26	-7.4	
Ethylbenzene	10	8.38	-16.2	
Hexachlorobutadiene	10	9.17	-8.3	
Isopropylbenzene	10	9.3	-7.0	
Methyl tert-butyl ether	10	9.13	-8.7	
Methylene chloride	10	9.09	-9.1	
n-Butylbenzene	10	9.17	-8.3	
n-Propylbenzene	10	9.07	-9.3	
Naphthalene	10	9.48	-5.2	
o-Xylene	10	8.56	-14.4	
p-Isopropyltoluene	10	9.18	-8.2	
sec-Butylbenzene	10	9.12	-8.8	
Styrene	10	8.87	-11.3	
tert-Butylbenzene	10	9.27	-7.3	
Tetrachloroethene	10	7.91	-20.9	
Toluene	10	8.55	-14.5	
trans-1,2-Dichloroethene	10	8.26	-17.4	
trans-1,3-Dichloropropene	10	9.32	-6.8	
Trichloroethene	10	8.4	-16.0	
Trichlorofluoromethane	10	9.56	-4.4	
Vinyl chloride	10	10.8	7.9	
Xylenes (total)	30	25.6	-14.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120927A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24699 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
1,1,2,2-Tetrachloroethane *			0.551	-8.7			
1,1-Dichloroethane *			0.434	2.4			
Bromoform *			0.138	-13.7			
Chlorobenzene *			1.86	1.4			
Chloromethane *			0.43	6.4			
1,1-Dichloroethene #				5.9			
1,2-Dichloropropane #				-4.3			
Chloroform #				4.9			
Ethylbenzene #				-3.4			
Toluene #				1.6			
Vinyl chloride #				12.2			
(m+p)-Xylene				3.7			
1,1,1,2-Tetrachloroethane				9.3			
1,1,1-Trichloroethane				9.6			
1,1,2-Trichloroethane				1.0			
1,1-Dichloropropene				0.8			
1,2,3-Trichlorobenzene				-1.1			
1,2,3-Trichloropropane				-3.3			
1,2,4-Trichlorobenzene				-1.2			
1,2,4-Trimethylbenzene				-0.8			
1,2-Dibromo-3-chloropropane				-21.7			*
1,2-Dibromoethane				2.0			
1,2-Dichlorobenzene				0.4			
1,2-Dichloroethane				7.1			
1,2-Dichloroethane-d4				2.8			
1,3,5-Trimethylbenzene				-2.0			
1,3-Dichlorobenzene				-2.2			
1,3-Dichloropropane				0.9			
1,4-Dichlorobenzene				-4.5			
1-Chlorohexane				2.1			
2,2-Dichloropropane				1.3			
2-Butanone				3.9			
2-Chlorotoluene				-4.9			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120927A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24699 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
4-Bromofluorobenzene				-15.1			
4-Chlorotoluene				-1.8			
4-Methyl-2-pentanone				-2.1			
Acetone				-4.5			
Benzene				0.6			
Bromobenzene				-3.4			
Bromochloromethane				8.1			
Bromodichloromethane				1.8			
Bromomethane				26.6			*
Carbon tetrachloride				1.6			
Chloroethane				-0.3			
cis-1,2-Dichloroethene				3.2			
cis-1,3-Dichloropropene				-14.5			
Dibromochloromethane				-0.5			
Dibromomethane				2.9			
Dichlorodifluoromethane				33.7			*
Hexachlorobutadiene				10.8			
Isopropylbenzene				-2.7			
Methyl tert-butyl ether				-6.3			
Methylene chloride				1.9			
n-Butylbenzene				3.2			
n-Propylbenzene				-2.5			
Naphthalene				-3.6			
o-Xylene				1.9			
p-Isopropyltoluene				1.7			
sec-Butylbenzene				-1.8			
Styrene				7.4			
tert-Butylbenzene				-2.3			
Tetrachloroethene				6.1			
Toluene-d8				-4.8			
trans-1,2-Dichloroethene				2.4			
trans-1,3-Dichloropropene				-15.2			
Trichloroethene				2.0			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120927A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24699 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Trichlorofluoromethane				18.6			
Xylenes (total)				3.1			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24699
Initial Calibration ID:	1853	**File ID:**	R1128.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24699
Initial Calibration ID:	1853	**File ID:**	R1128.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.160	1.00	U
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	92	76 - 119	
Toluene-d8	101	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24699
Initial Calibration ID:	1853	**File ID:**	R1128.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	505715	271303 - 1085212	
Chlorobenzene-d5	562843	315344 - 1261376	
Fluorobenzene	1422000	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24699 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1125.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.1	100	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.3	103	81 - 129	
1,1,1-Trichloroethane	10	10.7	107	67 - 132	
1,1,2,2-Tetrachloroethane	10	8.90	89	63 - 128	
1,1,2-Trichloroethane	10	9.91	99	75 - 125	
1,1-Dichloroethane	10	10.0	101	69 - 133	
1,1-Dichloroethene	10	10.8	108	68 - 130	
1,1-Dichloropropene	10	10.2	102	73 - 132	
1,2,3-Trichlorobenzene	10	9.93	99	67 - 137	
1,2,3-Trichloropropane	10	9.75	98	73 - 124	
1,2,4-Trichlorobenzene	10	9.77	98	66 - 134	
1,2,4-Trimethylbenzene	10	10.5	105	74 - 132	
1,2-Dibromo-3-chloropropane	10	7.92	79	50 - 132	
1,2-Dibromoethane	10	10.0	100	80 - 121	
1,2-Dichlorobenzene	10	9.91	99	71 - 122	
1,2-Dichloroethane	10	10.6	106	69 - 132	
1,2-Dichloropropane	10	9.59	96	75 - 125	
1,3,5-Trimethylbenzene	10	9.89	99	74 - 131	
1,3-Dichlorobenzene	10	9.66	97	75 - 124	
1,3-Dichloropropane	10	9.74	97	73 - 126	
1,4-Dichlorobenzene	10	9.80	98	74 - 123	
1-Chlorohexane	10	10.2	102	70 - 125	
2,2-Dichloropropane	10	9.13	91	69 - 137	
2-Butanone	20	18.9	95	49 - 136	
2-Chlorotoluene	10	9.46	95	73 - 126	
4-Chlorotoluene	10	9.53	95	74 - 128	
4-Methyl-2-pentanone	20	19.1	95	58 - 134	
Acetone	20	20.2	101	40 - 135	
Benzene	10	10.1	101	81 - 122	
Bromobenzene	10	9.47	95	76 - 124	
Bromochloromethane	10	10.8	108	65 - 129	
Bromodichloromethane	10	9.69	97	76 - 121	
Bromoform	10	8.61	86	69 - 128	
Bromomethane	10	13.9	139	30 - 141	
Carbon tetrachloride	10	9.73	97	66 - 138	
Chlorobenzene	10	9.67	97	81 - 122	
Chloroethane	10	9.85	98	58 - 133	
Chloroform	10	10.3	103	69 - 128	
Chloromethane	10	9.24	92	56 - 131	
cis-1,2-Dichloroethene	10	10.2	102	72 - 126	
cis-1,3-Dichloropropene	10	8.17	82	69 - 131	
Dibromochloromethane	10	9.64	96	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24699 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1125.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	10.1	101	76 - 125	
Dichlorodifluoromethane	10	12.3	123	30 - 153	
Ethylbenzene	10	9.97	100	73 - 127	
Hexachlorobutadiene	10	10.3	103	67 - 131	
Isopropylbenzene	10	10.6	106	75 - 127	
Methyl tert-butyl ether	10	8.95	90	65 - 123	
Methylene chloride	10	10.0	100	63 - 137	
n-Butylbenzene	10	10.4	104	69 - 137	
n-Propylbenzene	10	9.89	99	72 - 129	
Naphthalene	10	10.1	101	54 - 138	
o-Xylene	10	9.78	98	80 - 121	
p-Isopropyltoluene	10	10.3	103	73 - 130	
sec-Butylbenzene	10	9.57	96	72 - 127	
Styrene	10	7.72	77	65 - 134	
tert-Butylbenzene	10	9.68	97	70 - 129	
Tetrachloroethene	10	10.3	103	66 - 128	
Toluene	10	10.2	102	77 - 122	
trans-1,2-Dichloroethene	10	10.6	106	63 - 137	
trans-1,3-Dichloropropene	10	7.92	79	59 - 135	
Trichloroethene	10	10.1	101	70 - 127	
Trichlorofluoromethane	10	11.4	114	57 - 129	
Vinyl chloride	10	11.7	117	50 - 134	
Xylenes (total)	30	29.9	100	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	92	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	517094	271303 - 1085212	
Chlorobenzene-d5	582469	315344 - 1261376	
Fluorobenzene	1406815	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-24699 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1126.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.2	101	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.4	104	81 - 129	
1,1,1-Trichloroethane	10	10.5	105	67 - 132	
1,1,2,2-Tetrachloroethane	10	8.79	88	63 - 128	
1,1,2-Trichloroethane	10	9.75	98	75 - 125	
1,1-Dichloroethane	10	10.0	101	69 - 133	
1,1-Dichloroethene	10	10.6	106	68 - 130	
1,1-Dichloropropene	10	10.1	101	73 - 132	
1,2,3-Trichlorobenzene	10	9.44	94	67 - 137	
1,2,3-Trichloropropane	10	9.35	94	73 - 124	
1,2,4-Trichlorobenzene	10	9.45	94	66 - 134	
1,2,4-Trimethylbenzene	10	10.5	105	74 - 132	
1,2-Dibromo-3-chloropropane	10	7.99	80	50 - 132	
1,2-Dibromoethane	10	10.0	100	80 - 121	
1,2-Dichlorobenzene	10	9.67	97	71 - 122	
1,2-Dichloroethane	10	10.4	104	69 - 132	
1,2-Dichloropropane	10	9.56	96	75 - 125	
1,3,5-Trimethylbenzene	10	9.86	99	74 - 131	
1,3-Dichlorobenzene	10	9.57	96	75 - 124	
1,3-Dichloropropane	10	9.64	96	73 - 126	
1,4-Dichlorobenzene	10	9.77	98	74 - 123	
1-Chlorohexane	10	10.3	103	70 - 125	
2,2-Dichloropropane	10	9.66	97	69 - 137	
2-Butanone	20	18.3	91	49 - 136	
2-Chlorotoluene	10	9.43	94	73 - 126	
4-Chlorotoluene	10	9.49	95	74 - 128	
4-Methyl-2-pentanone	20	18.0	90	58 - 134	
Acetone	20	19.0	95	40 - 135	
Benzene	10	9.92	99	81 - 122	
Bromobenzene	10	9.44	94	76 - 124	
Bromochloromethane	10	10.5	105	65 - 129	
Bromodichloromethane	10	9.61	96	76 - 121	
Bromoform	10	8.33	83	69 - 128	
Bromomethane	10	14.2	142	30 - 141	*
Carbon tetrachloride	10	9.94	99	66 - 138	
Chlorobenzene	10	9.63	96	81 - 122	
Chloroethane	10	9.76	98	58 - 133	
Chloroform	10	10.2	102	69 - 128	
Chloromethane	10	9.12	91	56 - 131	
cis-1,2-Dichloroethene	10	10.2	102	72 - 126	
cis-1,3-Dichloropropene	10	8.10	81	69 - 131	
Dibromochloromethane	10	9.41	94	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-24699 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1126.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	10.2	102	76 - 125	
Dichlorodifluoromethane	10	11.7	117	30 - 153	
Ethylbenzene	10	9.97	100	73 - 127	
Hexachlorobutadiene	10	10.4	104	67 - 131	
Isopropylbenzene	10	10.6	106	75 - 127	
Methyl tert-butyl ether	10	9.52	95	65 - 123	
Methylene chloride	10	9.80	98	63 - 137	
n-Butylbenzene	10	10.3	103	69 - 137	
n-Propylbenzene	10	9.86	99	72 - 129	
Naphthalene	10	9.73	97	54 - 138	
o-Xylene	10	9.82	98	80 - 121	
p-Isopropyltoluene	10	10.4	104	73 - 130	
sec-Butylbenzene	10	9.52	95	72 - 127	
Styrene	10	9.10	91	65 - 134	
tert-Butylbenzene	10	9.74	97	70 - 129	
Tetrachloroethene	10	10.4	104	66 - 128	
Toluene	10	10.0	100	77 - 122	
trans-1,2-Dichloroethene	10	10.6	106	63 - 137	
trans-1,3-Dichloropropene	10	8.02	80	59 - 135	
Trichloroethene	10	9.82	98	70 - 127	
Trichlorofluoromethane	10	11.4	114	57 - 129	
Vinyl chloride	10	11.4	114	50 - 134	
Xylenes (total)	30	30.1	100	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	91	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	529201	271303 - 1085212	
Chlorobenzene-d5	593773	315344 - 1261376	
Fluorobenzene	1442692	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
775M2771NA	K1209273-001A	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MS04_73 **Calibration ID:** 1853

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB120919A4	TB120919A4	10-Sep-12	9:53	10-Sep-12	10:34
ICAL 0.25 ppb	ICAL 0.25 ppb	10-Sep-12	10:34	10-Sep-12	11:06
ICAL 0.50 ppb	ICAL 0.50 ppb	10-Sep-12	11:06	10-Sep-12	11:38
ICAL 1.0 ppb	ICAL 1.0 ppb	10-Sep-12	11:38	10-Sep-12	12:41
ICAL 10 ppb	ICAL 10 ppb	10-Sep-12	12:41	10-Sep-12	13:13
ICAL 2.0 ppb	ICAL 2.0 ppb	10-Sep-12	13:13	10-Sep-12	13:45
2SRC-24697	2SRC-24697	10-Sep-12	13:45	10-Sep-12	14:17
ICAL 20 ppb	ICAL 20 ppb	10-Sep-12	14:17	10-Sep-12	14:48
ICAL 30 ppb	ICAL 30 ppb	10-Sep-12	14:48	10-Sep-12	15:20
ICAL 40 ppb	ICAL 40 ppb	10-Sep-12	15:20	10-Sep-12	16:24
ICAL 60 ppb	ICAL 60 ppb	10-Sep-12	16:24	10-Sep-12	16:24
TB120927A4	TB120927A4	27-Sep-12	9:42	27-Sep-12	10:14
CCV-24699	CCV-24699	27-Sep-12	9:42	27-Sep-12	10:14
LCS-24699	LCS-24699	27-Sep-12	10:14	27-Sep-12	10:46
LCSD-24699	LCSD-24699	27-Sep-12	10:46	27-Sep-12	11:50
MB-24699	MB-24699	27-Sep-12	11:50	27-Sep-12	12:41
775M2771NA	K1209273-001A	27-Sep-12	12:41	27-Sep-12	12:41

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS04_73_120710A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Injection Date/Time:**	9/10/2012 9:53:00 AM
Initial Calibration ID:	1853	**File ID:**	R0716.D
Compound:	SW8260B	**Sample ID:**	TB120919A4

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	17.1	
75	30 - 60% of m/z 95	39.9	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.8	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	72.5	
175	5 - 9% of m/z 174	7.4	
176	Greater than 95% but less than 101% of m/z 174	95.6	
177	5 - 9% of m/z 176	6.3	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS04_73_120927A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Injection Date/Time:**	9/27/2012 9:42:00 AM
Initial Calibration ID:	1853	**File ID:**	R1124.D
Compound:	SW8260B	**Sample ID:**	TB120927A4

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	16.6	
75	30 - 60% of m/z 95	41.1	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	77.1	
175	5 - 9% of m/z 174	7.7	
176	Greater than 95% but less than 101% of m/z 174	96.5	
177	5 - 9% of m/z 176	6.4	

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

Thursday, October 25, 2012

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - BLDG 775
RE: Analytical Results Order No.: K1209274

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received 16 sample(s) on 9/26/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-Bldg 775- Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were found upon sample receipt. The temperature of the well-iced cooler was 5.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

Client:	FPM
Project/Order:	Griffiss AFB – Bldg 775
Work Order #:	K1209274
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 10/25/12

Supervisor/Reviewed by (Initials/Date): 10/25/12

QA/QC Review (Initials/Date): AC for LK 10/25/12

File Name: U:\Narratives\MSVoa\K1209274msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24698	MS4	Bromomethane	33.8		1
		Dichlorodifluoromethane	33.3		1
		Hexachlorobutadiene	20.7		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Client:	FPM
Project/Order:	Griffiss AFB – Bldg 775
Work Order #:	K1209274
Methodology:	8260B

Miscellaneous

Sample 775M2880NA [12109274-010A] was scheduled for MS/MSD analysis but was not spiked due to laboratory error. The error was not discovered until holding time was expired so no MS/MSD is reported.

Life Science Laboratories, Inc.

Date: *25-Oct-12*

CLIENT: FPM Group
Project: Griffiss AFB - Bldg 775
Lab Order: K1209274

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209274-001A	775VM0465NA	775VMW-4	9/24/2012	9/26/2012
K1209274-002A	775VM0570NA	775VMW-5	9/24/2012	9/26/2012
K1209274-003A	775M0673NA	775MW-6	9/24/2012	9/26/2012
K1209274-004A	775VM0873NA	775VMW-8	9/24/2012	9/26/2012
K1209274-005A	775VM0992NA	775VMW-9	9/24/2012	9/26/2012
K1209274-006A	775VM1095NA	775VMW-10	9/24/2012	9/26/2012
K1209274-007A	775VM19R67NA	775MW-19R	9/24/2012	9/26/2012
K1209274-008A	775M20115NA	775MW-20	9/24/2012	9/26/2012
K1209274-009A	775VMW20R115NA	775VMW-20R	9/24/2012	9/26/2012
K1209274-010A	775M2880NA	775MW-28	9/24/2012	9/26/2012
K1209274-011A	775M2880NC	775MW-28	9/24/2012	9/26/2012
K1209274-012A	775E0175NA	775EW-1	9/24/2012	9/26/2012
K1209274-013A	775EF0101NA	775EF-1	9/24/2012	9/26/2012
K1209274-014A	092412NE	FIELDQC	9/24/2012	9/26/2012
K1209274-015A	092412NF	FIELDQC	9/24/2012	9/26/2012
K1209274-016A	092412NR	FIELDQC	9/24/2012	9/26/2012

Lab Order: K1209274
Client: FPM Group
Project: Griffiss AFB - Bldg 775

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209274-001A	775VM0465NA	9/24/2012 10:52:00 AM	Groundwater	Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-002A	775VM0570NA	9/24/2012 11:26:00 AM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-003A	775M0673NA	9/24/2012 2:08:00 PM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-004A	775VM0873NA	9/24/2012 2:46:00 PM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-005A	775VM0992NA	9/24/2012 11:25:00 AM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-006A	775VM1095NA	9/24/2012 1:49:00 PM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-007A	775VM19R67NA	9/24/2012 3:51:00 PM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-008A	775M20115NA	9/24/2012 3:09:00 PM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-009A	775VMW20R115NA	9/24/2012 5:03:00 PM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-010A	775M2880NA	9/24/2012 3:50:00 PM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-011A	775M2880NC			Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-012A	775E0175NA	9/24/2012 12:30:00 PM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-013A	775EF0101NA	9/24/2012 11:36:00 AM		Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-014A	092412NE	9/24/2012 8:30:00 AM	Water Q	Volatile Organic Compounds by GC/MS			9/26/2012
K1209274-015A	092412NF	9/24/2012 11:42:00 AM		Volatile Organic Compounds by GC/MS			9/27/2012
K1209274-016A	092412NR	9/24/2012 9:15:00 AM		Volatile Organic Compounds by GC/MS			9/27/2012

External Chain of Custody

K1209274

AFCEE
CHAIN OF CUSTODY RECORD

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COC#: _A_ SDG#: ~~_276_~~ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: K. Mattice	

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
01	775VM0465NA	775VMW-4	9/24	1052	WG	BP	N	0/0	3	3	
02	775VM0570NA	775VMW-5	9/24	1126	WG	BP	N	0/0	3	3	
03	775M0673NA	775MW-6	9/24	1408	WG	BP	N	0/0	3	3	
04	775VM0873NA	775VMW-8	9/24	1446	WG	BP	N	0/0	3	3	
05	775VM0992NA	775VMW-9	9/24	1125	WG	BP	N	0/0	3	3	
06	775VM1095NA	775VMW-10	9/24	1349	WG	BP	N	0/0	3	3	
07	775VM19R67NA	775MW-19R	9/24	1551	WG	BP	N	0/0	3	3	
08	775M20115NA	775MW-20	9/24	1509	WG	BP	N	0/0	3	3	
09	775VM20R115NA	775VMW-20R	9/24	1703	WG	BP	N	0/0	3	3	
10	775M2880NA	775MW-28	9/24	1550	WG	BP	N	0/0	3	3	
11	775M2880NC	775MW-28	9/24	1550	WG	BP	FD	0/0	3	3	
10	775M2880NS	775MW-28	9/24	1550	WG	BP	MS	0/0	3	3	
10	775M2880ND	775MW-28	9/24	1550	WG	BP	SD	0/0	3	3	
12	775E0175NA	775EW-1	9/24	1230	WG	BP	N	0/0	3	3	
13	775EF0101NA	775EF-1	9/24	1136	WG	G	N	0/0	3	3	

K1209274

14	092412NE	FIELDQC	9/24	0830	WQ	BP	EB	0/0	3	3	
15	092412NF	FIELDQC	9/24	1142	WQ	NA	AB	0/0	3	3	
16	092412NR	FIELDQC	9/24	0915	WQ	NA	TB	0/0	2	2	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 5.0°C on Ice

Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) [signature]	Date: 9-26-12	#3 Released by: (Sig) Bill Donaldson	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name: Life Science Labs	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig) [signature]	Date: 9-26-12
Company Name: FPM Group Ltd	Time:	Company Name: Life Science Labs	Time: 0925	Company Name: LSC	Time: 14:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **9/26/2012 2:10:00 PM**

Work Order Number: **K1209274**

Received by: gis

Checklist completed by: 6S (Initials) 9-26-12 (Date)

Reviewed by: AC (Initials) 9-27-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Client/Project FPM / K1209274 Rec'd 9-26-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1209274-001→16	A			Stored in Fridge 1B	8260	9/26/12 1400
K1209274-001→18	A		(MW)	9/26/12 0600	8260	NR

Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24698

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
775VM0465NA	K1209274-001A
775VM0570NA	K1209274-002A
775M0673NA	K1209274-003A
775VM0873NA	K1209274-004A
775VM0992NA	K1209274-005A
775VM1095NA	K1209274-006A
775VM19R67NA	K1209274-007A
775M20115NA	K1209274-008A
775VMW20R115NA	K1209274-009A
775M2880NA	K1209274-010A
775M2880NC	K1209274-011A
775E0175NA	K1209274-012A
775EF0101NA	K1209274-013A
092412NE	K1209274-014A
092412NF	K1209274-015A
092412NR	K1209274-016A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: _____ Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0465NA	**Lab Sample ID:**	K1209274-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1102.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.180	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0465NA	**Lab Sample ID:**	K1209274-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1102.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.610	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	6.03	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0465NA	**Lab Sample ID:**	K1209274-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1102.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	518573	271303 - 1085212	
Chlorobenzene-d5	590609	315344 - 1261376	
Fluorobenzene	1498520	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570NA	**Lab Sample ID:**	K1209274-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1103.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.320	2		F
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		U
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	2.00	2		U
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570NA	**Lab Sample ID:**	K1209274-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1103.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	0.200	2		U
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	0.320	2		U
Methylene chloride	0.320	2.00	0.320	2		U
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	0.200	2		U
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	56.9	2		
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	0.660	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570NA	**Lab Sample ID:**	K1209274-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1103.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	500399	271303 - 1085212	
Chlorobenzene-d5	583468	315344 - 1261376	
Fluorobenzene	1465704	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673NA	**Lab Sample ID:**	K1209274-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1104.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.160	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673NA	**Lab Sample ID:**	K1209274-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1104.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.740	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	18.5	1		
Trichlorofluoromethane	0.100	1.00	0.270	1		F
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673NA	**Lab Sample ID:**	K1209274-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1104.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	500570	271303 - 1085212	
Chlorobenzene-d5	578441	315344 - 1261376	
Fluorobenzene	1450639	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873NA	**Lab Sample ID:**	K1209274-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1105.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.390	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873NA	**Lab Sample ID:**	K1209274-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1105.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	25.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873NA	**Lab Sample ID:**	K1209274-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1105.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	480447	271303 - 1085212	
Chlorobenzene-d5	566982	315344 - 1261376	
Fluorobenzene	1413294	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0992NA	**Lab Sample ID:**	K1209274-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1106.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0992NA	**Lab Sample ID:**	K1209274-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1106.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.170	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.510	1		F
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0992NA	**Lab Sample ID:**	K1209274-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1106.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	470114	271303 - 1085212	
Chlorobenzene-d5	552446	315344 - 1261376	
Fluorobenzene	1395847	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095NA	**Lab Sample ID:**	K1209274-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1107.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.350	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095NA	**Lab Sample ID:**	K1209274-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1107.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	41.5	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095NA	**Lab Sample ID:**	K1209274-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1107.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	466643	271303 - 1085212	
Chlorobenzene-d5	544562	315344 - 1261376	
Fluorobenzene	1366276	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67NA	**Lab Sample ID:**	K1209274-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1108.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67NA	**Lab Sample ID:**	K1209274-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1108.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.150	1		F
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67NA	**Lab Sample ID:**	K1209274-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1108.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	458293	271303 - 1085212	
Chlorobenzene-d5	542101	315344 - 1261376	
Fluorobenzene	1346821	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115NA	**Lab Sample ID:**	K1209274-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1109.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.170	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.870	1		F
1,1-Dichloroethene	0.160	1.00	0.810	1		F
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115NA	**Lab Sample ID:**	K1209274-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1109.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.130	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	12.2	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115NA	**Lab Sample ID:**	K1209274-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1109.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	461312	271303 - 1085212	
Chlorobenzene-d5	537767	315344 - 1261376	
Fluorobenzene	1334935	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VMW20R115NA	**Lab Sample ID:**	K1209274-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1110.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VMW20R115NA	**Lab Sample ID:**	K1209274-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1110.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VMW20R115NA	**Lab Sample ID:**	K1209274-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1110.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	448211	271303 - 1085212	
Chlorobenzene-d5	532752	315344 - 1261376	
Fluorobenzene	1324716	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NA	**Lab Sample ID:**	K1209274-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1111.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NA	**Lab Sample ID:**	K1209274-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1111.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	1.12	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NA	**Lab Sample ID:**	K1209274-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1111.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	448929	271303 - 1085212	
Chlorobenzene-d5	536152	315344 - 1261376	
Fluorobenzene	1333423	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NC	**Lab Sample ID:**	K1209274-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1114.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.99	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NC	**Lab Sample ID:**	K1209274-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1114.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	1.08	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880NC	**Lab Sample ID:**	K1209274-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1114.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	429769	271303 - 1085212	
Chlorobenzene-d5	513938	315344 - 1261376	
Fluorobenzene	1283962	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175NA	**Lab Sample ID:**	K1209274-012A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1115.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.410	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175NA	**Lab Sample ID:**	K1209274-012A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1115.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.450	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175NA	**Lab Sample ID:**	K1209274-012A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1115.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	434946	271303 - 1085212	
Chlorobenzene-d5	525640	315344 - 1261376	
Fluorobenzene	1305963	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101NA	**Lab Sample ID:**	K1209274-013A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1116.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.390	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101NA	**Lab Sample ID:**	K1209274-013A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1116.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.520	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	42.6	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101NA	**Lab Sample ID:**	K1209274-013A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1116.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	429453	271303 - 1085212	
Chlorobenzene-d5	518804	315344 - 1261376	
Fluorobenzene	1274941	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NE	**Lab Sample ID:**	K1209274-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1117.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260B
Preparatory Method:
AAB #: R24698
Lab Name: Life Science Laboratories, Inc.
Contract #:
Field Sample ID: 092412NE
Lab Sample ID: K1209274-014A
Matrix: Water Q
% Solids: 0
Initial Calibration ID: 1853
File ID: R1117.D
Date Received: 26-Sep-12
Date Extracted:
Date Analyzed: 26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight): µg/L
Sample Size: 10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.130	1		F
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NE	**Lab Sample ID:**	K1209274-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1117.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	26-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	416097	271303 - 1085212	
Chlorobenzene-d5	506191	315344 - 1261376	
Fluorobenzene	1278328	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NF	**Lab Sample ID:**	K1209274-015A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1118.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NF	**Lab Sample ID:**	K1209274-015A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1118.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NF	**Lab Sample ID:**	K1209274-015A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1118.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	429111	271303 - 1085212	
Chlorobenzene-d5	520617	315344 - 1261376	
Fluorobenzene	1275678	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NR	**Lab Sample ID:**	K1209274-016A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1119.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NR	**Lab Sample ID:**	K1209274-016A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1119.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092412NR	**Lab Sample ID:**	K1209274-016A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1119.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	99	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	414858	271303 - 1085212	
Chlorobenzene-d5	512369	315344 - 1261376	
Fluorobenzene	1267719	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	**AAB #:**	
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Date of Initial Calibration:**	10-Sep-2012
Initial Calibration ID:	1853	**Concentration Units (ug/L or mg/kg):**	ug/L

SEE ATTACHED

Comments:

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Wed Sep 12 13:27:37 2012
Response Via : Initial Calibration

ICAL #

Calibration Files
0.25=R0717.D 0.50=R0718.D 1.0 =R0719.D
2.0 =R0722.D 10 =R0721.D 20 =R0724.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluorom	0.277	0.287	0.262	0.281	0.277	0.276	0.272	3.39
3)	P	Chloromethane	0.387	0.395	0.426	0.433	0.417	0.408	0.404	4.40
4)	CP	Vinyl chloride	0.231	0.225	0.223	0.244	0.249	0.253	0.242	4.96
5)		Bromomethane	0.090	0.095	0.096	0.093	0.092	0.097	0.096	4.51
6)		Chloroethane	0.132	0.120	0.123	0.128	0.124	0.124	0.123	3.66
7)		Trichlorofluorome	0.284	0.273	0.273	0.273	0.284	0.281	0.276	2.16
8)	CPM	1,1-Dichloroethen	0.220	0.221	0.213	0.213	0.224	0.223	0.216	3.68
9)		Carbon disulfide		1.026	0.849	0.729	0.863	0.864	0.862	9.34
10)		1,1,2-Trichloro-1	0.259	0.249	0.243	0.246	0.257	0.257	0.248	4.11
11)		Methyl iodide		0.069	0.085	0.193	0.222	0.308	0.227	45.53
12)		Acrolein	0.021	0.022	0.023	0.026	0.026	0.027	0.025	10.22
13)		Methylene chlorid		0.487	0.370	0.330	0.279	0.266	0.311	26.91
14)		Acetone	0.066	0.045	0.040	0.036	0.029	0.028	0.036	35.36
15)		trans-1,2-Dichlor	0.245	0.249	0.231	0.240	0.254	0.250	0.243	3.52
16)		Methyl acetate	0.080	0.079	0.081	0.091	0.075	0.078	0.079	6.28
17)		Methyl tert-Butyl	0.318	0.330	0.295	0.312	0.310	0.309	0.309	3.29
18)		tert-Butyl Alcoho	0.006	0.006	0.007	0.009	0.007	0.007	0.007	11.49
19)	P	1,1-Dichloroethan	0.431	0.428	0.401	0.424	0.439	0.436	0.424	3.43
20)		Acrylonitrile	0.039	0.049	0.046	0.052	0.050	0.051	0.049	8.33
21)		Vinyl acetate	0.178	0.165	0.178	0.195	0.226	0.218	0.208	14.50
22)		cis-1,2-Dichloroe	0.251	0.269	0.258	0.256	0.280	0.275	0.264	3.87
23)		2,2-Dichloropropa	0.198	0.184	0.186	0.187	0.217	0.224	0.208	9.33
24)		Bromochloromethan	0.088	0.096	0.098	0.101	0.104	0.103	0.099	5.04
25)		Cyclohexane	0.485	0.474	0.463	0.501	0.521	0.528	0.494	5.25
26)	CP	Chloroform	0.401	0.418	0.373	0.387	0.408	0.403	0.394	4.07
27)		Carbon tetrachlor	0.111	0.123	0.125	0.135	0.174	0.184	0.157	20.68
28)		Tetrahydrofuran							0.000	-1.00
29)		1,1,1-Trichloroet	0.230	0.250	0.241	0.246	0.285	0.287	0.264	8.35
30)		2-Butanone	0.045	0.038	0.042	0.046	0.041	0.043	0.043	5.47
31)		1,1-Dichloroprope	0.323	0.321	0.318	0.323	0.353	0.352	0.333	4.58
32)	M	Benzene	1.119	1.106	1.024	1.073	1.125	1.114	1.078	4.30
33)	S	1,2-Dichloroethan		0.187	0.176	0.180	0.183	0.183	0.181	1.98
34)		1,2-Dichloroethan	0.209	0.204	0.198	0.207	0.216	0.215	0.207	2.83
35)	M	Trichloroethene	0.281	0.261	0.267	0.263	0.282	0.277	0.269	3.97
36)		Methylcyclohexane	0.407	0.397	0.374	0.401	0.432	0.436	0.409	5.36
37)		Dibromomethane	0.088	0.108	0.099	0.101	0.111	0.111	0.105	7.33
38)	CP	1,2-Dichloropropa	0.267	0.266	0.260	0.272	0.281	0.283	0.272	3.12
39)		Bromodichlorometh	0.185	0.196	0.186	0.187	0.228	0.236	0.215	12.07
40)		2-Chloroethylviny				0.000	0.000	0.000	0.000	27.99 Q
41)		cis-1,3-Dichlorop	0.220	0.223	0.225	0.231	0.294	0.313	0.274	17.41
42)	CPM	Toluene	0.633	0.658	0.632	0.675	0.715	0.705	0.675	4.40
43)		4-Methyl-2-pentan	0.083	0.089	0.086	0.102	0.095	0.101	0.096	8.70
44)		trans-1,3-Dichlor	0.131	0.131	0.133	0.140	0.184	0.205	0.176	23.58
45)		1,1,2-Trichloroet	0.141	0.156	0.143	0.154	0.159	0.156	0.152	4.02

9/12/12

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Wed Sep 12 13:27:37 2012
Response Via : Initial Calibration

Calibration Files
0.25=R0717.D 0.50=R0718.D 1.0 =R0719.D
2.0 =R0722.D 10 =R0721.D 20 =R0724.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
46)		2-Hexanone	0.056	0.057	0.059	0.068	0.064	0.068	0.065	9.94
47)	I	Chlorobenzene-d5	----------	ISTD	----------					
48)	S	Toluene-d8		2.696	2.432	2.415	2.488	2.397	2.380	7.61
49)		Tetrachloroethene	0.561	0.625	0.587	0.596	0.631	0.607	0.587	5.79
50)		Dibromochlorometh	0.266	0.268	0.251	0.258	0.331	0.345	0.308	14.63
51)		1,3-Dichloropropa	0.674	0.723	0.667	0.700	0.713	0.695	0.681	4.50
52)		1,2-Dibromoethane	0.324	0.369	0.333	0.349	0.384	0.376	0.359	5.72
53)		1-Chlorohexane	0.843	0.765	0.772	0.794	0.902	0.886	0.827	6.39
54)	PM	Chlorobenzene		3.063	2.325	2.138	1.913	1.830	2.048	22.96
55)	CP	Ethylbenzene	3.429	3.303	3.158	3.228	3.343	3.229	3.168	6.80
56)		1,1,1,2-Tetrachlo	0.348	0.353	0.347	0.352	0.415	0.417	0.387	9.04
57)		(m+p)-Xylene	1.283	1.253	1.221	1.270	1.358	1.327	1.267	4.62
58)		o-Xylene	1.234	1.200	1.159	1.224	1.319	1.302	1.232	4.61
59)		Styrene	1.543	1.643	1.636	1.792	2.013	2.010	1.819	9.69
60)	P	Bromoform	0.108	0.116	0.113	0.123	0.149	0.157	0.142	19.19
61)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
62)		Isopropylbenzene	3.161	3.102	3.142	3.241	3.411	3.374	3.195	5.24
63)	S	Bromofluorobenzen		1.096	0.983	0.994	1.002	0.996	1.002	3.90
64)		Bromobenzene	0.829	0.807	0.779	0.830	0.821	0.809	0.799	3.78
65)		n-Propylbenzene	4.361	4.247	4.300	4.550	4.791	4.709	4.408	6.52
66)	P	1,1,2,2-Tetrachlo	0.587	0.603	0.613	0.610	0.602	0.598	0.604	1.74
67)		1,3,5-Trimethylbe	2.738	2.719	2.773	2.933	3.132	3.119	2.910	5.98
68)		2-Chlorotoluene	2.825	2.957	2.975	3.126	3.131	3.111	3.019	3.90
69)		1,2,3-Trichloropr	0.110	0.122	0.125	0.117	0.122	0.124	0.122	4.44
70)		trans-1,4-Dichlor			0.021	0.026	0.034	0.040	0.040	35.37 Q
71)		4-Chlorotoluene	2.586	2.560	2.574	2.725	2.832	2.802	2.666	4.54
72)		tert-Butylbenzene	2.267	2.310	2.241	2.394	2.506	2.487	2.353	5.00
73)		1,2,4-Trimethylbe	2.508	2.619	2.725	2.915	3.078	3.038	2.825	7.09
74)		sec-Butylbenzene	3.584	3.549	3.493	3.805	3.970	3.892	3.667	6.08
75)		p-Isopropyltoluen	2.418	2.474	2.505	2.776	3.001	3.012	2.727	8.70
76)		1,3-Dichlorobenze	1.689	1.655	1.662	1.693	1.719	1.696	1.660	3.56
77)		1,4-Dichlorobenze	1.811	1.731	1.666	1.704	1.692	1.659	1.664	5.40
78)		n-Butylbenzene	2.165	2.251	2.365	2.874	3.004	3.057	2.695	13.11
79)		1,2-Dichlorobenze	1.391	1.436	1.412	1.527	1.514	1.504	1.451	4.14
80)		1,2-Dibromo-3-chl		0.074	0.050	0.064	0.053	0.056	0.059	12.81
81)		Hexachlorobutadie	0.261	0.277	0.279	0.383	0.341	0.354	0.321	13.13
82)		1,2,4-Trichlorobe		0.305	0.413	0.678	0.777	0.807	0.672	29.87
83)		Naphthalene		0.421	0.471	1.152	1.209	1.351	1.098	37.79
84)		1,2,3-Trichlorobe		0.178	0.261	0.528	0.591	0.625	0.506	35.90

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

Response Factor Report #4MS73

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Tue Sep 11 11:09:31 2012
Response Via : Initial Calibration

Calibration Files
30 =R0725.D 40 =R0726.D 60 =R0728.D

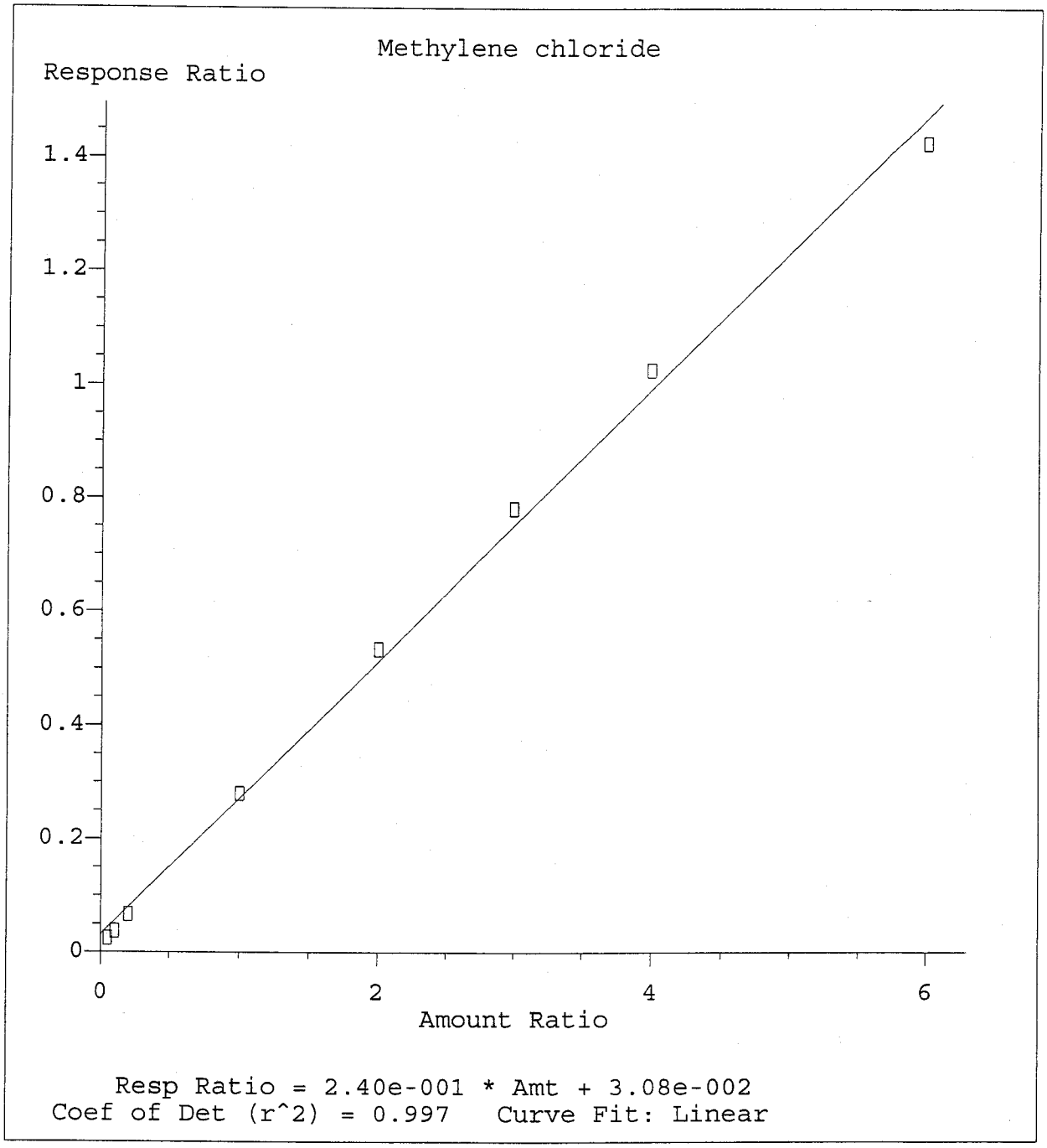
		Compound	30	40	60	Avg	%RSD
1)	I	Fluorobenzene	ISTD				
2)		Dichlorodifluorom	0.267	0.265	0.259		
3)	P	Chloromethane	0.393	0.396	0.383		
4)	CP	Vinyl chloride	0.246	0.249	0.254		
5)		Bromomethane	0.100	0.103	0.100		
6)		Chloroethane	0.122	0.119	0.118		
7)		Trichlorofluorome	0.274	0.271	0.268		
8)	CPM	1,1-Dichloroethen	0.218	0.216	0.198		
9)		Carbon disulfide	0.858	0.863	0.840		
10)		1,1,2-Trichloro-1	0.251	0.248	0.226		
11)		Methyl iodide	0.315	0.320	0.301		
12)		Acrolein	0.027	0.027	0.028		
13)		Methylene chlorid	0.260	0.256	0.237		
14)		Acetone	0.028	0.028	0.027		
15)		trans-1,2-Dichlor	0.245	0.245	0.228		
16)		Methyl acetate	0.075	0.080	0.075		
17)		Methyl tert-Butyl	0.305	0.305	0.300		
18)		tert-Butyl Alcoho	0.007	0.007	0.007		
19)	P	1,1-Dichloroethan	0.429	0.429	0.398		
20)		Acrylonitrile	0.049	0.052	0.053		
21)		Vinyl acetate	0.233	0.225	0.253		
22)		cis-1,2-Dichloroe	0.270	0.269	0.252		
23)		2,2-Dichloropropa	0.230	0.232	0.217		
24)		Bromochloromethan	0.102	0.102	0.097		
25)		Cyclohexane	0.516	0.507	0.457		
26)	CP	Chloroform	0.395	0.388	0.368		
27)		Carbon tetrachlor	0.188	0.191	0.181		
28)		Tetrahydrofuran					
29)		1,1,1-Trichloroet	0.283	0.284	0.267		
30)		2-Butanone	0.017	0.017	0.018		
31)		1,1-Dichloroprope	0.346	0.344	0.318		
32)	M	Benzene	1.083	1.071	0.987		
33)	S	1,2-Dichloroethan	0.178	0.178	0.180		
34)		1,2-Dichloroethan	0.209	0.207	0.201		
35)	M	Trichloroethene	0.270	0.268	0.249		
36)		Methylcyclohexane	0.425	0.424	0.383		
37)		Dibromomethane	0.109	0.110	0.108		
38)	CP	1,2-Dichloropropa	0.277	0.278	0.261		
39)		Bromodichlorometh	0.239	0.244	0.236		
40)		2-Chloroethylviny	0.000	0.000	0.000		
41)		cis-1,3-Dichlorop	0.317	0.327	0.317		
42)	CPM	Toluene	0.693	0.692	0.674		
43)		4-Methyl-2-pentan	0.100	0.102	0.106		
44)		trans-1,3-Dichlor	0.213	0.222	0.223		
45)		1,1,2-Trichloroet	0.155	0.156	0.153		

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Tue Sep 11 11:09:31 2012
Response Via : Initial Calibration

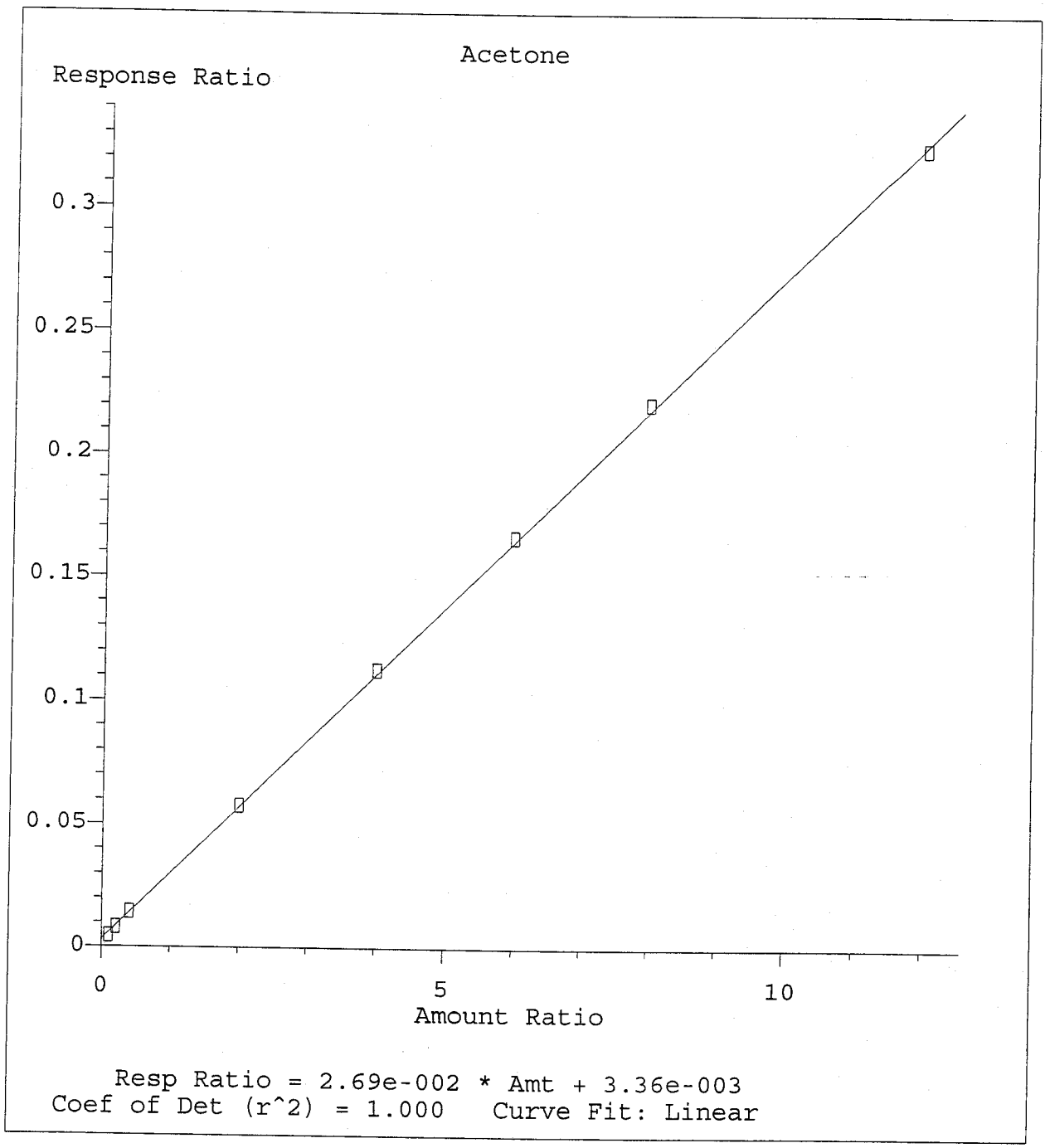
Calibration Files
30 =R0725.D 40 =R0726.D 60 =R0728.D

		Compound	30	40	60	Avg	%RSD
46)		2-Hexanone	0.069	0.071	0.074		
47)	I	Chlorobenzene-d5	ISTD				
48)	S	Toluene-d8	2.300	2.215	2.097		
49)		Tetrachloroethene	0.590	0.571	0.520		
50)		Dibromochlorometh	0.350	0.353	0.347		
51)		1,3-Dichloropropa	0.675	0.661	0.622		
52)		1,2-Dibromoethane	0.372	0.371	0.350		
53)		1-Chlorohexane	0.865	0.848	0.772		
54)	PM	Chlorobenzene	1.769	1.742	1.605		
55)	CP	Ethylbenzene	3.108	3.013	2.700		
56)		1,1,1,2-Tetrachlo	0.417	0.421	0.411		
57)		(m+p)-Xylene	1.281	1.260	1.154		
58)		o-Xylene	1.260	1.242	1.154		
59)		Styrene	1.953	1.939	1.841		
60)	P	Bromoform	0.166	0.172	0.177		
61)	I	1,4-Dichlorobenzene-d	ISTD				
62)		Isopropylbenzene	3.272	3.213	2.843		
63)	S	Bromofluorobenzen	0.984	0.981	0.976		
64)		Bromobenzene	0.792	0.789	0.734		
65)		n-Propylbenzene	4.509	4.387	3.815		
66)	P	1,1,2,2-Tetrachlo	0.592	0.605	0.621		
67)		1,3,5-Trimethylbe	3.046	3.007	2.721		
68)		2-Chlorotoluene	3.081	3.103	2.863		
69)		1,2,3-Trichloropr	0.123	0.126	0.128		
70)		trans-1,4-Dichlor	0.046	0.051	0.061		
71)		4-Chlorotoluene	2.732	2.705	2.477		
72)		tert-Butylbenzene	2.418	2.403	2.155		
73)		1,2,4-Trimethylbe	2.949	2.924	2.664		
74)		sec-Butylbenzene	3.766	3.700	3.249		
75)		p-Isopropyltoluen	2.912	2.878	2.567		
76)		1,3-Dichlorobenze	1.667	1.643	1.516		
77)		1,4-Dichlorobenze	1.623	1.608	1.487		
78)		n-Butylbenzene	2.970	2.960	2.608		
79)		1,2-Dichlorobenze	1.467	1.456	1.348		
80)		1,2-Dibromo-3-chl	0.058	0.060	0.060		
81)		Hexachlorobutadie	0.338	0.350	0.302		
82)		1,2,4-Trichlorobe	0.811	0.832	0.755		
83)		Naphthalene	1.408	1.460	1.314		
84)		1,2,3-Trichlorobe	0.626	0.650	0.591		

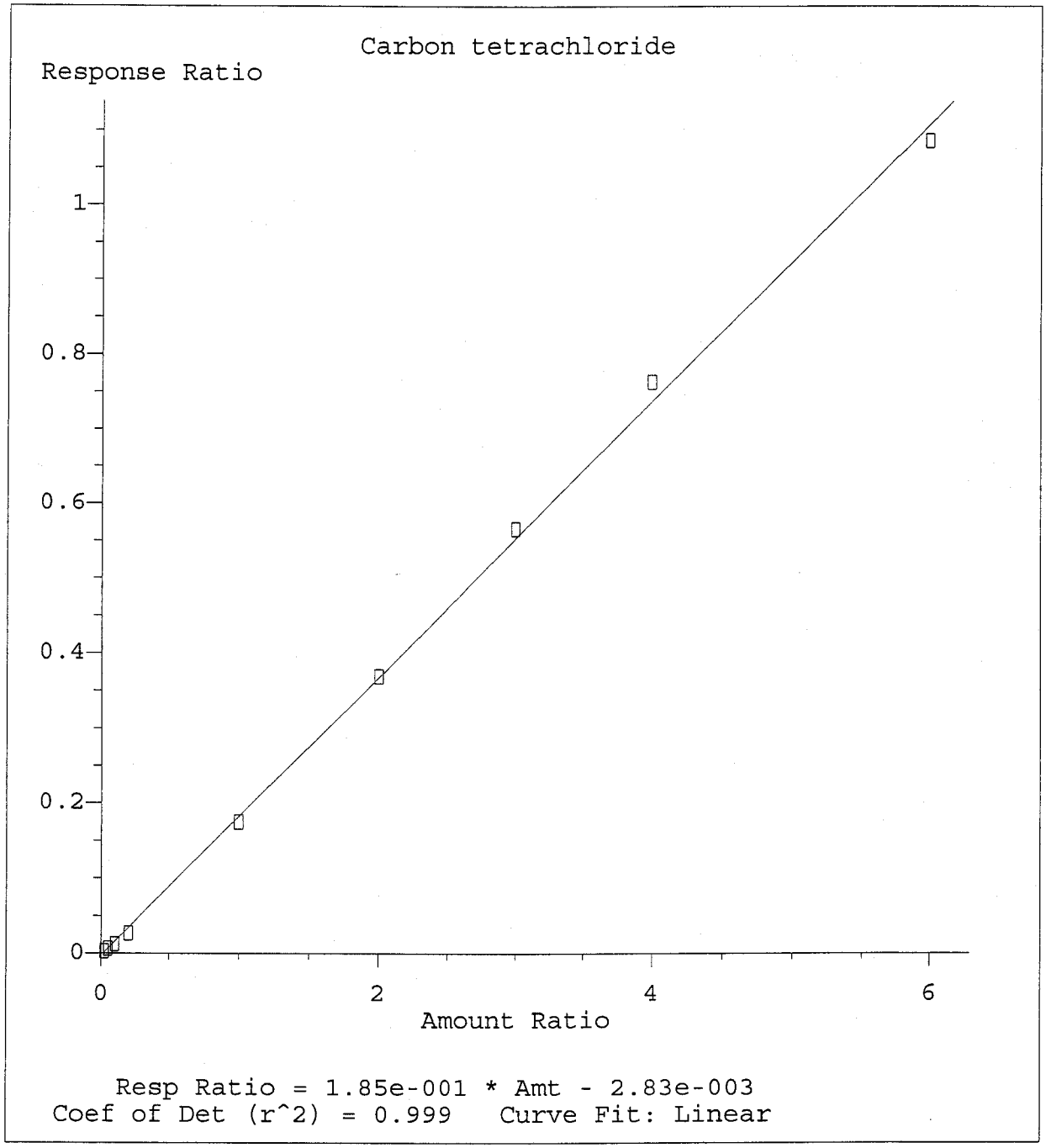
(#) = Out of Range ### Number of calibration levels exceeded



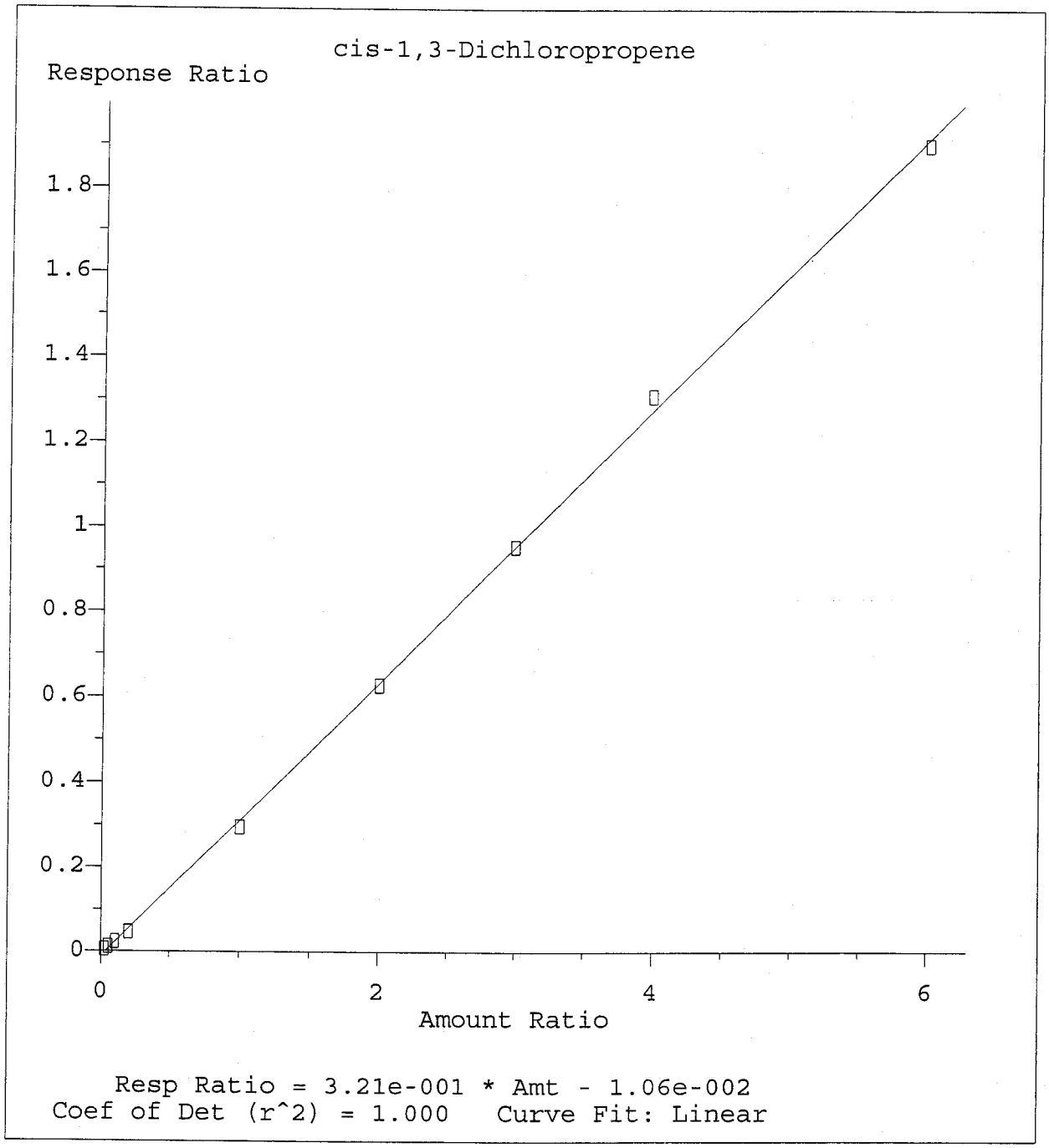
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Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



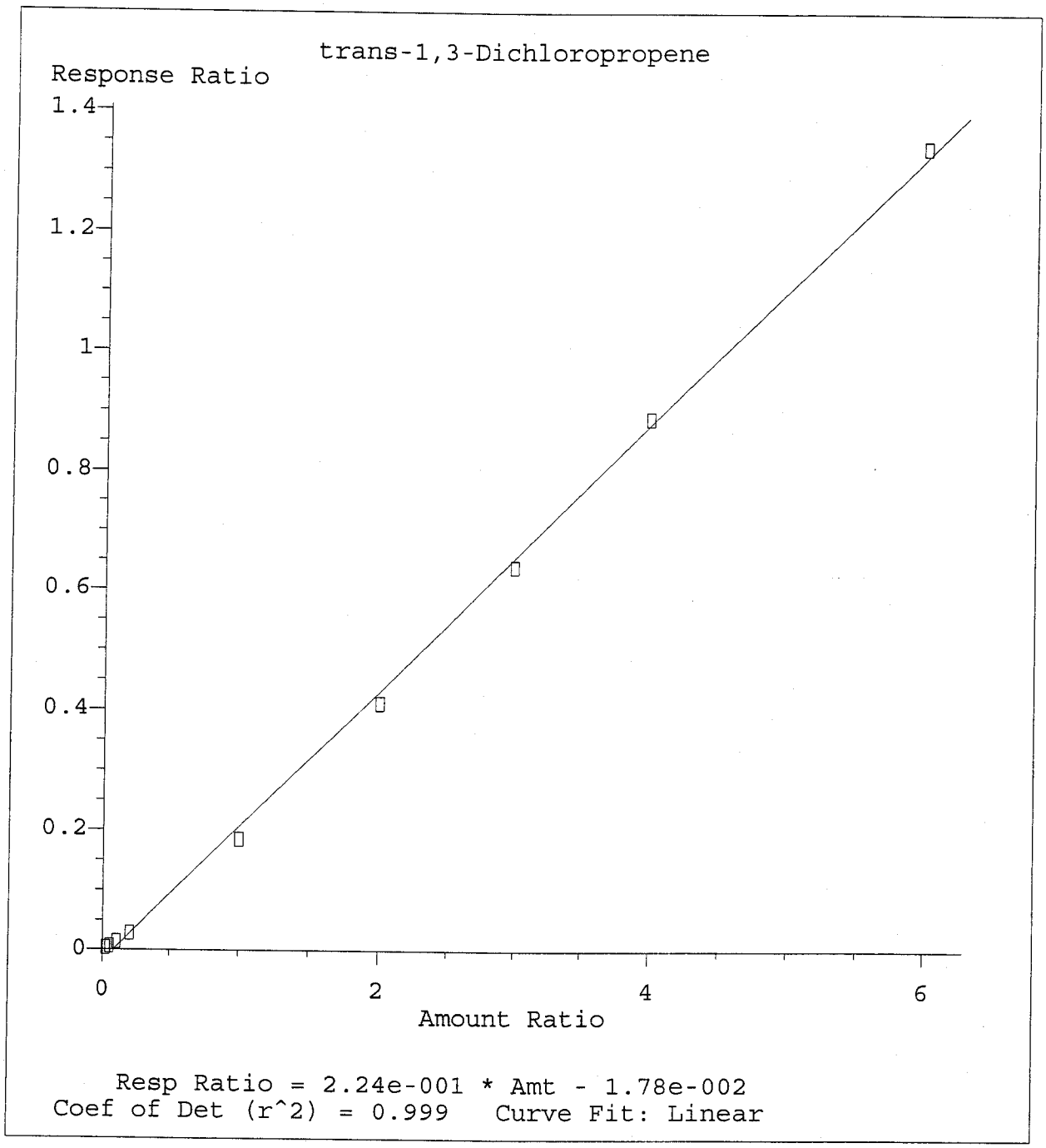
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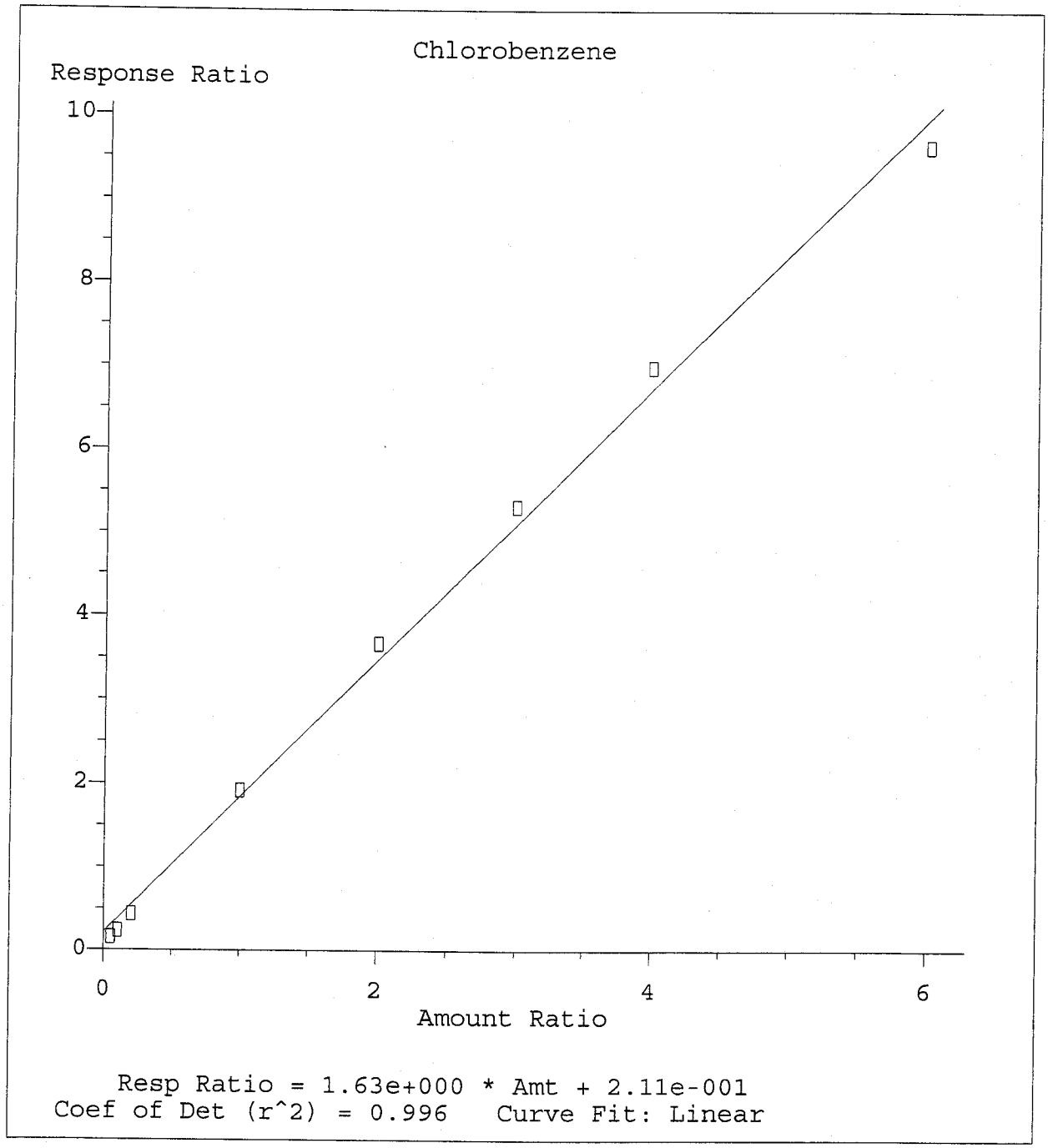
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Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



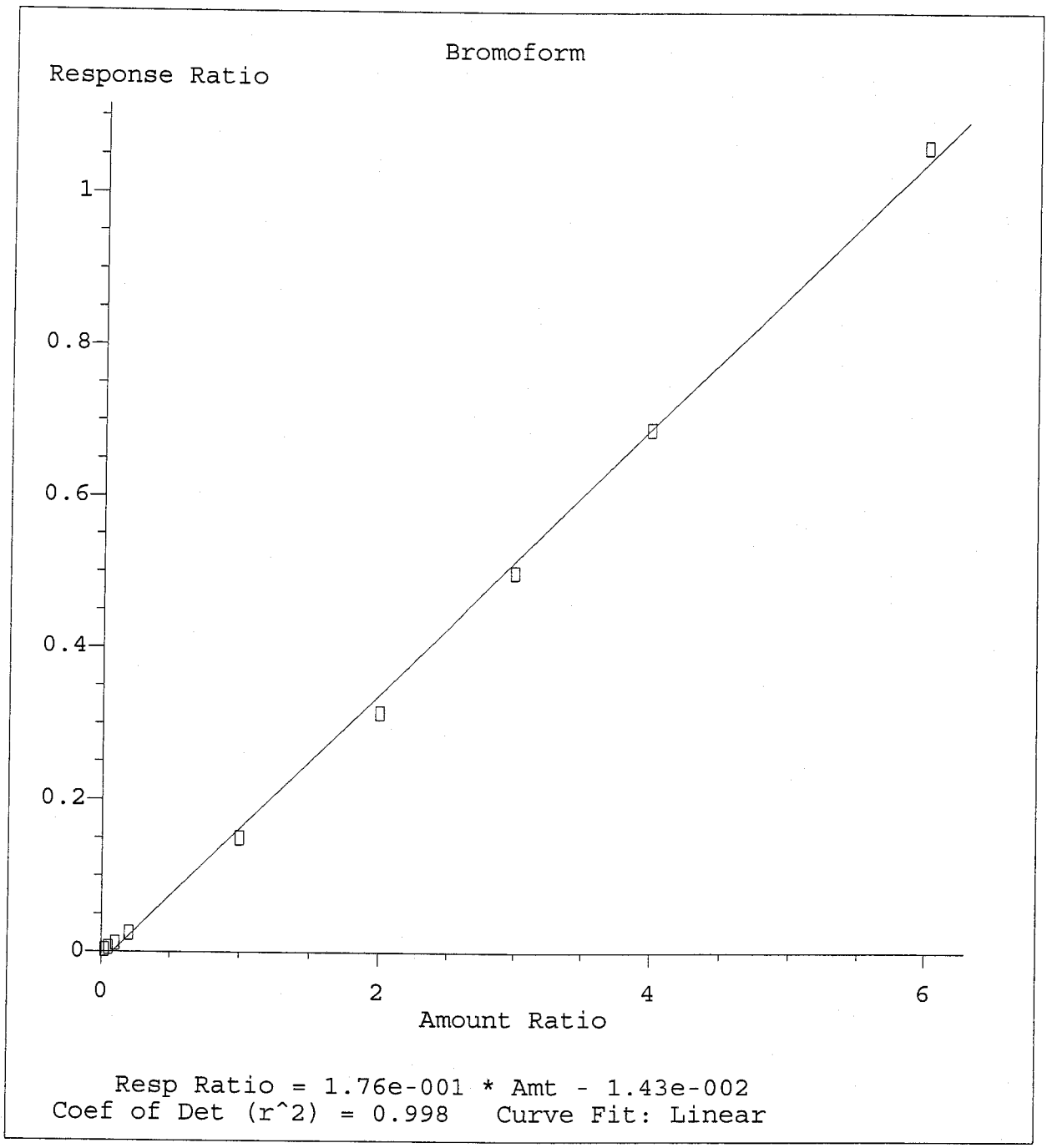
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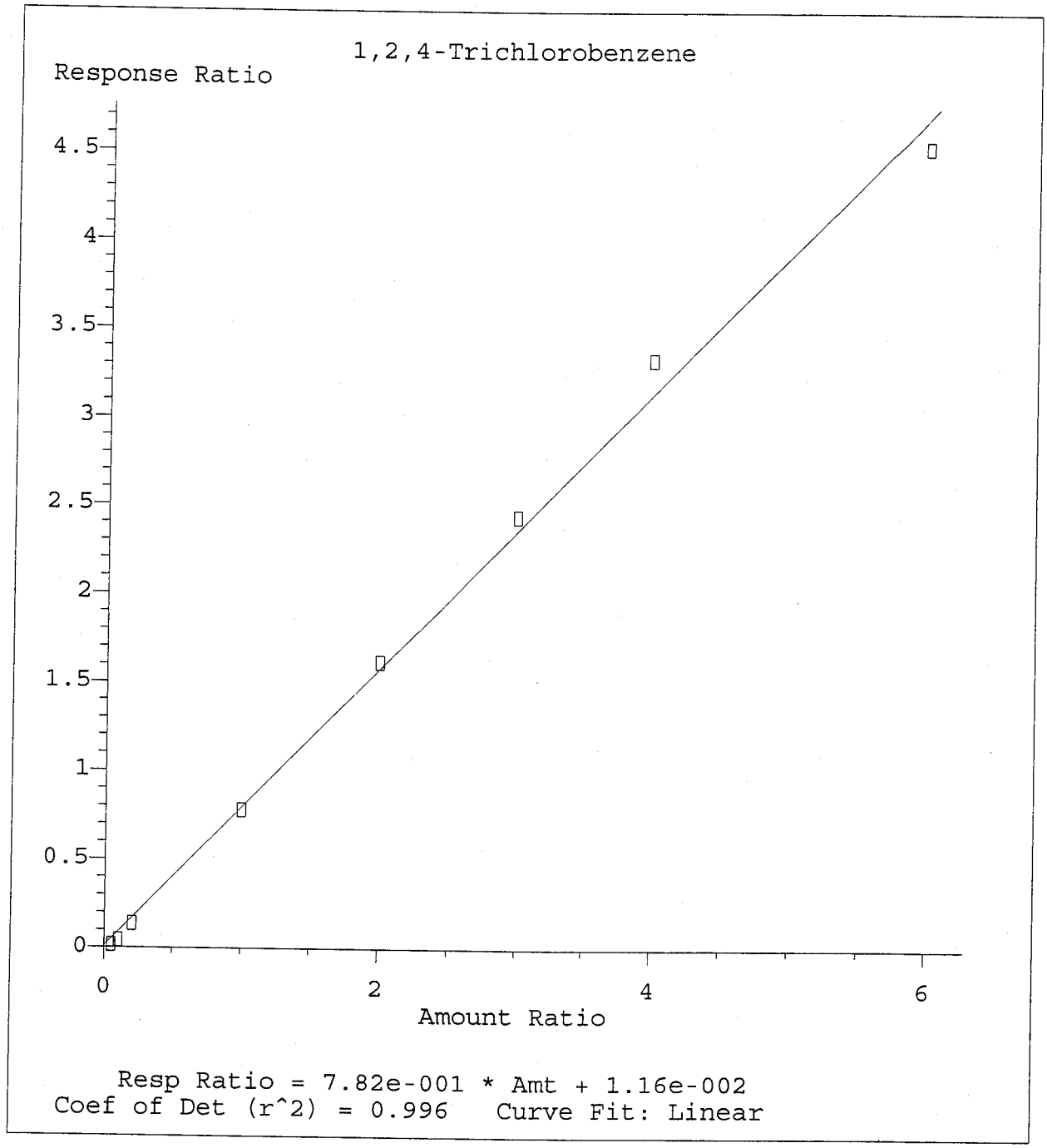
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Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



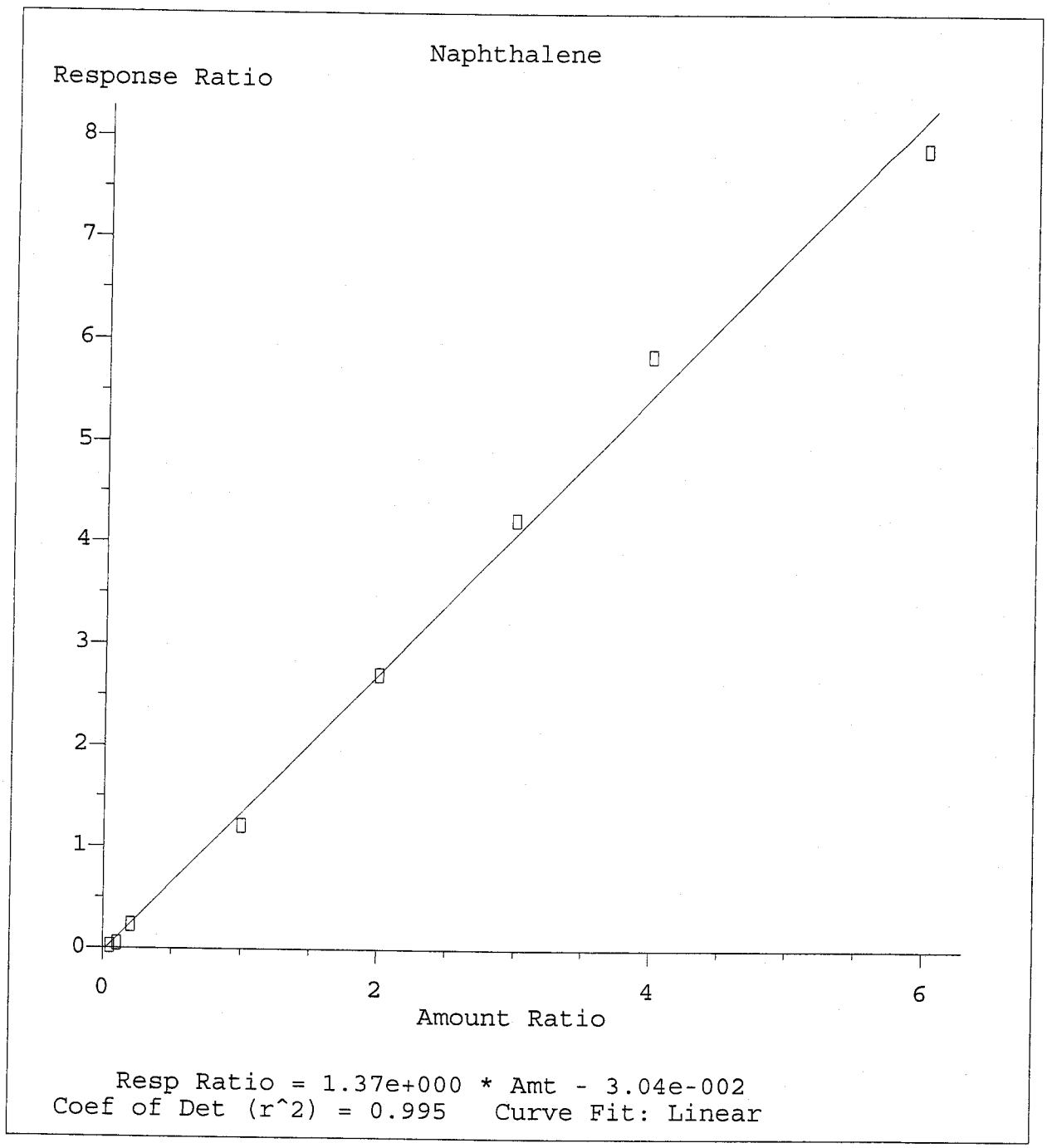
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Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



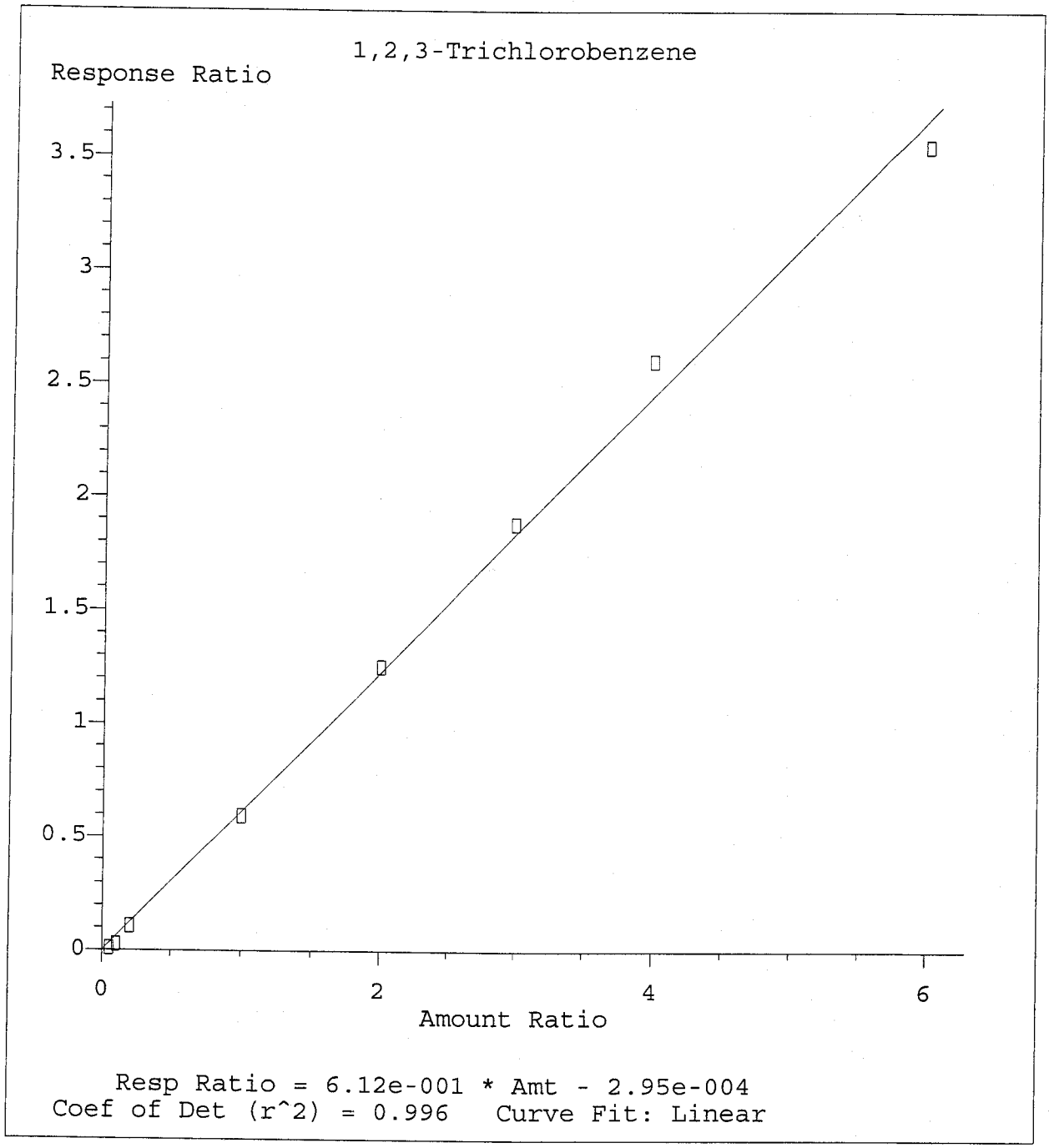
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Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24697
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MS04_73	**Initial Calibration ID:**	1853
Second Source ID:	2SRC-24697	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	17	-15.0	
1,1,1,2-Tetrachloroethane	10	9.08	-9.2	
1,1,1-Trichloroethane	10	8.84	-11.6	
1,1,2,2-Tetrachloroethane	10	9.63	-3.7	
1,1,2-Trichloroethane	10	9.31	-6.9	
1,1-Dichloroethane	10	9.23	-7.7	
1,1-Dichloroethene	10	8.76	-12.4	
1,1-Dichloropropene	10	8.14	-18.6	
1,2,3-Trichlorobenzene	10	9.3	-7.0	
1,2,3-Trichloropropane	10	9.52	-4.8	
1,2,4-Trichlorobenzene	10	9.15	-8.5	
1,2,4-Trimethylbenzene	10	9.02	-9.8	
1,2-Dibromo-3-chloropropane	10	9.56	-4.4	
1,2-Dibromoethane	10	8.39	-16.1	
1,2-Dichlorobenzene	10	9.34	-6.6	
1,2-Dichloroethane	10	8.89	-11.1	
1,2-Dichloropropane	10	9.08	-9.2	
1,3,5-Trimethylbenzene	10	9.02	-9.8	
1,3-Dichlorobenzene	10	9.1	-9.0	
1,3-Dichloropropane	10	8.95	-10.5	
1,4-Dichlorobenzene	10	9.21	-7.9	
1-Chlorohexane	10	8.5	-15.0	
2,2-Dichloropropane	10	9.22	-7.8	
2-Butanone	20	19.5	-2.7	
2-Chlorotoluene	10	9.23	-7.7	
4-Chlorotoluene	10	9.03	-9.7	
4-Methyl-2-pentanone	20	20.1	0.5	
Acetone	20	19.1	-4.4	
Benzene	10	8.56	-14.4	
Bromobenzene	10	9.2	-8.0	
Bromochloromethane	10	8.47	-15.3	
Bromodichloromethane	10	8.97	-10.3	
Bromoform	10	8.56	-14.4	
Bromomethane	10	10.1	0.9	
Carbon tetrachloride	10	8.68	-13.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24697
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MS04_73	**Initial Calibration ID:**	1853
Second Source ID:	2SRC-24697	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.02	-9.8	
Chloroethane	10	9.13	-8.7	
Chloroform	10	9.16	-8.4	
Chloromethane	10	8.45	-15.5	
cis-1,2-Dichloroethene	10	8.75	-12.5	
cis-1,3-Dichloropropene	10	8.87	-11.3	
Dibromochloromethane	10	8.8	-12.0	
Dibromomethane	10	8.68	-13.2	
Dichlorodifluoromethane	10	9.26	-7.4	
Ethylbenzene	10	8.38	-16.2	
Hexachlorobutadiene	10	9.17	-8.3	
Isopropylbenzene	10	9.3	-7.0	
Methyl tert-butyl ether	10	9.13	-8.7	
Methylene chloride	10	9.09	-9.1	
n-Butylbenzene	10	9.17	-8.3	
n-Propylbenzene	10	9.07	-9.3	
Naphthalene	10	9.48	-5.2	
o-Xylene	10	8.56	-14.4	
p-Isopropyltoluene	10	9.18	-8.2	
sec-Butylbenzene	10	9.12	-8.8	
Styrene	10	8.87	-11.3	
tert-Butylbenzene	10	9.27	-7.3	
Tetrachloroethene	10	7.91	-20.9	
Toluene	10	8.55	-14.5	
trans-1,2-Dichloroethene	10	8.26	-17.4	
trans-1,3-Dichloropropene	10	9.32	-6.8	
Trichloroethene	10	8.4	-16.0	
Trichlorofluoromethane	10	9.56	-4.4	
Vinyl chloride	10	10.8	7.9	
Xylenes (total)	30	25.6	-14.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120926B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24698 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
1,1,2,2-Tetrachloroethane *			0.544	-9.9			
1,1-Dichloroethane *			0.426	0.5			
Bromoform *			0.151	-6.3			
Chlorobenzene *			1.817	-1.3			
Chloromethane *			0.435	7.6			
1,1-Dichloroethene #				9.2			
1,2-Dichloropropane #				-3.2			
Chloroform #				3.2			
Ethylbenzene #				-3.6			
Toluene #				1.4			
Vinyl chloride #				12.6			
(m+p)-Xylene				3.9			
1,1,1,2-Tetrachloroethane				10.9			
1,1,1-Trichloroethane				10.7			
1,1,2-Trichloroethane				-4.3			
1,1-Dichloropropene				2.6			
1,2,3-Trichlorobenzene				4.9			
1,2,3-Trichloropropane				-5.7			
1,2,4-Trichlorobenzene				6.2			
1,2,4-Trimethylbenzene				1.2			
1,2-Dibromo-3-chloropropane				-17.4			
1,2-Dibromoethane				0.9			
1,2-Dichlorobenzene				1.6			
1,2-Dichloroethane				1.4			
1,2-Dichloroethane-d4				-2.7			
1,3,5-Trimethylbenzene				-0.5			
1,3-Dichlorobenzene				-1.3			
1,3-Dichloropropane				-2.7			
1,4-Dichlorobenzene				-2.8			
1-Chlorohexane				2.9			
2,2-Dichloropropane				5.1			
2-Butanone				-6.0			
2-Chlorotoluene				-3.4			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120926B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24698 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
4-Bromofluorobenzene				-14.5			
4-Chlorotoluene				-2.1			
4-Methyl-2-pentanone				-12.5			
Acetone				-10.8			
Benzene				0.4			
Bromobenzene				-1.7			
Bromochloromethane				6.1			
Bromodichloromethane				3.1			
Bromomethane				33.8			*
Carbon tetrachloride				4.5			
Chloroethane				-3.6			
cis-1,2-Dichloroethene				3.2			
cis-1,3-Dichloropropene				-10.9			
Dibromochloromethane				6.3			
Dibromomethane				-0.9			
Dichlorodifluoromethane				33.3			*
Hexachlorobutadiene				20.7			*
Isopropylbenzene				-0.8			
Methyl tert-butyl ether				-12.4			
Methylene chloride				2.9			
n-Butylbenzene				6.6			
n-Propylbenzene				-0.6			
Naphthalene				8.8			
o-Xylene				1.2			
p-Isopropyltoluene				4.7			
sec-Butylbenzene				0.8			
Styrene				6.3			
tert-Butylbenzene				0.2			
Tetrachloroethene				7.8			
Toluene-d8				-5.5			
trans-1,2-Dichloroethene				4.1			
trans-1,3-Dichloropropene				-9.5			
Trichloroethene				2.4			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120926B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24698 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Trichlorofluoromethane				16.0			
Xylenes (total)				3.0			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24698
Initial Calibration ID:	1853	**File ID:**	R1101.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.130	1.00	F
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24698
Initial Calibration ID:	1853	**File ID:**	R1101.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.140	1.00	F
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.160	1.00	U
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.450	1.00	F
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	98	76 - 119	
Toluene-d8	100	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24698
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24698
Initial Calibration ID:	1853	**File ID:**	R1101.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	539746	271303 - 1085212	
Chlorobenzene-d5	620937	315344 - 1261376	
Fluorobenzene	1578892	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24698

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24698 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1098.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	21.7	109	76 - 128	
1,1,1,2-Tetrachloroethane	10	11.7	117	81 - 129	
1,1,1-Trichloroethane	10	11.2	112	67 - 132	
1,1,2,2-Tetrachloroethane	10	9.13	91	63 - 128	
1,1,2-Trichloroethane	10	10.2	102	75 - 125	
1,1-Dichloroethane	10	10.5	105	69 - 133	
1,1-Dichloroethene	10	11.3	113	68 - 130	
1,1-Dichloropropene	10	10.7	107	73 - 132	
1,2,3-Trichlorobenzene	10	10.7	107	67 - 137	
1,2,3-Trichloropropane	10	9.74	97	73 - 124	
1,2,4-Trichlorobenzene	10	10.7	107	66 - 134	
1,2,4-Trimethylbenzene	10	11.0	110	74 - 132	
1,2-Dibromo-3-chloropropane	10	8.56	86	50 - 132	
1,2-Dibromoethane	10	10.8	108	80 - 121	
1,2-Dichlorobenzene	10	10.2	102	71 - 122	
1,2-Dichloroethane	10	10.6	106	69 - 132	
1,2-Dichloropropane	10	9.94	99	75 - 125	
1,3,5-Trimethylbenzene	10	10.4	104	74 - 131	
1,3-Dichlorobenzene	10	10.2	102	75 - 124	
1,3-Dichloropropane	10	10.2	102	73 - 126	
1,4-Dichlorobenzene	10	10.1	101	74 - 123	
1-Chlorohexane	10	10.9	109	70 - 125	
2,2-Dichloropropane	10	11.0	110	69 - 137	
2-Butanone	20	18.0	90	49 - 136	
2-Chlorotoluene	10	9.87	99	73 - 126	
4-Chlorotoluene	10	9.87	99	74 - 128	
4-Methyl-2-pentanone	20	17.8	89	58 - 134	
Acetone	20	18.8	94	40 - 135	
Benzene	10	10.4	104	81 - 122	
Bromobenzene	10	9.94	99	76 - 124	
Bromochloromethane	10	10.9	109	65 - 129	
Bromodichloromethane	10	10.7	107	76 - 121	
Bromoform	10	9.66	97	69 - 128	
Bromomethane	10	13.9	139	30 - 141	
Carbon tetrachloride	10	10.9	109	66 - 138	
Chlorobenzene	10	10.5	105	81 - 122	
Chloroethane	10	9.77	98	58 - 133	
Chloroform	10	10.6	106	69 - 128	
Chloromethane	10	9.04	90	56 - 131	
cis-1,2-Dichloroethene	10	10.8	108	72 - 126	
cis-1,3-Dichloropropene	10	9.12	91	69 - 131	
Dibromochloromethane	10	11.0	110	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24698

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24698 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1098.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	10.7	107	76 - 125	
Dichlorodifluoromethane	10	11.8	118	30 - 153	
Ethylbenzene	10	10.7	107	73 - 127	
Hexachlorobutadiene	10	11.4	114	67 - 131	
Isopropylbenzene	10	11.1	111	75 - 127	
Methyl tert-butyl ether	10	9.35	94	65 - 123	
Methylene chloride	10	10.6	106	63 - 137	
n-Butylbenzene	10	11.2	112	69 - 137	
n-Propylbenzene	10	10.4	104	72 - 129	
Naphthalene	10	11.0	110	54 - 138	
o-Xylene	10	10.4	104	80 - 121	
p-Isopropyltoluene	10	10.9	109	73 - 130	
sec-Butylbenzene	10	10.1	101	72 - 127	
Styrene	10	11.1	111	65 - 134	
tert-Butylbenzene	10	10.3	103	70 - 129	
Tetrachloroethene	10	11.3	113	66 - 128	
Toluene	10	10.7	107	77 - 122	
trans-1,2-Dichloroethene	10	11.1	111	63 - 137	
trans-1,3-Dichloropropene	10	8.99	90	59 - 135	
Trichloroethene	10	10.6	106	70 - 127	
Trichlorofluoromethane	10	11.0	110	57 - 129	
Vinyl chloride	10	11.4	114	50 - 134	
Xylenes (total)	30	32.1	107	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	91	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	579682	271303 - 1085212	
Chlorobenzene-d5	633824	315344 - 1261376	
Fluorobenzene	1566826	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24698

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-24698 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1099.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.0	100	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.6	106	81 - 129	
1,1,1-Trichloroethane	10	10.3	103	67 - 132	
1,1,2,2-Tetrachloroethane	10	8.70	87	63 - 128	
1,1,2-Trichloroethane	10	9.34	93	75 - 125	
1,1-Dichloroethane	10	9.77	98	69 - 133	
1,1-Dichloroethene	10	10.6	106	68 - 130	
1,1-Dichloropropene	10	9.97	100	73 - 132	
1,2,3-Trichlorobenzene	10	9.97	100	67 - 137	
1,2,3-Trichloropropane	10	9.28	93	73 - 124	
1,2,4-Trichlorobenzene	10	9.78	98	66 - 134	
1,2,4-Trimethylbenzene	10	10.2	102	74 - 132	
1,2-Dibromo-3-chloropropane	10	8.23	82	50 - 132	
1,2-Dibromoethane	10	9.89	99	80 - 121	
1,2-Dichlorobenzene	10	9.70	97	71 - 122	
1,2-Dichloroethane	10	9.75	98	69 - 132	
1,2-Dichloropropane	10	9.14	91	75 - 125	
1,3,5-Trimethylbenzene	10	9.58	96	74 - 131	
1,3-Dichlorobenzene	10	9.42	94	75 - 124	
1,3-Dichloropropane	10	9.50	95	73 - 126	
1,4-Dichlorobenzene	10	9.59	96	74 - 123	
1-Chlorohexane	10	10.5	105	70 - 125	
2,2-Dichloropropane	10	9.86	99	69 - 137	
2-Butanone	20	17.7	88	49 - 136	
2-Chlorotoluene	10	9.16	92	73 - 126	
4-Chlorotoluene	10	9.27	93	74 - 128	
4-Methyl-2-pentanone	20	18.0	90	58 - 134	
Acetone	20	18.9	94	40 - 135	
Benzene	10	9.59	96	81 - 122	
Bromobenzene	10	9.37	94	76 - 124	
Bromochloromethane	10	10.4	104	65 - 129	
Bromodichloromethane	10	9.60	96	76 - 121	
Bromoform	10	8.77	88	69 - 128	
Bromomethane	10	13.9	139	30 - 141	
Carbon tetrachloride	10	9.95	100	66 - 138	
Chlorobenzene	10	9.55	96	81 - 122	
Chloroethane	10	9.44	94	58 - 133	
Chloroform	10	9.74	97	69 - 128	
Chloromethane	10	9.03	90	56 - 131	
cis-1,2-Dichloroethene	10	9.93	99	72 - 126	
cis-1,3-Dichloropropene	10	8.32	83	69 - 131	
Dibromochloromethane	10	9.94	99	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24698

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-24698 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1099.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.84	98	76 - 125	
Dichlorodifluoromethane	10	11.7	117	30 - 153	
Ethylbenzene	10	9.82	98	73 - 127	
Hexachlorobutadiene	10	10.4	104	67 - 131	
Isopropylbenzene	10	10.3	103	75 - 127	
Methyl tert-butyl ether	10	9.31	93	65 - 123	
Methylene chloride	10	9.70	97	63 - 137	
n-Butylbenzene	10	10.2	102	69 - 137	
n-Propylbenzene	10	9.64	96	72 - 129	
Naphthalene	10	10.5	105	54 - 138	
o-Xylene	10	9.85	98	80 - 121	
p-Isopropyltoluene	10	10.1	101	73 - 130	
sec-Butylbenzene	10	9.42	94	72 - 127	
Styrene	10	10.0	100	65 - 134	
tert-Butylbenzene	10	9.49	95	70 - 129	
Tetrachloroethene	10	10.5	105	66 - 128	
Toluene	10	9.83	98	77 - 122	
trans-1,2-Dichloroethene	10	10.5	105	63 - 137	
trans-1,3-Dichloropropene	10	8.30	83	59 - 135	
Trichloroethene	10	9.69	97	70 - 127	
Trichlorofluoromethane	10	10.8	108	57 - 129	
Vinyl chloride	10	11.3	113	50 - 134	
Xylenes (total)	30	29.9	100	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	92	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	585102	271303 - 1085212	
Chlorobenzene-d5	649945	315344 - 1261376	
Fluorobenzene	1616351	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R24698

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
775VM0465NA	K1209274-001A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.2	
775VM0570NA	K1209274-002A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.2	
775M0673NA	K1209274-003A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.1	
775VM0873NA	K1209274-004A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.1	
775VM0992NA	K1209274-005A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.3	
775VM1095NA	K1209274-006A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.2	
775VM19R67NA	K1209274-007A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.1	
775M20115NA	K1209274-008A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.2	
775VMW20R115NA	K1209274-009A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.1	
775M2880NA	K1209274-010A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.2	
775M2880NC	K1209274-011A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.3	
775E0175NA	K1209274-012A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.4	
775EF0101NA	K1209274-013A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.5	
092412NE	K1209274-014A	24-Sep-12	26-Sep-12	26-Sep-12			26-Sep-12	14	2.6	
092412NF	K1209274-015A	24-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.5	
092412NR	K1209274-016A	24-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.7	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MS04_73 **Calibration ID:** 1853

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB120919A4	TB120919A4	10-Sep-12	9:53	10-Sep-12	10:34
ICAL 0.25 ppb	ICAL 0.25 ppb	10-Sep-12	10:34	10-Sep-12	11:06
ICAL 0.50 ppb	ICAL 0.50 ppb	10-Sep-12	11:06	10-Sep-12	11:38
ICAL 1.0 ppb	ICAL 1.0 ppb	10-Sep-12	11:38	10-Sep-12	12:41
ICAL 10 ppb	ICAL 10 ppb	10-Sep-12	12:41	10-Sep-12	13:13
ICAL 2.0 ppb	ICAL 2.0 ppb	10-Sep-12	13:13	10-Sep-12	13:45
2SRC-24697	2SRC-24697	10-Sep-12	13:45	10-Sep-12	14:17
ICAL 20 ppb	ICAL 20 ppb	10-Sep-12	14:17	10-Sep-12	14:48
ICAL 30 ppb	ICAL 30 ppb	10-Sep-12	14:48	10-Sep-12	15:20
ICAL 40 ppb	ICAL 40 ppb	10-Sep-12	15:20	10-Sep-12	16:24
ICAL 60 ppb	ICAL 60 ppb	10-Sep-12	16:24	10-Sep-12	16:24
TB120926A4	TB120926A4	26-Sep-12	13:17	26-Sep-12	13:49
CCV-24698	CCV-24698	26-Sep-12	13:17	26-Sep-12	13:49
LCS-24698	LCS-24698	26-Sep-12	13:49	26-Sep-12	14:20
LCSD-24698	LCSD-24698	26-Sep-12	14:20	26-Sep-12	15:24
MB-24698	MB-24698	26-Sep-12	15:24	26-Sep-12	15:55
775VM0465NA	K1209274-001A	26-Sep-12	15:55	26-Sep-12	16:27
775VM0570NA	K1209274-002A	26-Sep-12	16:27	26-Sep-12	16:59
775M0673NA	K1209274-003A	26-Sep-12	16:59	26-Sep-12	17:30
775VM0873NA	K1209274-004A	26-Sep-12	17:30	26-Sep-12	18:02
775VM0992NA	K1209274-005A	26-Sep-12	18:02	26-Sep-12	18:34
775VM1095NA	K1209274-006A	26-Sep-12	18:34	26-Sep-12	19:05
775VM19R67NA	K1209274-007A	26-Sep-12	19:05	26-Sep-12	19:37
775M20115NA	K1209274-008A	26-Sep-12	19:37	26-Sep-12	20:09
775VMW20R115NA	K1209274-009A	26-Sep-12	20:09	26-Sep-12	20:41
775M2880NA	K1209274-010A	26-Sep-12	20:41	26-Sep-12	22:16
775M2880NC	K1209274-011A	26-Sep-12	22:16	26-Sep-12	22:48
775E0175NA	K1209274-012A	26-Sep-12	22:48	26-Sep-12	23:19
775EF0101NA	K1209274-013A	26-Sep-12	23:19	26-Sep-12	23:51
092412NE	K1209274-014A	26-Sep-12	23:51	27-Sep-12	0:23
092412NF	K1209274-015A	27-Sep-12	0:23	27-Sep-12	0:54
092412NR	K1209274-016A	27-Sep-12	0:54	27-Sep-12	0:54

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS04_73_120710A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Injection Date/Time:**	9/10/2012 9:53:00 AM
Initial Calibration ID:	1853	**File ID:**	R0716.D
Compound:	SW8260B	**Sample ID:**	TB120919A4

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	17.1	
75	30 - 60% of m/z 95	39.9	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.8	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	72.5	
175	5 - 9% of m/z 174	7.4	
176	Greater than 95% but less than 101% of m/z 174	95.6	
177	5 - 9% of m/z 176	6.3	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS04_73_120926B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Injection Date/Time:**	9/26/2012 1:17:00 PM
Initial Calibration ID:	1853	**File ID:**	R1097.D
Compound:	SW8260B	**Sample ID:**	TB120926A4

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	16.9	
75	30 - 60% of m/z 95	41.0	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.8	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	75.2	
175	5 - 9% of m/z 174	7.2	
176	Greater than 95% but less than 101% of m/z 174	97.4	
177	5 - 9% of m/z 176	6.1	

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

November 2, 2012

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - APRON 2 PERFORMANCE
RE: Analytical Results
Order No.: K1209275, K1209284

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received samples on 9/26/2012 and 9/27/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM for the Griffiss AFB-Apron 2 Performance Sampling project at Rome, NY.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The coolers were received intact. When the laboratory received the coolers, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt of the samples. The temperatures of the well-iced coolers were <6.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1
Anions	SW9056	1
Dissolved Organic Carbon	SM5310B	2
Alkalinity	SM2320	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996. (including the QC requirements specified in AFCEE 4.0 + variances).

2) Standard Methods for the Examination of Water and Wastewater, 18th,19th, and 20th Edition, 1992.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – Apron 2 Performance
Work Order #:	K1209275 and K1209284
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 11/2/12

Supervisor/Reviewed by (Initials/Date): 11/2/12

QA/QC Review (Initials/Date): AE for LR 11-2-12

File Name: U:\Narratives\MSVoa\K1209275msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCSD-24699	Bromomethane	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

MS/MSD/MSB
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24699	MS4	1,2-Dibromo-3-chloropropane	-21.7		1

Client: FPM
Project/Order: Griffiss AFB – Apron 2 Performance
Work Order #: K1209275 and K1209284
Methodology: 8260B

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24699	MS4	Bromomethane	26.6		2
		Dichlorodifluoromethane	33.7		2
CCV-24734	MSK	2-Chlorotoluene	22.7		2
		Bromomethane	30.7		2
		Carbon tetrachloride	23.5		2
		sec-Butylbenzene	21.1		2

1 The recovery marginally exceeded the lower control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

2 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Miscellaneous
Benzene was detected in sample AP2M0327KA [K1209275-001C] above the upper calibration limit. The need for reanalysis at a dilution was inadvertently overlooked until holding time had expired. Results for benzene are flagged as estimated.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – Apron 2 Performance
Work Order #:	K1209275, K1209284
Methodology:	Anions - Ion Chromatography - SW9056 Dissolved Organic Carbon – SM 5310 B

Analyzed/Reviewed by (Date/Initials): 10-24-12 MN

Supervisor/Reviewed by (Date/Initials): 10-24-12 MN

QA/QC Review (Date/Initials): 11-2-12 AC for LK

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

MS/MSD AND MS/MSD RPD
All spike recovery and RPD data met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Apron 2 Performance
Work Order #:	K1209275
Methodology:	Alkalinity, as CaCO3 - SM 2320 B

Analyzed/Reviewed by (Date/Initials): 10/10/12

Supervisor/Reviewed by (Date/Initials): 10/10/12

QA/QC Review (Date/Initials): 10/12/12

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Apron 2 Performance
Work Order #:	K1209284
Methodology:	Alkalinity, as CaCO3 - SM 2320 B

Analyzed/Reviewed by (Date/Initials): 10/10/12

Supervisor/Reviewed by (Date/Initials): 10/10/12

QA/QC Review (Date/Initials): 10/12/12

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

Life Science Laboratories, Inc.

Date: *02-Nov-12*

CLIENT: FPM Group
Project: Griffiss AFB - Apron 2 Performance
Lab Order: K1209275

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209275-001A	AP2M0327KA	AP2MW-3	9/25/2012	9/26/2012
K1209275-001B	AP2M0327KA	AP2MW-3	9/25/2012	9/26/2012
K1209275-001C	AP2M0327KA	AP2MW-3	9/25/2012	9/26/2012
K1209275-001D	AP2M0327KA	AP2MW-3	9/25/2012	9/26/2012
K1209275-002A	782VM7638KA	WL-782VMW-76	9/25/2012	9/26/2012
K1209275-002B	782VM7638KA	WL-782VMW-76	9/25/2012	9/26/2012
K1209275-002C	782VM7638KA	WL-782VMW-76	9/25/2012	9/26/2012
K1209275-002D	782VM7638KA	WL-782VMW-76	9/25/2012	9/26/2012
K1209275-003A	782VM7840KA	WL-782VMW-78	9/25/2012	9/26/2012
K1209275-003B	782VM7840KA	WL-782VMW-78	9/25/2012	9/26/2012
K1209275-003C	782VM7840KA	WL-782VMW-78	9/25/2012	9/26/2012
K1209275-003D	782VM7840KA	WL-782VMW-78	9/25/2012	9/26/2012
K1209275-004A	782VM8146KA	WL-782VMW-81	9/25/2012	9/26/2012
K1209275-004B	782VM8146KA	WL-782VMW-81	9/25/2012	9/26/2012
K1209275-004C	782VM8146KA	WL-782VMW-81	9/25/2012	9/26/2012
K1209275-004D	782VM8146KA	WL-782VMW-81	9/25/2012	9/26/2012
K1209275-005A	782VM8440KA	WL-782VMW-84	9/25/2012	9/26/2012
K1209275-005B	782VM8440KA	WL-782VMW-84	9/25/2012	9/26/2012
K1209275-005C	782VM8440KA	WL-782VMW-84	9/25/2012	9/26/2012
K1209275-005D	782VM8440KA	WL-782VMW-84	9/25/2012	9/26/2012
K1209275-006A	782VM84D50KA	WL-782VMW-84D	9/25/2012	9/26/2012
K1209275-006B	782VM84D50KA	WL-782VMW-84D	9/25/2012	9/26/2012
K1209275-006C	782VM84D50KA	WL-782VMW-84D	9/25/2012	9/26/2012
K1209275-006D	782VM84D50KA	WL-782VMW-84D	9/25/2012	9/26/2012
K1209275-007A	782VM9637KA	WL-782VMW-96	9/25/2012	9/26/2012
K1209275-007B	782VM9637KA	WL-782VMW-96	9/25/2012	9/26/2012
K1209275-007C	782VM9637KA	WL-782VMW-96	9/25/2012	9/26/2012
K1209275-007D	782VM9637KA	WL-782VMW-96	9/25/2012	9/26/2012
K1209275-008A	782VM10025KA	WL-782VMW-100	9/25/2012	9/26/2012
K1209275-008B	782VM10025KA	WL-782VMW-100	9/25/2012	9/26/2012
K1209275-008C	782VM10025KA	WL-782VMW-100	9/25/2012	9/26/2012
K1209275-008D	782VM10025KA	WL-782VMW-100	9/25/2012	9/26/2012
K1209275-009A	782M1027KA	WL-782MW-10	9/25/2012	9/26/2012
K1209275-009B	782M1027KA	WL-782MW-10	9/25/2012	9/26/2012
K1209275-009C	782M1027KA	WL-782MW-10	9/25/2012	9/26/2012
K1209275-009D	782M1027KA	WL-782MW-10	9/25/2012	9/26/2012
K1209275-010A	092512KE	FIELDQC	9/25/2012	9/26/2012
K1209275-010B	092512KE	FIELDQC	9/25/2012	9/26/2012

CLIENT:	FPM Group
Project:	Griffiss AFB - Apron 2 Performance
Lab Order:	K1209275

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209275-010C	092512KE	FIELDQC	9/25/2012	9/26/2012
K1209275-010D	092512KE	FIELDQC	9/25/2012	9/26/2012
K1209275-011A	092512KF	FIELDQC	9/25/2012	9/26/2012
K1209275-012A	092512KR	FIELDQC	9/25/2012	9/26/2012

Life Science Laboratories, Inc.

Date: *02-Nov-12*

CLIENT: FPM Group
Project: Griffiss AFB - Apron 2 Performance
Lab Order: K1209284

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209284-001A	782VM10118KA	WL-782VMW-101	9/26/2012	9/27/2012
K1209284-001B	782VM10118KA	WL-782VMW-101	9/26/2012	9/27/2012
K1209284-001C	782VM10118KA	WL-782VMW-101	9/26/2012	9/27/2012
K1209284-001D	782VM10118KA	WL-782VMW-101	9/26/2012	9/27/2012
K1209284-002A	782VM10118KC	WL-782VMW-101	9/26/2012	9/27/2012
K1209284-002B	782VM10118KC	WL-782VMW-101	9/26/2012	9/27/2012
K1209284-002C	782VM10118KC	WL-782VMW-101	9/26/2012	9/27/2012
K1209284-002D	782VM10118KC	WL-782VMW-101	9/26/2012	9/27/2012
K1209284-003A	782VM105B36KB	WL-782VMW-105B	9/26/2012	9/27/2012
K1209284-003B	782VM105B36KB	WL-782VMW-105B	9/26/2012	9/27/2012
K1209284-003C	782VM105B36KB	WL-782VMW-105B	9/26/2012	9/27/2012
K1209284-003D	782VM105B36KB	WL-782VMW-105B	9/26/2012	9/27/2012
K1209284-004A	782VM105B36KC	WL-782VMW-105B	9/26/2012	9/27/2012
K1209284-004B	782VM105B36KC	WL-782VMW-105B	9/26/2012	9/27/2012
K1209284-004C	782VM105B36KC	WL-782VMW-105B	9/26/2012	9/27/2012
K1209284-004D	782VM105B36KC	WL-782VMW-105B	9/26/2012	9/27/2012
K1209284-005A	782VM12116KA	WL-782VMW-121	9/26/2012	9/27/2012
K1209284-005B	782VM12116KA	WL-782VMW-121	9/26/2012	9/27/2012
K1209284-005C	782VM12116KA	WL-782VMW-121	9/26/2012	9/27/2012
K1209284-005D	782VM12116KA	WL-782VMW-121	9/26/2012	9/27/2012
K1209284-006A	782VM121D26KA	WL-782VMW-121D	9/26/2012	9/27/2012
K1209284-006B	782VM121D26KA	WL-782VMW-121D	9/26/2012	9/27/2012
K1209284-006C	782VM121D26KA	WL-782VMW-121D	9/26/2012	9/27/2012
K1209284-006D	782VM121D26KA	WL-782VMW-121D	9/26/2012	9/27/2012
K1209284-007C	782SW11501KA	782SW-115	9/26/2012	9/27/2012
K1209284-008C	782SW11801KA	782SW-118	9/26/2012	9/27/2012
K1209284-009C	782SW11901KA	782SW-119	9/26/2012	9/27/2012
K1209284-010A	092612KF	FIELDQC	9/26/2012	9/27/2012
K1209284-011A	092612KR	FIELDQC	9/26/2012	9/27/2012

Life Science Laboratories, Inc.

Lab Order: K1209275
Client: FPM Group
Project: Griffiss AFB - Apron 2 Performan

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209275-001A	AP2M0327KA	9/25/2012 3:20:00 PM	Groundwater	Alkalinity, as CaCO3			9/28/2012
K1209275-001B				Inorganic anions by IC			9/26/2012
				Inorganic anions by IC			10/10/2012
K1209275-001C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-001D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-002A	782VM7638KA	9/25/2012 1:35:00 PM		Alkalinity, as CaCO3			9/28/2012
K1209275-002B				Inorganic anions by IC			9/26/2012
K1209275-002C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-002D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-003A	782VM7840KA	9/25/2012 10:19:00 AM		Alkalinity, as CaCO3			9/28/2012
K1209275-003B				Inorganic anions by IC			9/26/2012
K1209275-003C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-003D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-004A	782VM8146KA	9/25/2012 11:15:00 AM		Alkalinity, as CaCO3			9/28/2012
K1209275-004B				Inorganic anions by IC			9/26/2012
K1209275-004C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-004D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-005A	782VM8440KA	9/25/2012 12:16:00 PM		Alkalinity, as CaCO3			9/28/2012
K1209275-005B				Inorganic anions by IC			9/26/2012
K1209275-005C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-005D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-006A	782VM84D50KA	9/25/2012 1:14:00 PM		Alkalinity, as CaCO3			9/28/2012
K1209275-006B				Inorganic anions by IC			9/26/2012
K1209275-006C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-006D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-007A	782VM9637KA	9/25/2012 2:47:00 PM		Alkalinity, as CaCO3			9/28/2012
K1209275-007B				Inorganic anions by IC			10/10/2012
				Inorganic anions by IC			9/26/2012

Lab Order: K1209275
Client: FPM Group
Project: Griffiss AFB - Apron 2 Performan

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209275-007C	782VM9637KA	9/25/2012 2:47:00 PM	Groundwater	Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-007D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-008A	782VM10025KA	9/25/2012 4:30:00 PM		Alkalinity, as CaCO3			9/28/2012
K1209275-008B				Inorganic anions by IC			9/26/2012
				Inorganic anions by IC			10/10/2012
K1209275-008C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-008D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-009A	782M1027KA	9/25/2012 3:37:00 PM		Alkalinity, as CaCO3			9/28/2012
K1209275-009B				Inorganic anions by IC			9/26/2012
K1209275-009C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-009D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-010A	092512KE	9/25/2012 8:50:00 AM	Water Q	Alkalinity, as CaCO3			9/28/2012
K1209275-010B				Inorganic anions by IC			9/26/2012
K1209275-010C				Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-010D				Dissolved organic carbon (DOC)			10/10/2012
K1209275-011A	092512KF	9/25/2012 11:03:00 AM		Volatile Organic Compounds by GC/MS			9/27/2012
K1209275-012A	092512KR	9/25/2012 8:52:00 AM		Volatile Organic Compounds by GC/MS			9/27/2012

Lab Order: K1209284
Client: FPM Group
Project: Griffiss AFB - Apron 2 Performan

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209284-001A	782VM10118KA	9/26/2012 11:00:00 AM	Groundwater	Alkalinity, as CaCO3			10/3/2012
K1209284-001B				Inorganic anions by IC			9/27/2012
				Inorganic anions by IC			10/10/2012
K1209284-001C				Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-001D				Dissolved organic carbon (DOC)			10/10/2012
K1209284-002A	782VM10118KC			Alkalinity, as CaCO3			10/3/2012
K1209284-002B				Inorganic anions by IC			9/27/2012
				Inorganic anions by IC			10/10/2012
K1209284-002C				Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-002D				Dissolved organic carbon (DOC)			10/10/2012
K1209284-003A	782VM105B36KB	9/26/2012 3:12:00 PM		Alkalinity, as CaCO3			10/3/2012
K1209284-003B				Inorganic anions by IC			9/27/2012
K1209284-003C				Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-003D				Dissolved organic carbon (DOC)			10/10/2012
K1209284-004A	782VM105B36KC			Alkalinity, as CaCO3			10/3/2012
K1209284-004B				Inorganic anions by IC			9/27/2012
K1209284-004C				Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-004D				Dissolved organic carbon (DOC)			10/10/2012
K1209284-005A	782VM12116KA	9/26/2012 2:14:00 PM		Alkalinity, as CaCO3			10/3/2012
K1209284-005B				Inorganic anions by IC			10/10/2012
				Inorganic anions by IC			9/27/2012
K1209284-005C				Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-005D				Dissolved organic carbon (DOC)			10/10/2012
K1209284-006A	782VM121D26KA	9/26/2012 12:21:00 PM		Alkalinity, as CaCO3			10/3/2012
K1209284-006B				Inorganic anions by IC			9/27/2012
K1209284-006C				Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-006D				Dissolved organic carbon (DOC)			10/10/2012
K1209284-007C	782SW11501KA	9/26/2012 9:52:00 AM	Surface Water	Volatile Organic Compounds by GC/MS			10/2/2012

Lab Order: K1209284
Client: FPM Group
Project: Griffiss AFB - Apron 2 Performan

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209284-008C	782SW11801KA	9/26/2012 10:06:00 AM	Surface Water	Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-009C	782SW11901KA	9/26/2012 10:26:00 AM		Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-010A	092612KF	9/26/2012 2:32:00 PM	Water Q	Volatile Organic Compounds by GC/MS			10/2/2012
K1209284-011A	092612KR	9/26/2012 8:50:00 AM		Volatile Organic Compounds by GC/MS			10/2/2012

External Chain of Custody

K1209275

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: ~~27617~~ 282 Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: K Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
001	AP2M0340KA	AP2MW-3	9/25	1520	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
002	782VM7638KA	WL-782VMW-76	9/25	1335	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
003	782VM7840KA	WL-782VMW-78	9/25	1019	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
004	782VM8146KA	WL-782VMW-81	9/25	1115	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
005	782VM8440KA	WL-782VMW-84	9/25	1216	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
006	782VM84D50KA	WL-782VMW-84D	9/25	1314	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
007	782VM9637KA	WL-782VMW-96	9/25	1447	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
008	782VM10025KA	WL-782VMW-100	9/25	1630	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
009	782M1027KA	WL-782MW-10	9/25	1537	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
010	092512KE	FIELDQC	9/25	0850	WQ	NA	EB	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
011	092512KF	FIELDQC	9/25	1103	WQ	NA	AB	0/0	3	3	-	-	-	
012	092512KR	FIELDQC	9/25	0852	WQ	NA	TB	0/0	2	2	-	-	-	

K1209275

Sample Condition Upon Receipt at Laboratory:	Cooler temperature: 2.0 °C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Alkalinity: method SM2320B.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Meadows	Date: 9-26-12	#3 Released by: (Sig) Bill Donaldson	Date: 9-26-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig)	Date: 9-26-12
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 0925	Company Name: LSL	Time: 14:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **9/26/2012 2:10:00 PM**

Work Order Number: **K1209275**

Received by: gis

Checklist completed by: GS (Initials) 9-26-12 (Date)

Reviewed by: AC (Initials) 9-27-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Sample ID AP2M0340KA on COC is labeled AP2M0327KA

Corrective Action:

Will contact client for correct ID.

Anthony Crescenzi

From: Mattice, Katrina [k.mattice@fpm-remediations.com]
Sent: Thursday, September 27, 2012 11:36 AM
To: Anthony Crescenzi
Subject: RE: Apron 2
Attachments: AP2 250912.pdf

Hi Tony,

Attached is the corrected chain of custody. If it is not clear it read AP2M0327KA.

Thanks,
Katrina

From: Mattice, Katrina
Sent: Thursday, September 27, 2012 10:38 AM
To: 'Anthony Crescenzi'
Subject: RE: Apron 2

Hi Tony,

I will have to get back to you on the correct sample ID. It seems that the AP2M0327KA is the correct ID. It is all based on our sample depth, which I am going to have a field crew check this morning.

Thanks,
Katrina

From: Anthony Crescenzi [mailto:crescenzia@lsl-inc.com]
Sent: Thursday, September 27, 2012 8:53 AM
To: Mattice, Katrina
Subject: Apron 2

Katrina,

The first sample collected for Apron 2 has a Field Sample ID of AP2M0340KA and an ID of AP2M0327KA on the containers. Which is correct?

Thanks,
Tony

Anthony Crescenzi
Project Manager
Life Science Laboratories, Inc. - Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Telephone: 315-445-1900
Facsimile: 315-445-1104
E-Mail: Crescenzia@lsl-inc.com

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: ~~276/7~~ 282 Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: K. Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
AP2M03~~7~~KA	AP2MW-3	9/25	1520	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM7638KA	WL-782VMW-76	9/25	1335	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM7840KA	WL-782VMW-78	9/25	1019	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM8146KA	WL-782VMW-81	9/25	1115	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM8440KA	WL-782VMW-84	9/25	1216	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM84D50KA	WL-782VMW-84D	9/25	1314	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM9637KA	WL-782VMW-96	9/25	1447	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782VM10025KA	WL-782VMW-100	9/25	1630	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
782M1027KA	WL-782MW-10	9/25	1537	WG	BP	N	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
092512KE	FIELDQC	9/25	0850	WQ	NA	EB	0/0	6	3	1	1	1	DOC in 8oz Boston, unfiltered
092512KF	FIELDQC	9/25	1103	WQ	NA	AB	0/0	3	3	-	-	-	
092512KR	FIELDQC	9/25	0852	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0. Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056. Note 3: DOC: method SM5310B. Note 4: Alkalinity: method SM2320B.	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) K Mentzel	Date: 9-26-12	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0925	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-26-12	#3 Received by: (Sig)	Date:
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 0925	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

K1209284

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Alkalinity note 4 ~~250 mL glass~~ (no headspace) 500 mL POLY	Comments
001	782VM10118KA	WL-782VMW-101	9/26	1100	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved unfiltered
002	782VM10118KC	WL-782VMW-101	9/26	1100	WG	BP	FD	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
003	782VM105B36KB	WL-782VMW-105B	9/26	1512	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
004	782VM105B36KC	WL-782VMW-105B	9/26	1512	WG	BP	FD	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
003	782VM105B36KS	WL-782VMW-105B	9/26	1512	WG	BP	(MS)	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
003	782VM105B36KD	WL-782VMW-105B	9/26	1512	WG	BP	(SD)	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
005	782VM12116KA	WL-782VMW-121	9/26	1414	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
006	782VM121D26KA	WL-782VMW-121D	9/26	1221	WG	BP	N	0/0	6	3	1	1	1	DOC, unpreserved, unfiltered
007	782SW11501KA	782SW-115	9/26	0952	WS	G	N	0/0	3	3	-	-	-	
008	782SW11801KA	782SW-118	9/26	1006	WS	G	N	0/0	3	3	-	-	-	
009	782SW11901KA	782SW-119	9/26	1026	WS	G	N	0/0	3	3	-	-	-	
	~~092612KE~~	~~FIELDQC~~	~~9/26~~	~~1700~~	~~WQ~~	~~NA~~	~~EB~~	~~0/0~~	~~6~~	~~3~~	~~1~~	~~1~~	~~1~~	
010	092612KJF	FIELDQC	9/26	1432	WQ	NA	AB	0/0	3	3	-	-	-	
011	092612KR	FIELDQC	9/26	0850	WQ	NA	TB	0/0	2	2	-	-	-	

K 1209284

Sample Condition Upon Receipt at Laboratory:	Cooler temperature: < 6.0°C
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0. Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056. Note 3: DOC: method SM5310B. Note 4: Alkalinity: method SM2320B.	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9/27/12	#3 Released by: (Sig)	Date: 9-27-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0900	Company Name: LSL	Time: 12:00
#1 Received by: (Sig) Niels van Hoesel	Date: :	#2 Received by: (Sig)	Date: 9/27/12	#3 Received by: (Sig)	Date: 9-27-12
Company Name: FPM Group Ltd	Time: 1000	Company Name: LSL	Time: 930	Company Name: LSL	Time: 12:00

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **9/27/2012 12:00:00 PM**

Work Order Number: **K1209284**

Received by: gis

Checklist completed by: GS (Initials) 9-27-12 (Date)

Reviewed by: AC (Initials) 9-28-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

pH	Preservative	pH Acceptable	Sample ID	Volume of Preservative added in Lab.
>12	NaOH	Yes ☐ N ☐ NA ☑		
<2	HNO3	Yes ☐ N ☐ NA ☑		
<2	HSO4	Yes ☑ N ☐ NA ☐		
<2	1:1 HCL	Yes ☑ N ☐ NA ☐		
5-9	Pest/PCBs (608/8081)	Yes ☐ N ☐ NA ☑		

Comments:

Sample ID on COC for #010 is 092612KJF. Sample is labeled 092612KF.

Corrective Action:

Label is correct per Tony C.

Client/Project FPM / K1209275 Rec'd 9-26-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1209275-001→12	C/A			Stored in Fridge 1B	8260	9/26/12 1700
K1209275-001→12	C/A		(LN)	9/27/12 0645	8260	NR
K1209275-001→010	B		MT	9/26/12 1500	9056	9/26/12 1700
K1209275-001,007,008	B		MT	10/10/12 900	9056	10/10/12 1600
K1209275-001→010	D		MT	10/10/12 1000	5310B	10/10/12 1630

Client/Project FPM / K1209284 Rec'd 9-27-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1209284-001→11	C/A			Stored in Fridge 1B	8260	9/27/12 1530
K1209284-001→11	C/A			10/2/12 0715	8260	NR
K1209284-001→006	B		MT	9/27/12 1300	9056	9/27/12 1630
K1209284-001,002,005	B		MT	10/10/12 900	9056	10/10/12 1600
K1209284-001→006	D		MT	10/10/12 9:10	5310B	10/10/12 1620

Client/Project FPM K1209275 + K1209284

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1209275-001→010	A		JJC	9/28/12 0700	TALK	9/28/12 1200
K1209284-001→006	A		JJC	10/3/12 0700	TALK	10/3/12 1200

Analytical Results

GC/MS Volatile Organics Data

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R24699

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA	K1209275-001C
782VM7638KA	K1209275-002C
782VM7840KA	K1209275-003C
782VM8146KA	K1209275-004C
782VM8440KA	K1209275-005C
782VM84D50KA	K1209275-006C
782VM9637KA	K1209275-007C
782VM10025KA	K1209275-008C
782M1027KA	K1209275-009C
092512KE	K1209275-010C
092512KF	K1209275-011A
092512KR	K1209275-012A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24734

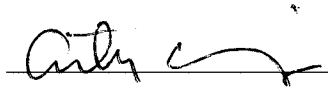
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM10118KA	K1209284-001C
782VM10118KC	K1209284-002C
782VM105B36KB	K1209284-003C
782VM105B36KB	K1209284-003CMS
782VM105B36KB	K1209284-003CMSD
782VM105B36KC	K1209284-004C
782VM12116KA	K1209284-005C
782VM121D26KA	K1209284-006C
782SW11501KA	K1209284-007C
782SW11801KA	K1209284-008C
782SW11901KA	K1209284-009C
092612KF	K1209284-010A
092612KR	K1209284-011A

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1131.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	1.30	1		F
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	8.03	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	1.58	1		
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	211	1		J
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1131.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.330	1		F
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.730	1		F
Methyl tert-butyl ether	0.160	5.00	30.1	1		
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.630	1		F
Naphthalene	0.100	1.00	2.46	1		
o-Xylene	0.100	1.00	0.120	1		F
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.260	1		F
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1131.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	1.42	1		F

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	81	72 - 119	
4-Bromofluorobenzene	92	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	464300	271303 - 1085212	
Chlorobenzene-d5	506224	315344 - 1261376	
Fluorobenzene	1366968	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1132.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	2.23	1		
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1132.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.740	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	3.91	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.510	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	9.54	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1132.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	93	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	456556	271303 - 1085212	
Chlorobenzene-d5	513523	315344 - 1261376	
Fluorobenzene	1294600	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1133.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.200	2		U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		UQ
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	2.00	2		U
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1133.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	46.7	2		
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	0.320	2		U
Methylene chloride	0.320	2.00	0.320	2		U
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	3.94	2		
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	0.200	2		U
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	6.38	2		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1133.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	442417	271303 - 1085212	
Chlorobenzene-d5	509348	315344 - 1261376	
Fluorobenzene	1292963	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1134.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1134.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	25.5	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	1.00	1		
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	3.41	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	2.61	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1134.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	428335	271303 - 1085212	
Chlorobenzene-d5	496208	315344 - 1261376	
Fluorobenzene	1251448	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1135.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.110	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.260	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1135.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.820	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	1.03	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.190	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	35.8	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1135.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	443984	271303 - 1085212	
Chlorobenzene-d5	496323	315344 - 1261376	
Fluorobenzene	1270650	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1136.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.120	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.310	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1136.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.420	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	1.88	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.200	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	24.6	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1136.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	432197	271303 - 1085212	
Chlorobenzene-d5	506720	315344 - 1261376	
Fluorobenzene	1259876	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1137.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.200	2		U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		UQ
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	2.00	2		U
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1137.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	0.200	2		U
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	8.78	2		F
Methylene chloride	0.320	2.00	0.320	2		U
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	0.200	2		U
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	0.200	2		U
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	44.9	2		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1137.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	438622	271303 - 1085212	
Chlorobenzene-d5	498911	315344 - 1261376	
Fluorobenzene	1252109	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1138.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.57	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1138.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1138.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	430430	271303 - 1085212	
Chlorobenzene-d5	502867	315344 - 1261376	
Fluorobenzene	1252928	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1139.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.360	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.85	1		F
Benzene	0.100	0.500	0.440	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1139.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	37.9	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.250	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	3.31	1		
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	20.6	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1139.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	431610	271303 - 1085212	
Chlorobenzene-d5	498803	315344 - 1261376	
Fluorobenzene	1261854	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1140.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1140.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.110	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1140.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	426091	271303 - 1085212	
Chlorobenzene-d5	495891	315344 - 1261376	
Fluorobenzene	1254620	785144 - 3140578	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KF	**Lab Sample ID:**	K1209275-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1141.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KF	**Lab Sample ID:**	K1209275-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1141.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KF	**Lab Sample ID:**	K1209275-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1141.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	416874	271303 - 1085212	
Chlorobenzene-d5	489052	315344 - 1261376	
Fluorobenzene	1219428	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KR	**Lab Sample ID:**	K1209275-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1142.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		UQ
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KR	**Lab Sample ID:**	K1209275-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1142.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092512KR	**Lab Sample ID:**	K1209275-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1853	**File ID:**	R1142.D
Date Received:	26-Sep-12	**Date Extracted:**		**Date Analyzed:**	27-Sep-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	420998	271303 - 1085212	
Chlorobenzene-d5	486944	315344 - 1261376	
Fluorobenzene	1221881	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0566.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0566.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	3.01	1		F
Methylene chloride	0.160	1.00	0.190	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.570	1		F

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0566.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	263001	121878 - 487512	
Chlorobenzene-d5	555886	242134 - 968538	
Fluorobenzene	1431647	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0567.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0567.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	3.16	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.590	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0567.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	269761	121878 - 487512	
Chlorobenzene-d5	563994	242134 - 968538	
Fluorobenzene	1451703	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0568.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.66	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0568.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	1.96	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.320	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	22.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0568.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	252278	121878 - 487512	
Chlorobenzene-d5	532896	242134 - 968538	
Fluorobenzene	1352733	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0562.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	20.1	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	11.2	1		
1,1,1-Trichloroethane	0.100	1.00	10.3	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	9.60	1		
1,1,2-Trichloroethane	0.160	1.00	9.92	1		
1,1-Dichloroethane	0.100	1.00	10.2	1		
1,1-Dichloroethene	0.160	1.00	10.2	1		
1,1-Dichloropropene	0.100	1.00	9.95	1		
1,2,3-Trichlorobenzene	0.100	1.00	9.43	1		
1,2,3-Trichloropropane	0.330	2.00	10.5	1		
1,2,4-Trichlorobenzene	0.100	1.00	9.68	1		
1,2,4-Trimethylbenzene	0.100	1.00	10.4	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	11.4	1		
1,2-Dibromoethane	0.160	1.00	10.0	1		
1,2-Dichlorobenzene	0.100	1.00	9.79	1		
1,2-Dichloroethane	0.160	0.500	9.87	1		
1,2-Dichloropropane	0.160	1.00	9.61	1		
1,3,5-Trimethylbenzene	0.100	1.00	9.88	1		
1,3-Dichlorobenzene	0.100	1.00	9.88	1		
1,3-Dichloropropane	0.100	0.500	9.65	1		
1,4-Dichlorobenzene	0.160	0.500	10.1	1		
1-Chlorohexane	0.160	1.00	10.2	1		
2,2-Dichloropropane	0.330	1.00	10.2	1		
2-Butanone	1.00	10.0	18.2	1		
2-Chlorotoluene	0.100	1.00	11.2	1		Q
4-Chlorotoluene	0.100	1.00	9.82	1		
4-Methyl-2-pentanone	1.00	10.0	17.2	1		
Acetone	1.00	10.0	16.9	1		
Benzene	0.100	0.500	9.82	1		
Bromobenzene	0.100	1.00	9.51	1		
Bromochloromethane	0.100	1.00	9.56	1		
Bromodichloromethane	0.100	0.500	10.9	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0562.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	12.0	1		
Bromomethane	0.330	3.00	8.52	1		Q
Carbon tetrachloride	0.100	1.00	11.2	1		Q
Chlorobenzene	0.100	0.500	9.68	1		
Chloroethane	0.330	1.00	9.15	1		
Chloroform	0.100	0.500	9.98	1		
Chloromethane	0.330	1.00	8.86	1		
cis-1,2-Dichloroethene	0.100	1.00	12.0	1		
cis-1,3-Dichloropropene	0.160	0.500	9.82	1		
Dibromochloromethane	0.100	0.500	11.1	1		
Dibromomethane	0.160	1.00	9.99	1		
Dichlorodifluoromethane	0.100	1.00	9.64	1		
Ethylbenzene	0.100	1.00	10.3	1		
Hexachlorobutadiene	0.100	1.00	9.56	1		
Isopropylbenzene	0.100	1.00	11.0	1		
Methyl tert-butyl ether	0.160	5.00	9.64	1		
Methylene chloride	0.160	1.00	8.97	1		
n-Butylbenzene	0.100	1.00	10.4	1		
n-Propylbenzene	0.100	1.00	10.4	1		
Naphthalene	0.100	1.00	9.65	1		
o-Xylene	0.100	1.00	9.78	1		
p-Isopropyltoluene	0.160	1.00	10.2	1		
sec-Butylbenzene	0.160	1.00	10.4	1		Q
Styrene	0.100	1.00	10.1	1		
tert-Butylbenzene	0.100	1.00	10.2	1		
Tetrachloroethene	0.100	1.00	10.1	1		
Toluene	0.100	1.00	9.60	1		
trans-1,2-Dichloroethene	0.100	1.00	10.2	1		
trans-1,3-Dichloropropene	0.160	1.00	9.79	1		
Trichloroethene	0.100	1.00	31.1	1		
Trichlorofluoromethane	0.100	1.00	10.2	1		
Vinyl chloride	0.330	1.00	10.7	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0562.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	29.9	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	99	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	305517	121878 - 487512	
Chlorobenzene-d5	582329	242134 - 968538	
Fluorobenzene	1404402	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0563.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	20.6	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	11.0	1		
1,1,1-Trichloroethane	0.100	1.00	10.8	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	10.2	1		
1,1,2-Trichloroethane	0.160	1.00	9.79	1		
1,1-Dichloroethane	0.100	1.00	9.90	1		
1,1-Dichloroethene	0.160	1.00	10.7	1		
1,1-Dichloropropene	0.100	1.00	10.5	1		
1,2,3-Trichlorobenzene	0.100	1.00	9.21	1		
1,2,3-Trichloropropane	0.330	2.00	11.0	1		
1,2,4-Trichlorobenzene	0.100	1.00	9.22	1		
1,2,4-Trimethylbenzene	0.100	1.00	10.4	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	12.2	1		
1,2-Dibromoethane	0.160	1.00	10.3	1		
1,2-Dichlorobenzene	0.100	1.00	9.62	1		
1,2-Dichloroethane	0.160	0.500	9.58	1		
1,2-Dichloropropane	0.160	1.00	9.11	1		
1,3,5-Trimethylbenzene	0.100	1.00	10.1	1		
1,3-Dichlorobenzene	0.100	1.00	9.78	1		
1,3-Dichloropropane	0.100	0.500	9.90	1		
1,4-Dichlorobenzene	0.160	0.500	9.80	1		
1-Chlorohexane	0.160	1.00	11.1	1		
2,2-Dichloropropane	0.330	1.00	10.5	1		
2-Butanone	1.00	10.0	17.5	1		
2-Chlorotoluene	0.100	1.00	11.3	1		Q
4-Chlorotoluene	0.100	1.00	9.74	1		
4-Methyl-2-pentanone	1.00	10.0	17.3	1		
Acetone	1.00	10.0	17.0	1		
Benzene	0.100	0.500	9.67	1		
Bromobenzene	0.100	1.00	9.39	1		
Bromochloromethane	0.100	1.00	8.98	1		
Bromodichloromethane	0.100	0.500	10.2	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0563.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	12.2	1		
Bromomethane	0.330	3.00	7.28	1		Q
Carbon tetrachloride	0.100	1.00	11.8	1		Q
Chlorobenzene	0.100	0.500	9.66	1		
Chloroethane	0.330	1.00	9.40	1		
Chloroform	0.100	0.500	9.63	1		
Chloromethane	0.330	1.00	8.86	1		
cis-1,2-Dichloroethene	0.100	1.00	11.4	1		
cis-1,3-Dichloropropene	0.160	0.500	9.36	1		
Dibromochloromethane	0.100	0.500	11.1	1		
Dibromomethane	0.160	1.00	9.78	1		
Dichlorodifluoromethane	0.100	1.00	10.4	1		
Ethylbenzene	0.100	1.00	10.7	1		
Hexachlorobutadiene	0.100	1.00	10.1	1		
Isopropylbenzene	0.100	1.00	11.7	1		
Methyl tert-butyl ether	0.160	5.00	9.50	1		
Methylene chloride	0.160	1.00	8.43	1		
n-Butylbenzene	0.100	1.00	10.9	1		
n-Propylbenzene	0.100	1.00	11.0	1		
Naphthalene	0.100	1.00	9.56	1		
o-Xylene	0.100	1.00	9.74	1		
p-Isopropyltoluene	0.160	1.00	10.7	1		
sec-Butylbenzene	0.160	1.00	11.0	1		Q
Styrene	0.100	1.00	9.81	1		
tert-Butylbenzene	0.100	1.00	10.8	1		
Tetrachloroethene	0.100	1.00	10.9	1		
Toluene	0.100	1.00	9.53	1		
trans-1,2-Dichloroethene	0.100	1.00	10.3	1		
trans-1,3-Dichloropropene	0.160	1.00	9.53	1		
Trichloroethene	0.100	1.00	32.1	1		
Trichlorofluoromethane	0.100	1.00	10.9	1		
Vinyl chloride	0.330	1.00	11.2	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0563.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	30.3	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	99	72 - 119	
4-Bromofluorobenzene	100	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	279430	121878 - 487512	
Chlorobenzene-d5	537130	242134 - 968538	
Fluorobenzene	1349316	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0569.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0569.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	1.88	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		UQ
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.310	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	21.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0569.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	256501	121878 - 487512	
Chlorobenzene-d5	535783	242134 - 968538	
Fluorobenzene	1352731	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0570.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.30	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0570.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	1.66	1		F
Methylene chloride	0.160	1.00	0.200	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	15.5	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0570.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	252697	121878 - 487512	
Chlorobenzene-d5	532575	242134 - 968538	
Fluorobenzene	1363471	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0571.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0571.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	4.05	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	17.9	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0571.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	251915	121878 - 487512	
Chlorobenzene-d5	543581	242134 - 968538	
Fluorobenzene	1396232	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501KA	**Lab Sample ID:**	K1209284-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0572.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.86	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501KA	**Lab Sample ID:**	K1209284-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0572.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.240	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.130	1		F
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501KA	**Lab Sample ID:**	K1209284-007C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0572.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		**U**

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	243750	121878 - 487512	
Chlorobenzene-d5	516693	242134 - 968538	
Fluorobenzene	1315723	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801KA	**Lab Sample ID:**	K1209284-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0573.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.77	1		F
Benzene	0.100	0.500	0.210	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801KA	**Lab Sample ID:**	K1209284-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0573.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.260	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.230	1		F
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801KA	**Lab Sample ID:**	K1209284-008C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0573.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	243207	121878 - 487512	
Chlorobenzene-d5	526515	242134 - 968538	
Fluorobenzene	1356327	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901KA	**Lab Sample ID:**	K1209284-009C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0574.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.88	1		F
Benzene	0.100	0.500	0.200	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901KA	**Lab Sample ID:**	K1209284-009C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0574.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.250	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.250	1		F
Methylene chloride	0.160	1.00	0.190	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901KA	**Lab Sample ID:**	K1209284-009C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0574.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	245239	121878 - 487512	
Chlorobenzene-d5	534190	242134 - 968538	
Fluorobenzene	1365915	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KF	**Lab Sample ID:**	K1209284-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0575.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.47	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KF	**Lab Sample ID:**	K1209284-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0575.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.550	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KF	**Lab Sample ID:**	K1209284-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0575.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	241772	121878 - 487512	
Chlorobenzene-d5	541713	242134 - 968538	
Fluorobenzene	1385412	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KR	**Lab Sample ID:**	K1209284-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0576.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.01	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KR	**Lab Sample ID:**	K1209284-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0576.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.560	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092612KR	**Lab Sample ID:**	K1209284-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0576.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	02-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	236177	121878 - 487512	
Chlorobenzene-d5	509569	242134 - 968538	
Fluorobenzene	1302819	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	**AAB #:**	
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Date of Initial Calibration:**	10-Sep-2012
Initial Calibration ID:	1853	**Concentration Units (ug/L or mg/kg):**	ug/L

SEE ATTACHED

Comments:

Response Factor Report #4MS73

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Wed Sep 12 13:27:37 2012
Response Via : Initial Calibration

Calibration Files
0.25=R0717.D 0.50=R0718.D 1.0 =R0719.D
2.0 =R0722.D 10 =R0721.D 20 =R0724.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------		
2)		Dichlorodifluorom	0.277	0.287	0.262	0.281	0.277	0.276	0.272	3.39
3)	P	Chloromethane	0.387	0.395	0.426	0.433	0.417	0.408	0.404	4.40
4)	CP	Vinyl chloride	0.231	0.225	0.223	0.244	0.249	0.253	0.242	4.96
5)		Bromomethane	0.090	0.095	0.096	0.093	0.092	0.097	0.096	4.51
6)		Chloroethane	0.132	0.120	0.123	0.128	0.124	0.124	0.123	3.66
7)		Trichlorofluorome	0.284	0.273	0.273	0.273	0.284	0.281	0.276	2.16
8)	CPM	1,1-Dichloroethen	0.220	0.221	0.213	0.213	0.224	0.223	0.216	3.68
9)		Carbon disulfide		1.026	0.849	0.729	0.863	0.864	0.862	9.34
10)		1,1,2-Trichloro-1	0.259	0.249	0.243	0.246	0.257	0.257	0.248	4.11
11)		Methyl iodide		0.069	0.085	0.193	0.222	0.308	0.227	45.53
12)		Acrolein	0.021	0.022	0.023	0.026	0.026	0.027	0.025	10.22
13)		Methylene chlorid		0.487	0.370	0.330	0.279	0.266	0.311	26.91
14)		Acetone	0.066	0.045	0.040	0.036	0.029	0.028	0.036	35.36
15)		trans-1,2-Dichlor	0.245	0.249	0.231	0.240	0.254	0.250	0.243	3.52
16)		Methyl acetate	0.080	0.079	0.081	0.091	0.075	0.078	0.079	6.28
17)		Methyl tert-Butyl	0.318	0.330	0.295	0.312	0.310	0.309	0.309	3.29
18)		tert-Butyl Alcoho	0.006	0.006	0.007	0.009	0.007	0.007	0.007	11.49
19)	P	1,1-Dichloroethan	0.431	0.428	0.401	0.424	0.439	0.436	0.424	3.43
20)		Acrylonitrile	0.039	0.049	0.046	0.052	0.050	0.051	0.049	8.33
21)		Vinyl acetate	0.178	0.165	0.178	0.195	0.226	0.218	0.208	14.50
22)		cis-1,2-Dichloroe	0.251	0.269	0.258	0.256	0.280	0.275	0.264	3.87
23)		2,2-Dichloropropa	0.198	0.184	0.186	0.187	0.217	0.224	0.208	9.33
24)		Bromochloromethan	0.088	0.096	0.098	0.101	0.104	0.103	0.099	5.04
25)		Cyclohexane	0.485	0.474	0.463	0.501	0.521	0.528	0.494	5.25
26)	CP	Chloroform	0.401	0.418	0.373	0.387	0.408	0.403	0.394	4.07
27)		Carbon tetrachlor	0.111	0.123	0.125	0.135	0.174	0.184	0.157	20.68
28)		Tetrahydrofuran							0.000	-1.00
29)		1,1,1-Trichloroet	0.230	0.250	0.241	0.246	0.285	0.287	0.264	8.35
30)		2-Butanone	0.045	0.038	0.042	0.046	0.041	0.043	0.043	5.47
31)		1,1-Dichloroprope	0.323	0.321	0.318	0.323	0.353	0.352	0.333	4.58
32)	M	Benzene	1.119	1.106	1.024	1.073	1.125	1.114	1.078	4.30
33)	S	1,2-Dichloroethan		0.187	0.176	0.180	0.183	0.183	0.181	1.98
34)		1,2-Dichloroethan	0.209	0.204	0.198	0.207	0.216	0.215	0.207	2.83
35)	M	Trichloroethene	0.281	0.261	0.267	0.263	0.282	0.277	0.269	3.97
36)		Methylcyclohexane	0.407	0.397	0.374	0.401	0.432	0.436	0.409	5.36
37)		Dibromomethane	0.088	0.108	0.099	0.101	0.111	0.111	0.105	7.33
38)	CP	1,2-Dichloropropa	0.267	0.266	0.260	0.272	0.281	0.283	0.272	3.12
39)		Bromodichlorometh	0.185	0.196	0.186	0.187	0.228	0.236	0.215	12.07
40)		2-Chloroethylviny				0.000	0.000	0.000	0.000	27.99 Q
41)		cis-1,3-Dichlorop	0.220	0.223	0.225	0.231	0.294	0.313	0.274	17.41
42)	CPM	Toluene	0.633	0.658	0.632	0.675	0.715	0.705	0.675	4.40
43)		4-Methyl-2-pentan	0.083	0.089	0.086	0.102	0.095	0.101	0.096	8.70
44)		trans-1,3-Dichlor	0.131	0.131	0.133	0.140	0.184	0.205	0.176	23.58
45)		1,1,2-Trichloroet	0.141	0.156	0.143	0.154	0.159	0.156	0.152	4.02

9/12/12

Response Factor Report #4MS73

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Wed Sep 12 13:27:37 2012
Response Via : Initial Calibration

Calibration Files
0.25=R0717.D 0.50=R0718.D 1.0 =R0719.D
2.0 =R0722.D 10 =R0721.D 20 =R0724.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
46)		2-Hexanone	0.056	0.057	0.059	0.068	0.064	0.068	0.065	9.94
47)	I	Chlorobenzene-d5	----------	ISTD	----------					
48)	S	Toluene-d8		2.696	2.432	2.415	2.488	2.397	2.380	7.61
49)		Tetrachloroethene	0.561	0.625	0.587	0.596	0.631	0.607	0.587	5.79
50)		Dibromochlorometh	0.266	0.268	0.251	0.258	0.331	0.345	0.308	14.63
51)		1,3-Dichloropropa	0.674	0.723	0.667	0.700	0.713	0.695	0.681	4.50
52)		1,2-Dibromoethane	0.324	0.369	0.333	0.349	0.384	0.376	0.359	5.72
53)		1-Chlorohexane	0.843	0.765	0.772	0.794	0.902	0.886	0.827	6.39
54)	PM	Chlorobenzene		3.063	2.325	2.138	1.913	1.830	2.048	22.96
55)	CP	Ethylbenzene	3.429	3.303	3.158	3.228	3.343	3.229	3.168	6.80
56)		1,1,1,2-Tetrachlo	0.348	0.353	0.347	0.352	0.415	0.417	0.387	9.04
57)		(m+p)-Xylene	1.283	1.253	1.221	1.270	1.358	1.327	1.267	4.62
58)		o-Xylene	1.234	1.200	1.159	1.224	1.319	1.302	1.232	4.61
59)		Styrene	1.543	1.643	1.636	1.792	2.013	2.010	1.819	9.69
60)	P	Bromoform	0.108	0.116	0.113	0.123	0.149	0.157	0.142	19.19
61)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
62)		Isopropylbenzene	3.161	3.102	3.142	3.241	3.411	3.374	3.195	5.24
63)	S	Bromofluorobenzen		1.096	0.983	0.994	1.002	0.996	1.002	3.90
64)		Bromobenzene	0.829	0.807	0.779	0.830	0.821	0.809	0.799	3.78
65)		n-Propylbenzene	4.361	4.247	4.300	4.550	4.791	4.709	4.408	6.52
66)	P	1,1,2,2-Tetrachlo	0.587	0.603	0.613	0.610	0.602	0.598	0.604	1.74
67)		1,3,5-Trimethylbe	2.738	2.719	2.773	2.933	3.132	3.119	2.910	5.98
68)		2-Chlorotoluene	2.825	2.957	2.975	3.126	3.131	3.111	3.019	3.90
69)		1,2,3-Trichloropr	0.110	0.122	0.125	0.117	0.122	0.124	0.122	4.44
70)		trans-1,4-Dichlor			0.021	0.026	0.034	0.040	0.040	35.37 Q
71)		4-Chlorotoluene	2.586	2.560	2.574	2.725	2.832	2.802	2.666	4.54
72)		tert-Butylbenzene	2.267	2.310	2.241	2.394	2.506	2.487	2.353	5.00
73)		1,2,4-Trimethylbe	2.508	2.619	2.725	2.915	3.078	3.038	2.825	7.09
74)		sec-Butylbenzene	3.584	3.549	3.493	3.805	3.970	3.892	3.667	6.08
75)		p-Isopropyltoluen	2.418	2.474	2.505	2.776	3.001	3.012	2.727	8.70
76)		1,3-Dichlorobenze	1.689	1.655	1.662	1.693	1.719	1.696	1.660	3.56
77)		1,4-Dichlorobenze	1.811	1.731	1.666	1.704	1.692	1.659	1.664	5.40
78)		n-Butylbenzene	2.165	2.251	2.365	2.874	3.004	3.057	2.695	13.11
79)		1,2-Dichlorobenze	1.391	1.436	1.412	1.527	1.514	1.504	1.451	4.14
80)		1,2-Dibromo-3-chl		0.074	0.050	0.064	0.053	0.056	0.059	12.81
81)		Hexachlorobutadie	0.261	0.277	0.279	0.383	0.341	0.354	0.321	13.13
82)		1,2,4-Trichlorobe		0.305	0.413	0.678	0.777	0.807	0.672	29.87
83)		Naphthalene		0.421	0.471	1.152	1.209	1.351	1.098	37.79
84)		1,2,3-Trichlorobe		0.178	0.261	0.528	0.591	0.625	0.506	35.90

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

Response Factor Report #4MS73

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Tue Sep 11 11:09:31 2012
Response Via : Initial Calibration

Calibration Files
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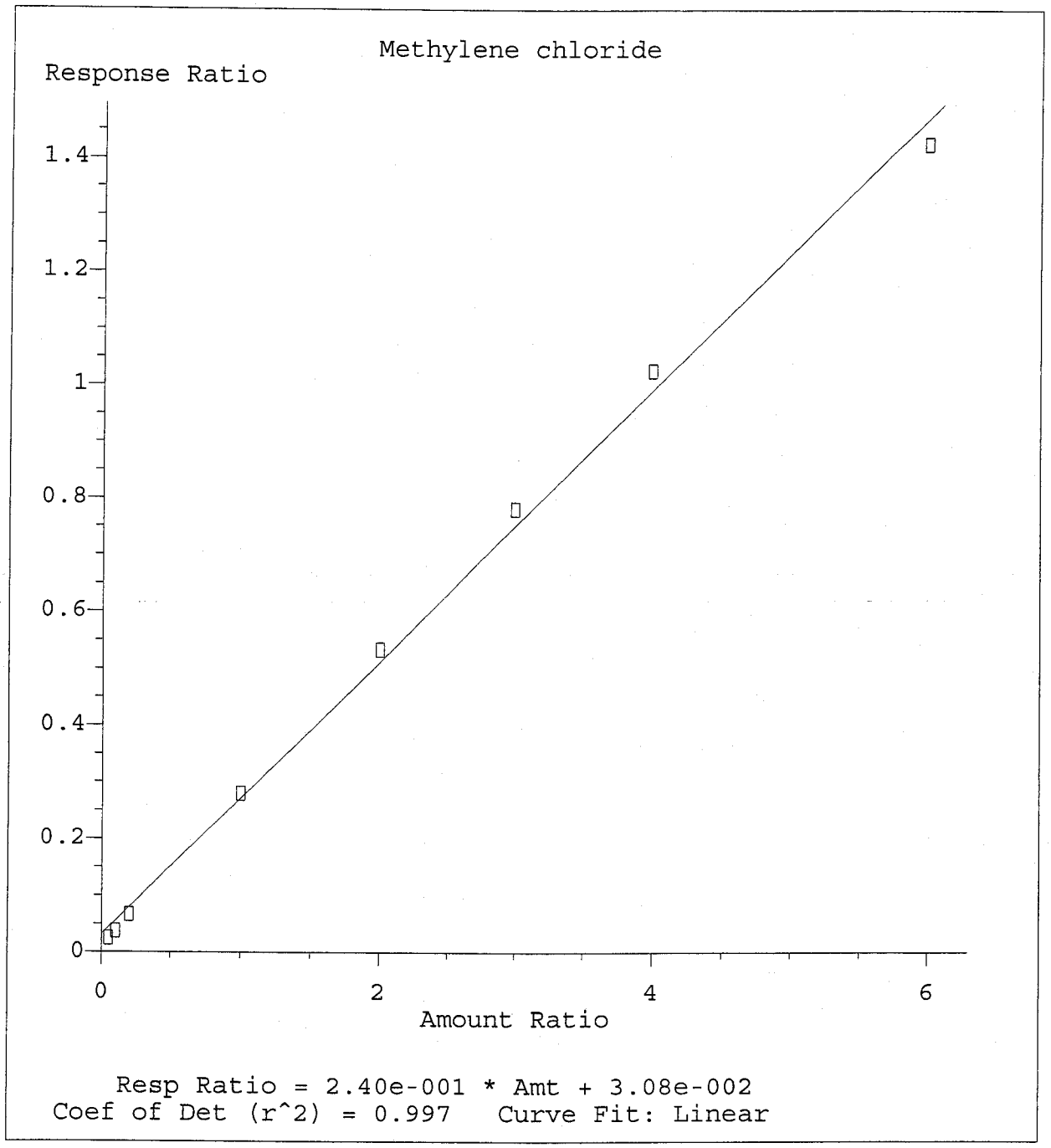
		Compound	30	40	60	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------		
2)		Dichlorodifluorom	0.267	0.265	0.259		
3)	P	Chloromethane	0.393	0.396	0.383		
4)	CP	Vinyl chloride	0.246	0.249	0.254		
5)		Bromomethane	0.100	0.103	0.100		
6)		Chloroethane	0.122	0.119	0.118		
7)		Trichlorofluorome	0.274	0.271	0.268		
8)	CPM	1,1-Dichloroethen	0.218	0.216	0.198		
9)		Carbon disulfide	0.858	0.863	0.840		
10)		1,1,2-Trichloro-1	0.251	0.248	0.226		
11)		Methyl iodide	0.315	0.320	0.301		
12)		Acrolein	0.027	0.027	0.028		
13)		Methylene chlorid	0.260	0.256	0.237		
14)		Acetone	0.028	0.028	0.027		
15)		trans-1,2-Dichlor	0.245	0.245	0.228		
16)		Methyl acetate	0.075	0.080	0.075		
17)		Methyl tert-Butyl	0.305	0.305	0.300		
18)		tert-Butyl Alcoho	0.007	0.007	0.007		
19)	P	1,1-Dichloroethan	0.429	0.429	0.398		
20)		Acrylonitrile	0.049	0.052	0.053		
21)		Vinyl acetate	0.233	0.225	0.253		
22)		cis-1,2-Dichloroe	0.270	0.269	0.252		
23)		2,2-Dichloropropa	0.230	0.232	0.217		
24)		Bromochloromethan	0.102	0.102	0.097		
25)		Cyclohexane	0.516	0.507	0.457		
26)	CP	Chloroform	0.395	0.388	0.368		
27)		Carbon tetrachlor	0.188	0.191	0.181		
28)		Tetrahydrofuran					
29)		1,1,1-Trichloroet	0.283	0.284	0.267		
30)		2-Butanone	0.017	0.017	0.018		
31)		1,1-Dichloroprope	0.346	0.344	0.318		
32)	M	Benzene	1.083	1.071	0.987		
33)	S	1,2-Dichloroethan	0.178	0.178	0.180		
34)		1,2-Dichloroethan	0.209	0.207	0.201		
35)	M	Trichloroethene	0.270	0.268	0.249		
36)		Methylcyclohexane	0.425	0.424	0.383		
37)		Dibromomethane	0.109	0.110	0.108		
38)	CP	1,2-Dichloropropa	0.277	0.278	0.261		
39)		Bromodichlorometh	0.239	0.244	0.236		
40)		2-Chloroethylviny	0.000	0.000	0.000		
41)		cis-1,3-Dichlorop	0.317	0.327	0.317		
42)	CPM	Toluene	0.693	0.692	0.674		
43)		4-Methyl-2-pentan	0.100	0.102	0.106		
44)		trans-1,3-Dichlor	0.213	0.222	0.223		
45)		1,1,2-Trichloroet	0.155	0.156	0.153		

Method Path : C:\MSDCHEM\1\METHODS\
Method File : R910VOCW.M
Title : #4MS73, VOC's w/Restek Rtx-VMS, 0.25mmX60M, 1.4df
Last Update : Tue Sep 11 11:09:31 2012
Response Via : Initial Calibration

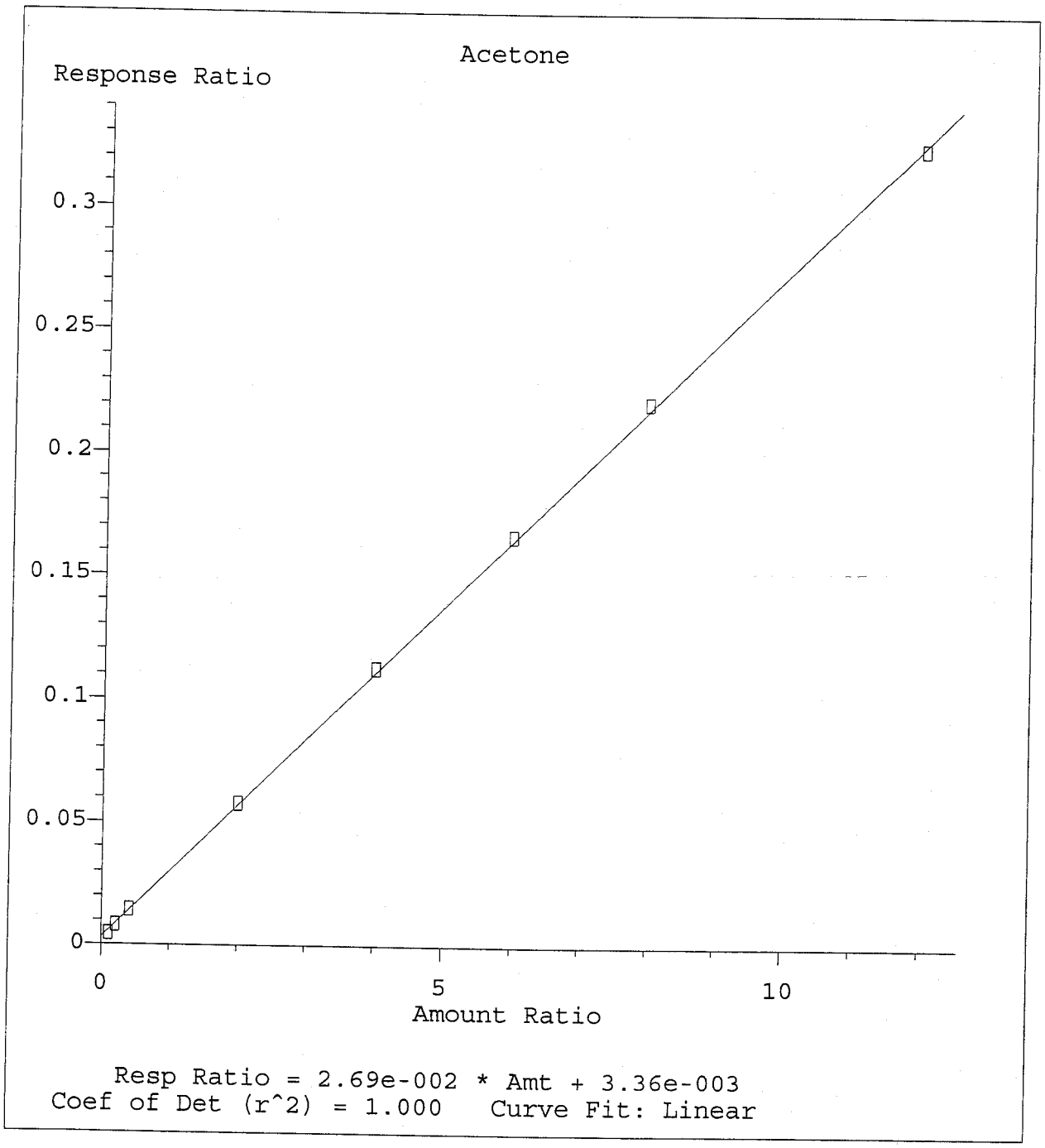
Calibration Files
30 =R0725.D 40 =R0726.D 60 =R0728.D

		Compound	30	40	60	Avg	%RSD
46)		2-Hexanone	0.069	0.071	0.074		
47)	I	Chlorobenzene-d5	ISTD				
48)	S	Toluene-d8	2.300	2.215	2.097		
49)		Tetrachloroethene	0.590	0.571	0.520		
50)		Dibromochlorometh	0.350	0.353	0.347		
51)		1,3-Dichloropropa	0.675	0.661	0.622		
52)		1,2-Dibromoethane	0.372	0.371	0.350		
53)		1-Chlorohexane	0.865	0.848	0.772		
54)	PM	Chlorobenzene	1.769	1.742	1.605		
55)	CP	Ethylbenzene	3.108	3.013	2.700		
56)		1,1,1,2-Tetrachlo	0.417	0.421	0.411		
57)		(m+p)-Xylene	1.281	1.260	1.154		
58)		o-Xylene	1.260	1.242	1.154		
59)		Styrene	1.953	1.939	1.841		
60)	P	Bromoform	0.166	0.172	0.177		
61)	I	1,4-Dichlorobenzene-d	ISTD				
62)		Isopropylbenzene	3.272	3.213	2.843		
63)	S	Bromofluorobenzen	0.984	0.981	0.976		
64)		Bromobenzene	0.792	0.789	0.734		
65)		n-Propylbenzene	4.509	4.387	3.815		
66)	P	1,1,2,2-Tetrachlo	0.592	0.605	0.621		
67)		1,3,5-Trimethylbe	3.046	3.007	2.721		
68)		2-Chlorotoluene	3.081	3.103	2.863		
69)		1,2,3-Trichloropr	0.123	0.126	0.128		
70)		trans-1,4-Dichlor	0.046	0.051	0.061		
71)		4-Chlorotoluene	2.732	2.705	2.477		
72)		tert-Butylbenzene	2.418	2.403	2.155		
73)		1,2,4-Trimethylbe	2.949	2.924	2.664		
74)		sec-Butylbenzene	3.766	3.700	3.249		
75)		p-Isopropyltoluen	2.912	2.878	2.567		
76)		1,3-Dichlorobenze	1.667	1.643	1.516		
77)		1,4-Dichlorobenze	1.623	1.608	1.487		
78)		n-Butylbenzene	2.970	2.960	2.608		
79)		1,2-Dichlorobenze	1.467	1.456	1.348		
80)		1,2-Dibromo-3-chl	0.058	0.060	0.060		
81)		Hexachlorobutadie	0.338	0.350	0.302		
82)		1,2,4-Trichlorobe	0.811	0.832	0.755		
83)		Naphthalene	1.408	1.460	1.314		
84)		1,2,3-Trichlorobe	0.626	0.650	0.591		

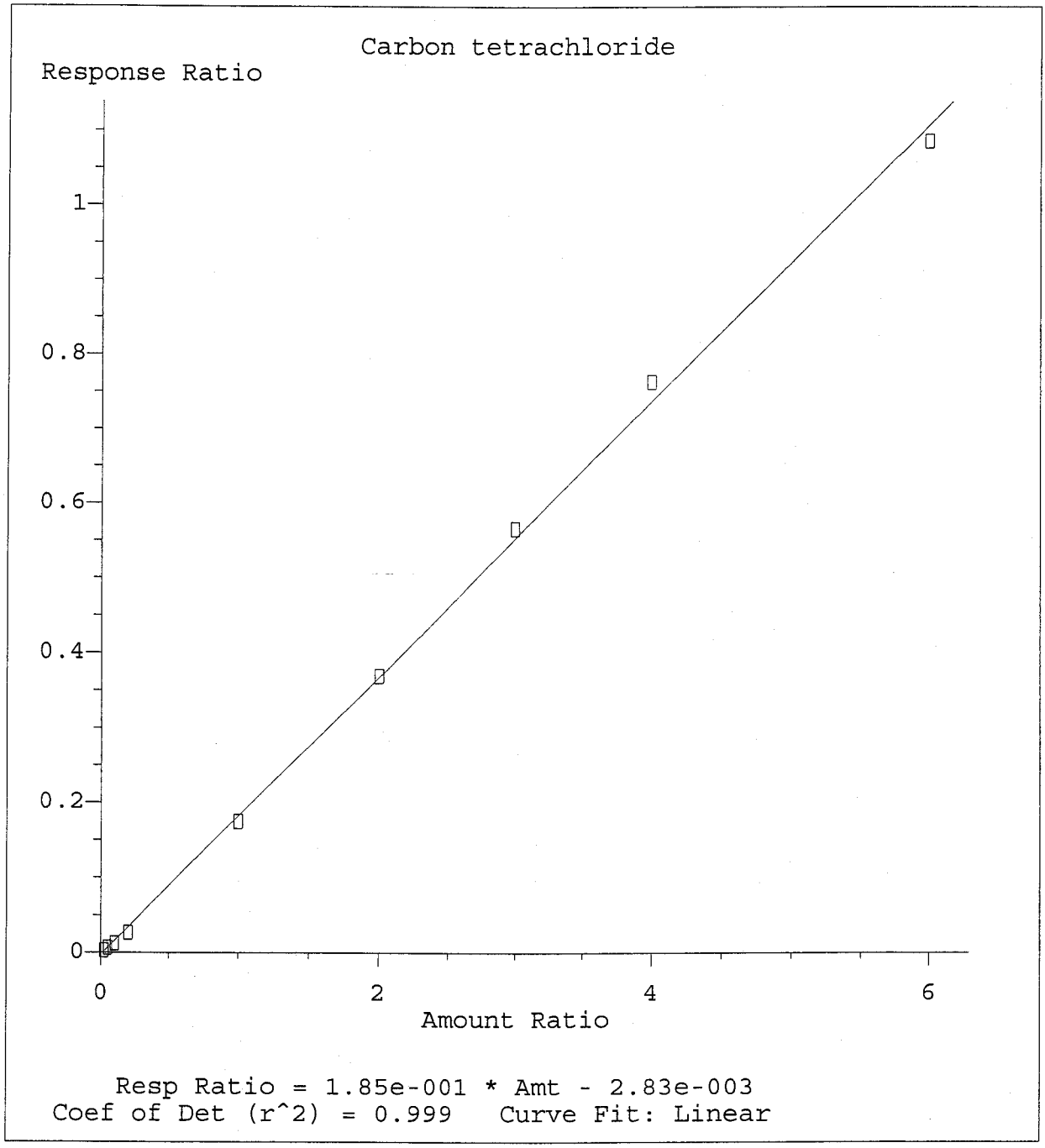
(#) = Out of Range ### Number of calibration levels exceeded



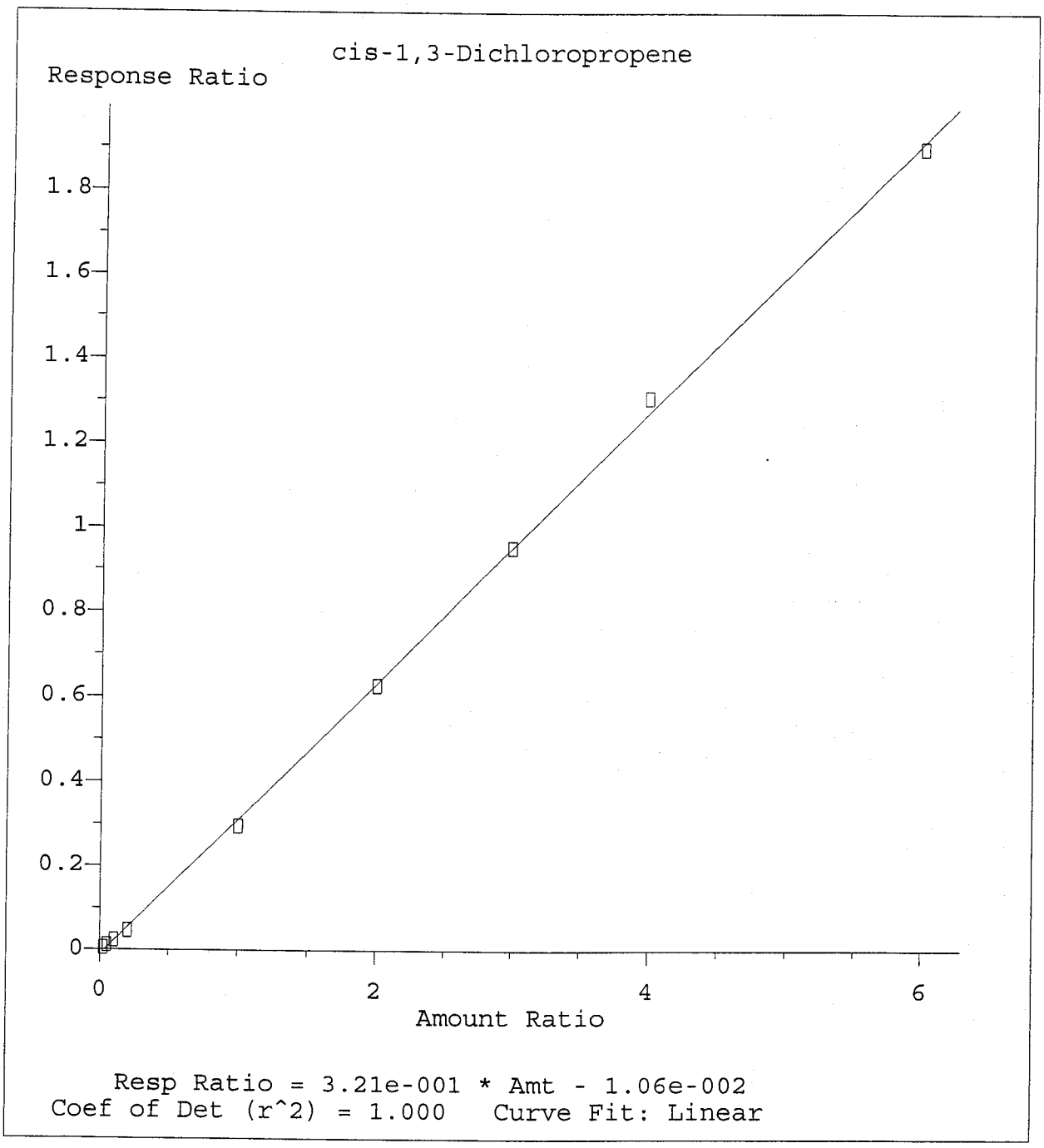
Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



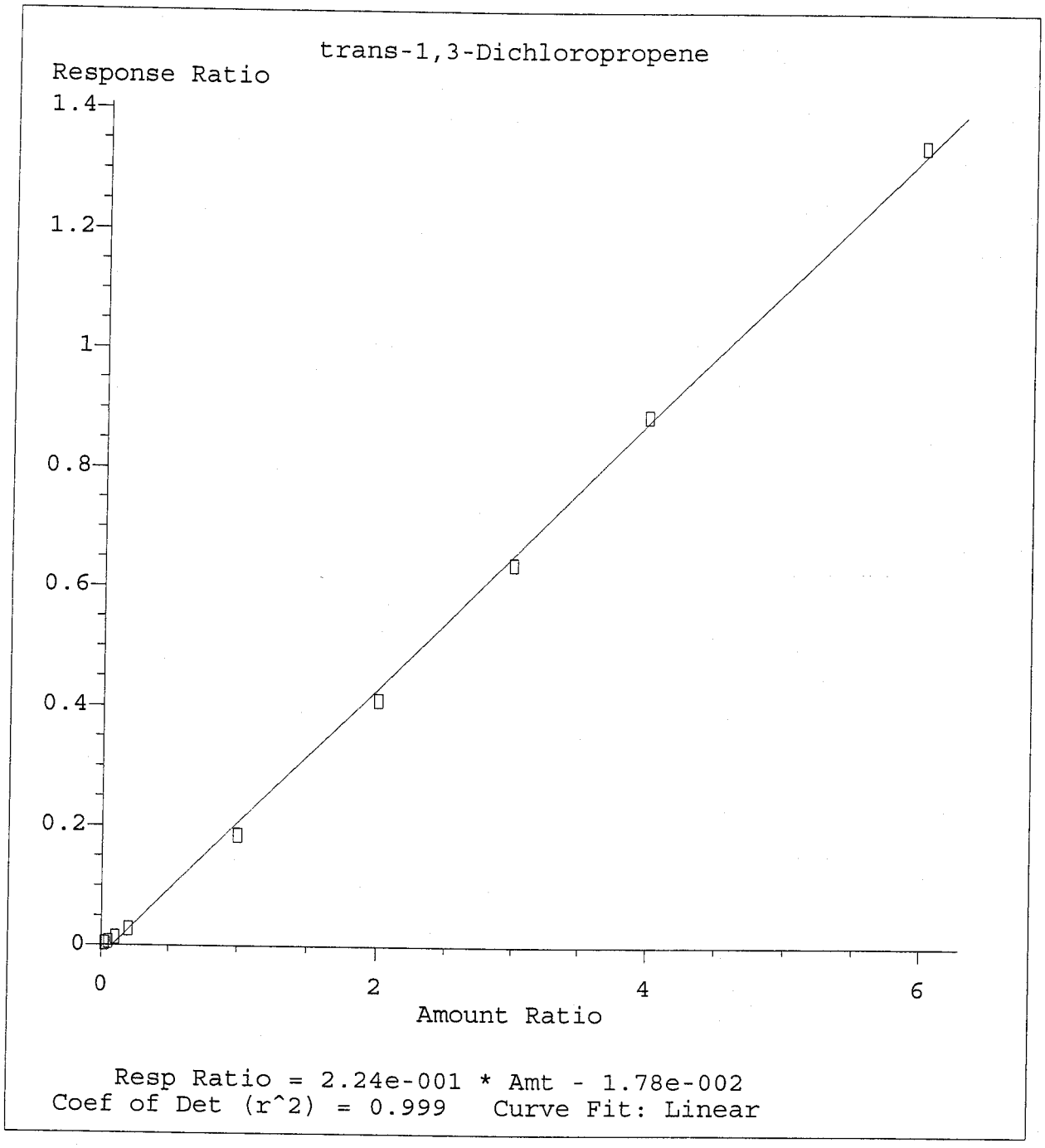
Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



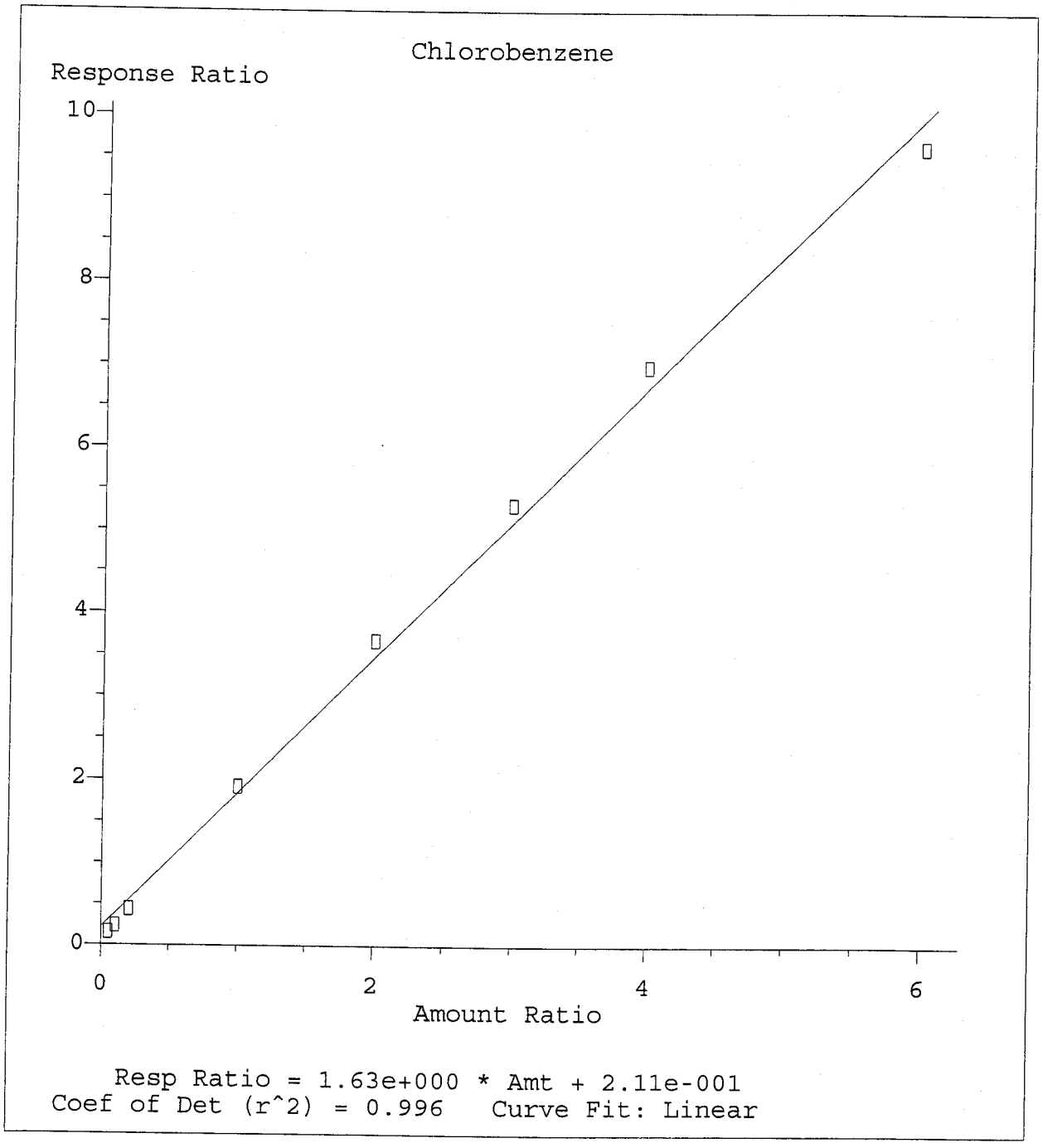
Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



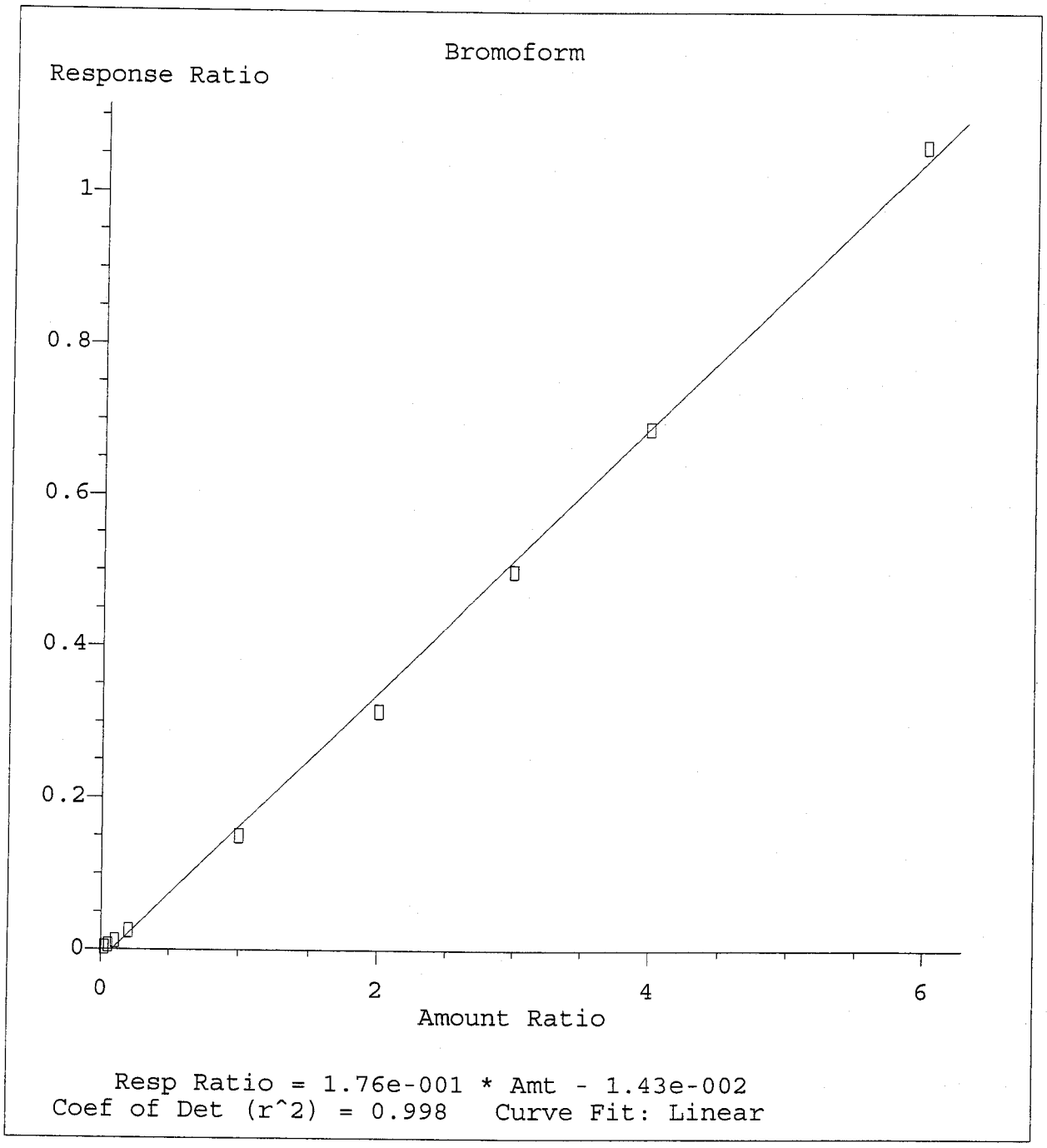
Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



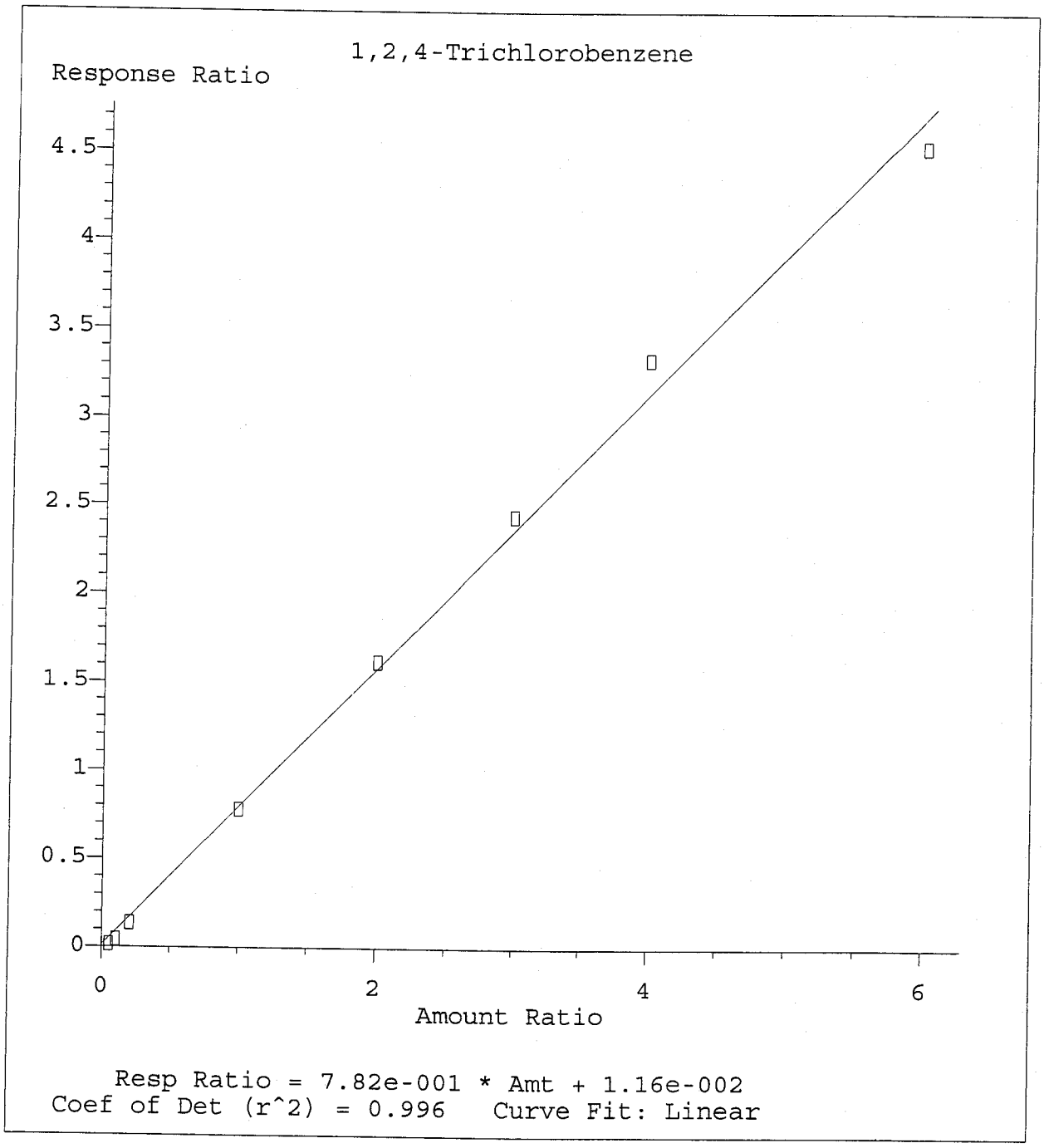
Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



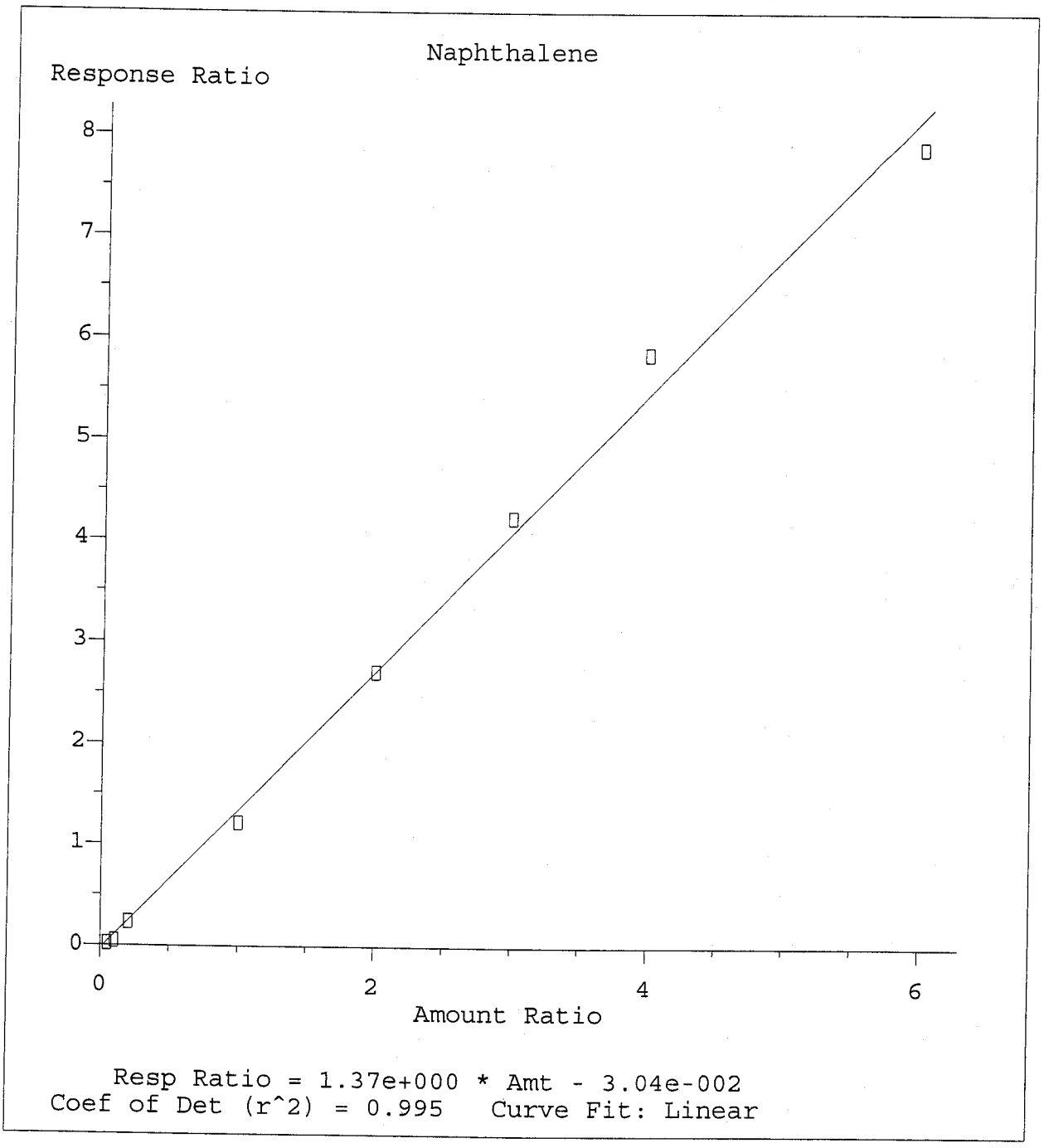
Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



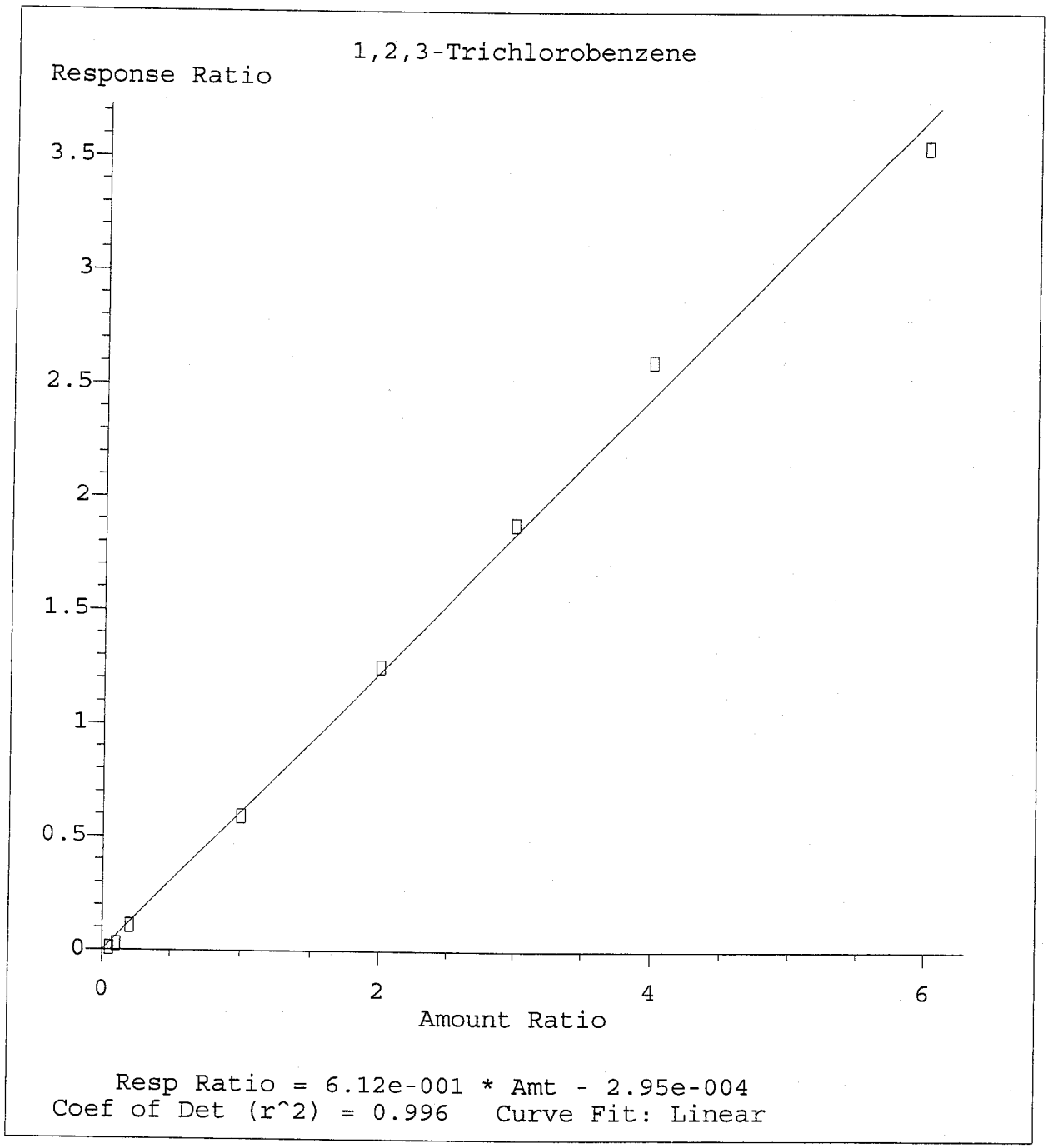
Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012



Method Name: C:\MSDCHEM\1\METHODS\R910VOCW.M
Calibration Table Last Updated: Tue Sep 11 10:58:53 2012

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	**AAB #:**	
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Date of Initial Calibration:**	17-Jul-2012
Initial Calibration ID:	1853	**Concentration Units (ug/L or mg/kg):**	ug/L

SEE ATTACHED

Comments:

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:27:43 2012
Response via : Continuing Calibration

Calibration Files
0.25 =K0440.D 0.50 =K0441.D 1.0 =K0442.D
2.0 =K0443.D 10 =K0444.D 20 =K0446.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------		
2)		Dichlorodifluoromet	0.359	0.356	0.347	0.345	0.378	0.343	0.351	5.11
3)	P	Chloromethane		0.469	0.436	0.428	0.426	0.400	0.406	9.35
4)	CP	Vinyl chloride	0.555	0.510	0.521	0.497	0.527	0.500	0.495	7.78
5)		Bromomethane	0.153	0.186	0.184	0.198	0.199	0.178	0.175	9.69
6)		Chloroethane	0.222	0.220	0.228	0.225	0.235	0.228	0.224	3.79
7)		Trichlorofluorometh	0.420	0.405	0.416	0.395	0.429	0.413	0.411	4.06
8)	CPM	1,1-Dichloroethene	0.240	0.228	0.234	0.222	0.236	0.228	0.231	3.87
9)		Carbon disulfide	0.929	0.819	0.808	0.798	0.902	0.888	0.859	5.75
10)		1,1,2-Trichloro-1,2	0.262	0.269	0.253	0.239	0.257	0.246	0.254	5.18
11)		Methyl iodide		0.079	0.123	0.171	0.248	0.281	0.238	38.34
12)		Acrolein	0.009	0.008	0.006	0.007	0.007	0.006	0.007	20.33
13)		Methylene chloride			0.355	0.318	0.297	0.273	0.289	11.95
14)		Acetone				0.051	0.030	0.032	0.034	22.94
15)		tert-Butyl alcohol		0.006	0.006	0.006	0.006	0.007	0.007	7.34
16)		trans-1,2-Dichloroe	0.269	0.246	0.249	0.248	0.261	0.255	0.254	3.99
17)		Methyl acetate		0.175	0.172	0.148	0.130	0.126	0.137	17.05
18)		Methyl tert-Butyl e	0.522	0.513	0.501	0.503	0.505	0.499	0.505	3.73
19)	P	1,1-Dichloroethane	0.501	0.496	0.486	0.496	0.512	0.496	0.491	3.69
20)		Acrylonitrile	0.037	0.038	0.040	0.042	0.043	0.043	0.041	6.11
21)		Vinyl acetate	0.344	0.316	0.301	0.300	0.304	0.304	0.311	5.51
22)		cis-1,2-Dichloroeth	0.263	0.278	0.266	0.276	0.284	0.279	0.276	3.89
23)		2,2-Dichloropropane	0.417	0.391	0.384	0.380	0.406	0.393	0.394	4.35
24)		Bromochloromethane	0.082	0.085	0.091	0.097	0.100	0.101	0.098	10.11
25)		Cyclohexane	0.508	0.508	0.499	0.470	0.508	0.481	0.494	4.59
26)	CP	Chloroform	0.521	0.488	0.477	0.480	0.503	0.491	0.493	4.00
27)		Carbon tetrachlorid	0.261	0.252	0.256	0.249	0.281	0.272	0.275	7.91
28)		Tetrahydrofuran			0.046	0.040	0.035	0.036	0.037	12.71
29)		1,1,1-Trichloroetha	0.362	0.362	0.362	0.368	0.399	0.393	0.384	5.66
30)		2-Butanone			0.052	0.053	0.046	0.048	0.049	6.75
31)		1,1-Dichloropropene	0.389	0.372	0.380	0.375	0.398	0.389	0.385	3.85
32)	M	Benzene	1.101	1.078	1.087	1.097	1.130	1.104	1.088	3.56
33)	S	1,2-Dichloroethane-	0.269	0.247	0.249	0.258	0.261	0.258	0.257	4.01
34)		1,2-Dichloroethane	0.275	0.287	0.285	0.298	0.303	0.301	0.294	4.34
35)		Methylcyclohexane	0.467	0.433	0.423	0.401	0.435	0.421	0.435	6.02
36)	M	Trichloroethene	0.269	0.257	0.263	0.258	0.280	0.278	0.277	6.57
37)		Dibromomethane	0.092	0.094	0.100	0.103	0.111	0.112	0.107	9.44
38)	CP	1,2-Dichloropropane	0.259	0.253	0.256	0.258	0.273	0.269	0.265	4.31
39)		Bromodichloromethan	0.265	0.255	0.252	0.250	0.289	0.294	0.285	10.12
40)		2-Chloroethylvinyl	0.086	0.089	0.093	0.097	0.103	0.102	0.099	8.10
41)		cis-1,3-Dichloropro	0.321	0.314	0.314	0.316	0.362	0.370	0.353	10.02
42)	CPM	Toluene	0.652	0.631	0.651	0.650	0.683	0.669	0.649	3.99
43)		4-Methyl-2-pentanon		0.123	0.116	0.117	0.115	0.117	0.118	4.77

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

7/19/12

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:27:43 2012
Response via : Continuing Calibration

Calibration Files
0.25 =K0440.D 0.50 =K0441.D 1.0 =K0442.D
2.0 =K0443.D 10 =K0444.D 20 =K0446.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
44)		trans-1,3-Dichlorop	0.195	0.214	0.208	0.223	0.270	0.281	0.264	19.54
45)		1,1,2-Trichloroetha	0.106	0.122	0.120	0.130	0.140	0.140	0.133	10.89
46)		2-Hexanone	0.085	0.082	0.073	0.072	0.073	0.074	0.076	7.31
47)	I	Chlorobenzene-d5	----------ISTD----------							
48)	S	Toluene-d8	2.551	2.303	2.260	2.227	2.193	2.060	2.183	8.26
49)		Tetrachloroethene	0.541	0.500	0.509	0.519	0.530	0.511	0.528	5.76
50)		Dibromochloromethan	0.246	0.248	0.258	0.268	0.310	0.315	0.311	18.13
51)		1,3-Dichloropropane	0.701	0.694	0.675	0.697	0.686	0.659	0.682	4.45
52)		1,2-Dibromoethane	0.263	0.294	0.300	0.311	0.325	0.314	0.314	8.82
53)		1-Chlorohexane	0.907	0.798	0.829	0.776	0.804	0.756	0.797	6.73
54)	PM	Chlorobenzene	1.671	1.637	1.631	1.614	1.599	1.506	1.538	8.80
55)	CP	Ethylbenzene	3.084	2.778	2.812	2.782	2.708	2.565	2.697	7.36
56)		1,1,1,2-Tetrachloro	0.345	0.339	0.358	0.364	0.416	0.413	0.389	9.94
57)		(m+p)-Xylene	0.993	0.939	0.964	0.941	0.939	0.904	0.917	7.63
58)		o-Xylene	0.902	0.913	0.894	0.923	0.922	0.898	0.918	4.92
59)		Styrene	1.409	1.370	1.416	1.425	1.474	1.429	1.411	4.84
60)	P	Bromoform		0.073	0.088	0.089	0.111	0.117	0.111	23.61
61)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
62)		Isopropylbenzene	4.878	4.362	4.380	4.360	4.523	4.221	4.227	8.95
63)	S	Bromofluorobenzene	0.970	0.898	0.915	0.884	0.919	0.869	0.882	5.87
64)		Bromobenzene	0.965	0.939	1.007	1.005	1.060	1.001	0.972	5.88
65)		n-Propylbenzene	5.396	4.861	4.777	4.838	5.092	4.819	4.759	7.64
66)	P	1,1,2,2-Tetrachloro	0.677	0.683	0.684	0.709	0.722	0.685	0.672	5.96
67)		2-Chlorotoluene	3.515	3.226	3.250	3.254	3.298	3.138	3.089	11.42
68)		1,3,5-Trimethylbenz	2.776	2.524	2.547	2.496	2.671	2.631	2.601	4.49
69)		1,2,3-Trichloroprop	0.154	0.119	0.160	0.172	0.193	0.181	0.162	14.98
70)		trans-1,4-Dichloro-			0.033	0.039	0.062	0.064	0.061	26.55
71)		4-Chlorotoluene	3.292	3.019	2.976	2.975	3.105	2.944	2.945	6.59
72)		tert-Butylbenzene	2.826	2.518	2.504	2.521	2.649	2.520	2.512	6.34
73)		1,2,4-Trimethylbenz	2.276	2.107	2.091	2.073	2.286	2.280	2.209	5.05
74)		sec-Butylbenzene	4.113	3.642	3.572	3.639	3.911	3.716	3.658	6.66
75)		p-Isopropyltoluene	2.729	2.370	2.376	2.330	2.581	2.538	2.490	5.62
76)		1,3-Dichlorobenzene	1.720	1.683	1.627	1.656	1.727	1.670	1.662	3.76
77)		1,4-Dichlorobenzene	1.734	1.561	1.553	1.535	1.597	1.562	1.567	4.95
78)		n-Butylbenzene	2.227	1.912	1.867	1.855	2.139	2.134	2.045	7.11
79)		1,2-Dichlorobenzene	1.497	1.351	1.376	1.434	1.497	1.461	1.432	4.33
80)		1,2-Dibromo-3-chlor			0.036	0.066	0.065	0.065	0.064	18.23
81)		Hexachlorobutadiene	0.425	0.337	0.362	0.308	0.348	0.347	0.350	9.35
82)		1,2,4-Trichlorobenz	0.336	0.398	0.381	0.407	0.456	0.486	0.445	14.13
83)		Naphthalene		0.469	0.486	0.498	0.554	0.604	0.574	13.96
84)		1,2,3-Trichlorobenz	0.254	0.261	0.311	0.295	0.340	0.361	0.330	15.09

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

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrate
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:29:23 2012
Response via : Continuing Calibration

Calibration Files
30 =K0447.D 40 =K0448.D 60 =K0450.D
80 =K0452.D

		Compound	30	40	60	80
			ISTD			
1)	I	Fluorobenzene				
2)		Dichlorodifluoromet	0.369	0.351	0.311	0.354
3)	P	Chloromethane	0.392	0.389	0.340	0.375
4)	CP	Vinyl chloride	0.491	0.477	0.419	0.454
5)		Bromomethane	0.170	0.172	0.150	0.163
6)		Chloroethane	0.226	0.226	0.203	0.229
7)		Trichlorofluorometh	0.423	0.413	0.373	0.425
8)	CPM	1,1-Dichloroethene	0.234	0.234	0.213	0.244
9)		Carbon disulfide	0.890	0.887	0.793	0.879
10)		1,1,2-Trichloro-1,2	0.260	0.253	0.229	0.271
11)		Methyl iodide	0.300	0.313	0.288	0.337
12)		Acrolein	0.005	0.006		
13)		Methylene chloride	0.272	0.275	0.244	0.274
14)		Acetone	0.031	0.031	0.028	0.033
15)		tert-Butyl alcohol	0.007	0.007	0.006	0.007
16)		trans-1,2-Dichloroe	0.256	0.258	0.233	0.263
17)		Methyl acetate	0.121	0.124	0.113	0.120
18)		Methyl tert-Butyl e	0.496	0.508	0.465	0.538
19)	P	1,1-Dichloroethane	0.494	0.493	0.443	0.497
20)		Acrylonitrile	0.043	0.043	0.039	0.045
21)		Vinyl acetate	0.303	0.313	0.289	0.336
22)		cis-1,2-Dichloroeth	0.281	0.283	0.257	0.292
23)		2,2-Dichloropropane	0.399	0.401	0.358	0.412
24)		Bromochloromethane	0.102	0.106	0.097	0.116
25)		Cyclohexane	0.506	0.493	0.445	0.522
26)	CP	Chloroform	0.494	0.500	0.454	0.518
27)		Carbon tetrachlorid	0.291	0.298	0.271	0.316
28)		Tetrahydrofuran	0.034	0.034	0.032	0.037
29)		1,1,1-Trichloroetha	0.401	0.404	0.367	0.419
30)		2-Butanone	0.047	0.048	0.045	0.053
31)		1,1-Dichloropropene	0.394	0.393	0.356	0.406
32)	M	Benzene	1.099	1.101	0.984	1.100
33)	S	1,2-Dichloroethane-	0.257	0.261	0.239	0.274
34)		1,2-Dichloroethane	0.298	0.302	0.278	0.315
35)		Methylcyclohexane	0.451	0.439	0.400	0.481
36)	M	Trichloroethene	0.285	0.292	0.269	0.317
37)		Dibromomethane	0.113	0.117	0.107	0.125
38)	CP	1,2-Dichloropropane	0.270	0.275	0.251	0.287
39)		Bromodichloromethan	0.303	0.313	0.290	0.336
40)		2-Chloroethylvinyl	0.101	0.105	0.097	0.113
41)		cis-1,3-Dichloropro	0.377	0.388	0.357	0.413
42)	CPM	Toluene	0.661	0.666	0.590	0.632
43)		4-Methyl-2-pentanon	0.115	0.118	0.109	0.129

(#) = Out of Range ### Number of calibration levels exceeded for
K717VOCW.M Thu Jul 19 07:29:28 2012

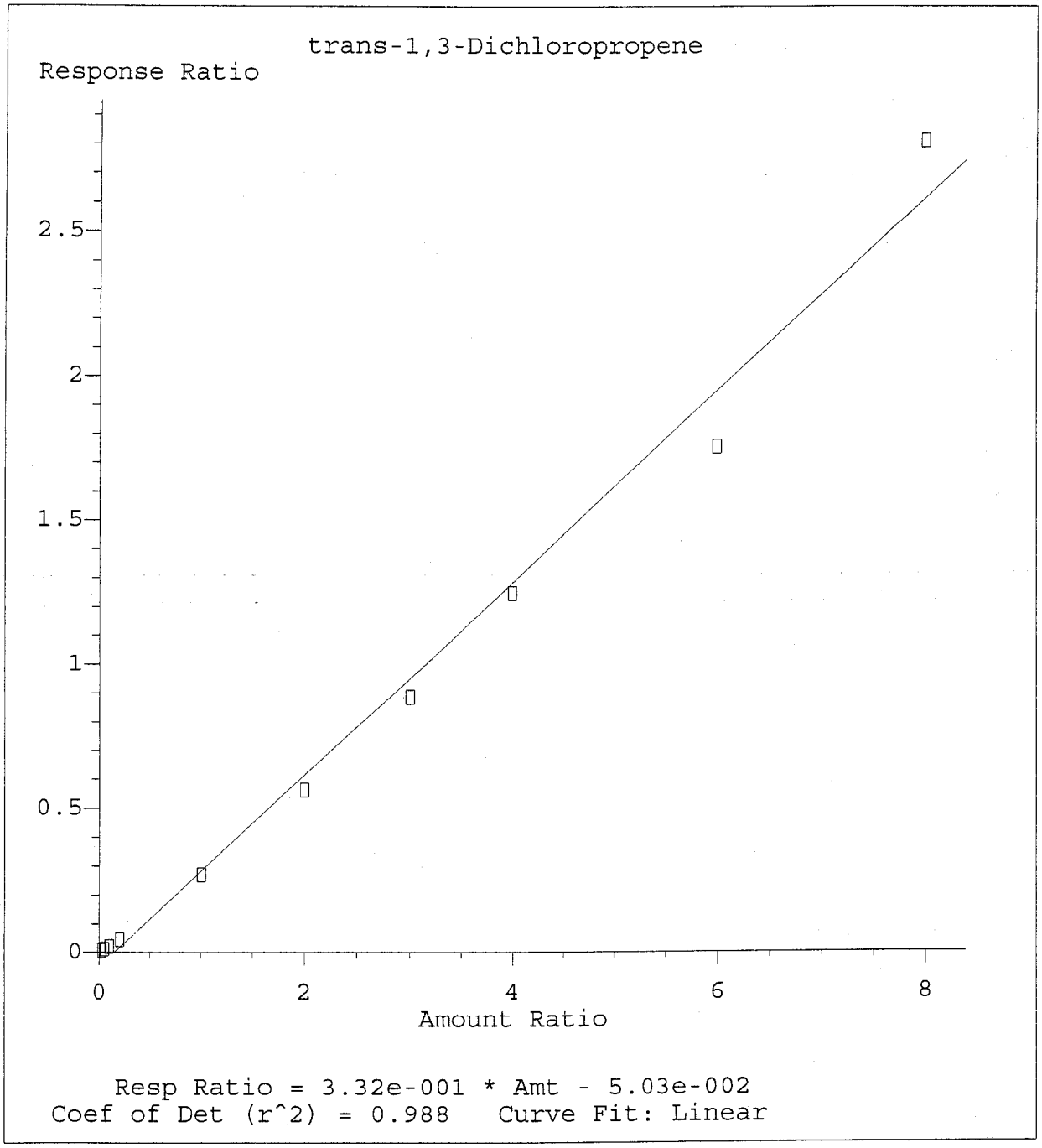
Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrat
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:29:23 2012
Response via : Continuing Calibration

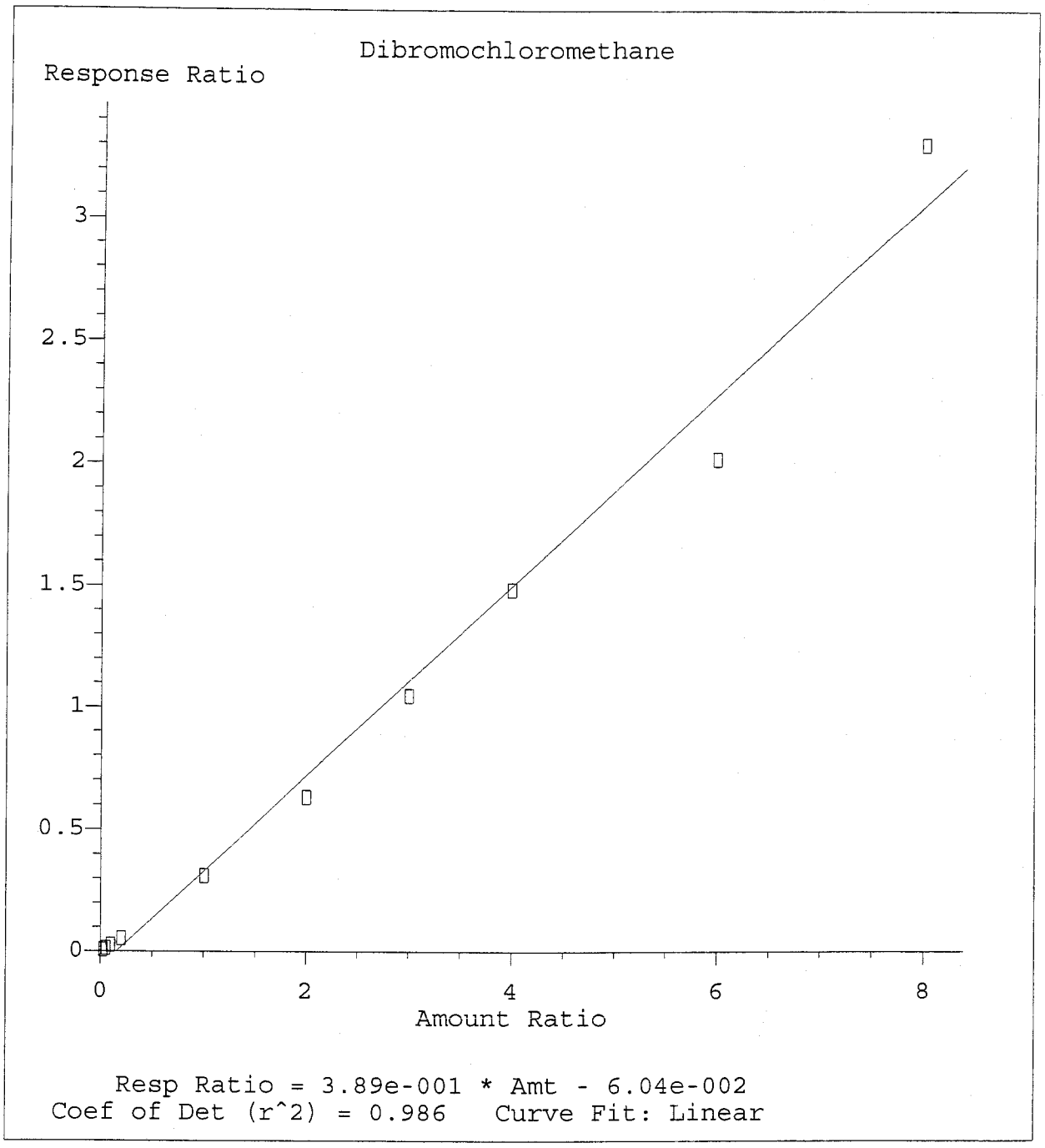
Calibration Files
30 =K0447.D 40 =K0448.D 60 =K0450.D
80 =K0452.D = =

		Compound	30	40	60	80
44)		trans-1,3-Dichlorop	0.295	0.311	0.292	0.351
45)		1,1,2-Trichloroetha	0.140	0.145	0.134	0.157
46)		2-Hexanone	0.074	0.076	0.070	0.084
47)	I	Chlorobenzene-d5	ISTD			
48)	S	Toluene-d8	2.126	2.135	1.848	2.132
49)		Tetrachloroethene	0.540	0.552	0.485	0.591
50)		Dibromochloromethan	0.348	0.370	0.335	0.412
51)		1,3-Dichloropropane	0.679	0.693	0.611	0.725
52)		1,2-Dibromoethane	0.330	0.341	0.299	0.363
53)		1-Chlorohexane	0.789	0.795	0.697	0.820
54)	PM	Chlorobenzene	1.555	1.578	1.296	1.297
55)	CP	Ethylbenzene	2.631	2.698	2.315	2.598
56)		1,1,1,2-Tetrachloro	0.437	0.451	0.381	0.386
57)		(m+p)-Xylene	0.938	0.961	0.772	0.813
58)		o-Xylene	0.920	0.961	0.835	1.009
59)		Styrene	1.465	1.513	1.292	1.320
60)	P	Bromoform	0.132	0.147	0.134	
61)	I	1,4-Dichlorobenzene-d	ISTD			
62)		Isopropylbenzene	4.189	4.066	3.554	3.741
63)	S	Bromofluorobenzene	0.885	0.866	0.776	0.837
64)		Bromobenzene	0.999	0.975	0.862	0.905
65)		n-Propylbenzene	4.758	4.641	4.097	4.311
66)	P	1,1,2,2-Tetrachloro	0.684	0.671	0.600	0.603
67)		2-Chlorotoluene	3.098	3.032	2.873	2.211
68)		1,3,5-Trimethylbenz	2.642	2.704	2.373	2.646
69)		1,2,3-Trichloroprop	0.184	0.175	0.153	0.127
70)		trans-1,4-Dichloro-	0.072	0.077	0.069	0.072
71)		4-Chlorotoluene	2.930	2.891	2.563	2.754
72)		tert-Butylbenzene	2.508	2.468	2.199	2.407
73)		1,2,4-Trimethylbenz	2.295	2.337	2.056	2.289
74)		sec-Butylbenzene	3.695	3.633	3.198	3.461
75)		p-Isopropyltoluene	2.554	2.570	2.291	2.564
76)		1,3-Dichlorobenzene	1.681	1.681	1.503	1.668
77)		1,4-Dichlorobenzene	1.567	1.568	1.412	1.578
78)		n-Butylbenzene	2.139	2.166	1.887	2.126
79)		1,2-Dichlorobenzene	1.463	1.465	1.318	1.461
80)		1,2-Dibromo-3-chlor	0.070	0.071	0.064	0.073
81)		Hexachlorobutadiene	0.352	0.354	0.307	0.354
82)		1,2,4-Trichlorobenz	0.484	0.517	0.453	0.532
83)		Naphthalene	0.612	0.669	0.580	0.696
84)		1,2,3-Trichlorobenz	0.360	0.387	0.336	0.400

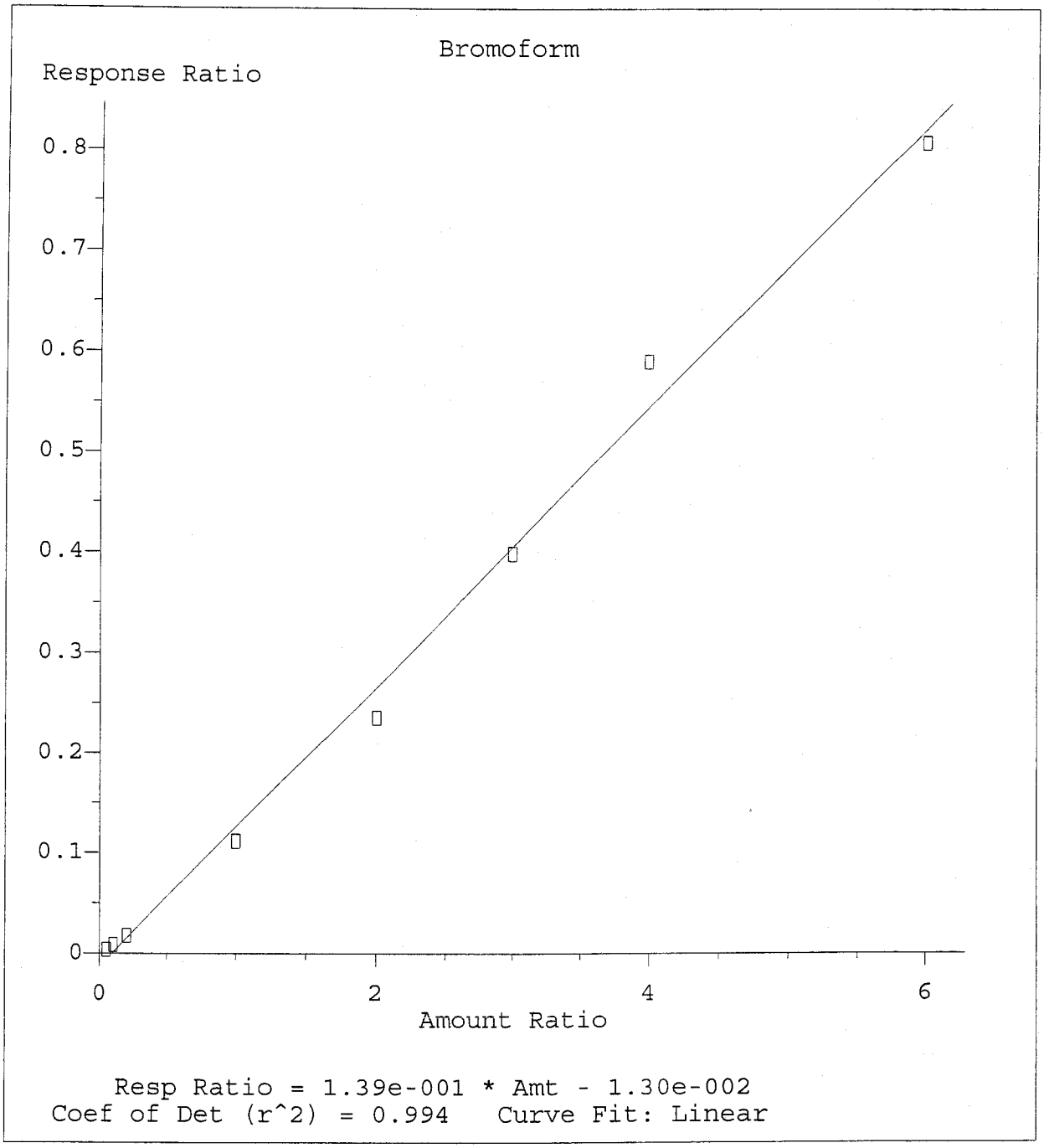
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K717VOCW.M Thu Jul 19 07:29:30 2012



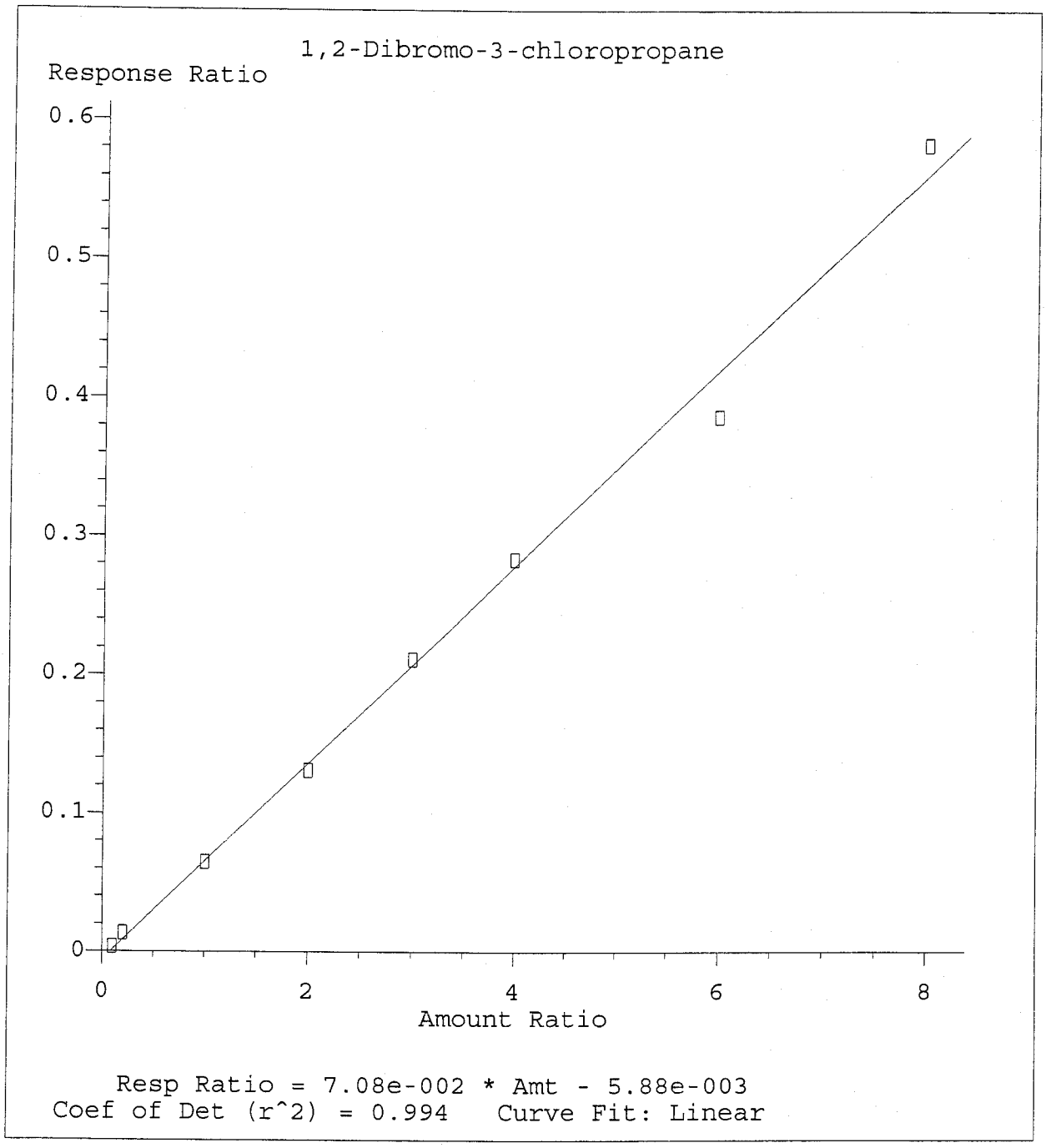
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Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



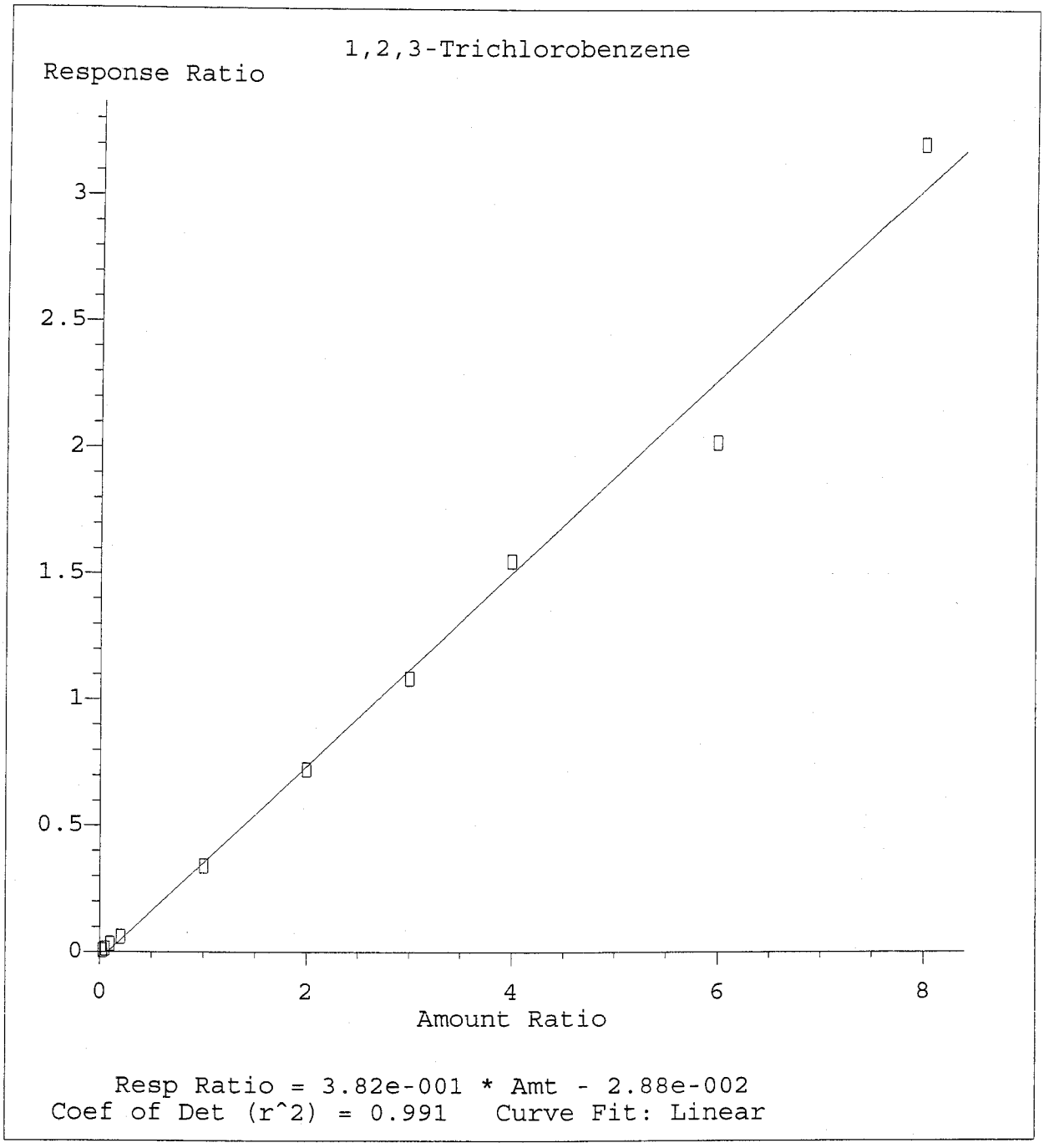
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Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24697
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MS04_73	**Initial Calibration ID:**	1853
Second Source ID:	2SRC-24697	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	17	-15.0	
1,1,1,2-Tetrachloroethane	10	9.08	-9.2	
1,1,1-Trichloroethane	10	8.84	-11.6	
1,1,2,2-Tetrachloroethane	10	9.63	-3.7	
1,1,2-Trichloroethane	10	9.31	-6.9	
1,1-Dichloroethane	10	9.23	-7.7	
1,1-Dichloroethene	10	8.76	-12.4	
1,1-Dichloropropene	10	8.14	-18.6	
1,2,3-Trichlorobenzene	10	9.3	-7.0	
1,2,3-Trichloropropane	10	9.52	-4.8	
1,2,4-Trichlorobenzene	10	9.15	-8.5	
1,2,4-Trimethylbenzene	10	9.02	-9.8	
1,2-Dibromo-3-chloropropane	10	9.56	-4.4	
1,2-Dibromoethane	10	8.39	-16.1	
1,2-Dichlorobenzene	10	9.34	-6.6	
1,2-Dichloroethane	10	8.89	-11.1	
1,2-Dichloropropane	10	9.08	-9.2	
1,3,5-Trimethylbenzene	10	9.02	-9.8	
1,3-Dichlorobenzene	10	9.1	-9.0	
1,3-Dichloropropane	10	8.95	-10.5	
1,4-Dichlorobenzene	10	9.21	-7.9	
1-Chlorohexane	10	8.5	-15.0	
2,2-Dichloropropane	10	9.22	-7.8	
2-Butanone	20	19.5	-2.7	
2-Chlorotoluene	10	9.23	-7.7	
4-Chlorotoluene	10	9.03	-9.7	
4-Methyl-2-pentanone	20	20.1	0.5	
Acetone	20	19.1	-4.4	
Benzene	10	8.56	-14.4	
Bromobenzene	10	9.2	-8.0	
Bromochloromethane	10	8.47	-15.3	
Bromodichloromethane	10	8.97	-10.3	
Bromoform	10	8.56	-14.4	
Bromomethane	10	10.1	0.9	
Carbon tetrachloride	10	8.68	-13.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24697
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MS04_73	**Initial Calibration ID:**	1853
Second Source ID:	2SRC-24697	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.02	-9.8	
Chloroethane	10	9.13	-8.7	
Chloroform	10	9.16	-8.4	
Chloromethane	10	8.45	-15.5	
cis-1,2-Dichloroethene	10	8.75	-12.5	
cis-1,3-Dichloropropene	10	8.87	-11.3	
Dibromochloromethane	10	8.8	-12.0	
Dibromomethane	10	8.68	-13.2	
Dichlorodifluoromethane	10	9.26	-7.4	
Ethylbenzene	10	8.38	-16.2	
Hexachlorobutadiene	10	9.17	-8.3	
Isopropylbenzene	10	9.3	-7.0	
Methyl tert-butyl ether	10	9.13	-8.7	
Methylene chloride	10	9.09	-9.1	
n-Butylbenzene	10	9.17	-8.3	
n-Propylbenzene	10	9.07	-9.3	
Naphthalene	10	9.48	-5.2	
o-Xylene	10	8.56	-14.4	
p-Isopropyltoluene	10	9.18	-8.2	
sec-Butylbenzene	10	9.12	-8.8	
Styrene	10	8.87	-11.3	
tert-Butylbenzene	10	9.27	-7.3	
Tetrachloroethene	10	7.91	-20.9	
Toluene	10	8.55	-14.5	
trans-1,2-Dichloroethene	10	8.26	-17.4	
trans-1,3-Dichloropropene	10	9.32	-6.8	
Trichloroethene	10	8.4	-16.0	
Trichlorofluoromethane	10	9.56	-4.4	
Vinyl chloride	10	10.8	7.9	
Xylenes (total)	30	25.6	-14.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24731
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1854
Second Source ID:	2SRC-24731	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	19.2	-3.9	
1,1,1,2-Tetrachloroethane	10	9.57	-4.3	
1,1,1-Trichloroethane	10	10	0.2	
1,1,2,2-Tetrachloroethane	10	9.68	-3.2	
1,1,2-Trichloroethane	10	9.69	-3.1	
1,1-Dichloroethane	10	10.2	2.1	
1,1-Dichloroethene	10	10.5	5.2	
1,1-Dichloropropene	10	10	0.5	
1,2,3-Trichlorobenzene	10	10	0	
1,2,3-Trichloropropane	10	9.79	-2.1	
1,2,4-Trichlorobenzene	10	9.93	-0.7	
1,2,4-Trimethylbenzene	10	9.85	-1.5	
1,2-Dibromo-3-chloropropane	10	9.58	-4.2	
1,2-Dibromoethane	10	9.51	-4.9	
1,2-Dichlorobenzene	10	9.56	-4.4	
1,2-Dichloroethane	10	9.94	-0.6	
1,2-Dichloropropane	10	9.82	-1.8	
1,3,5-Trimethylbenzene	10	9.73	-2.7	
1,3-Dichlorobenzene	10	9.66	-3.4	
1,3-Dichloropropane	10	9.71	-2.9	
1,4-Dichlorobenzene	10	9.71	-2.9	
1-Chlorohexane	10	9.91	-0.9	
2,2-Dichloropropane	10	10	0.5	
2-Butanone	20	20.7	3.4	
2-Chlorotoluene	10	9.69	-3.1	
4-Chlorotoluene	10	9.45	-5.5	
4-Methyl-2-pentanone	20	20.2	1.2	
Acetone	20	20.5	2.6	
Benzene	10	10.1	0.6	
Bromobenzene	10	9.63	-3.7	
Bromochloromethane	10	9.95	-0.5	
Bromodichloromethane	10	9.57	-4.3	
Bromoform	10	9.42	-5.8	
Bromomethane	10	9.22	-7.8	
Carbon tetrachloride	10	9.8	-2.0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24731
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1854
Second Source ID:	2SRC-24731	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.83	-1.7	
Chloroethane	10	10.1	0.9	
Chloroform	10	9.86	-1.4	
Chloromethane	10	9.17	-8.3	
cis-1,2-Dichloroethene	10	9.94	-0.6	
cis-1,3-Dichloropropene	10	9.81	-1.9	
Dibromochloromethane	10	9.49	-5.1	
Dibromomethane	10	9.82	-1.8	
Dichlorodifluoromethane	10	7.92	-20.8	
Ethylbenzene	10	10	0.2	
Hexachlorobutadiene	10	9.86	-1.4	
Isopropylbenzene	10	9.84	-1.6	
Methyl tert-butyl ether	10	9.72	-2.8	
Methylene chloride	10	9.77	-2.3	
n-Butylbenzene	10	9.81	-1.9	
n-Propylbenzene	10	9.65	-3.5	
Naphthalene	10	10.2	1.7	
o-Xylene	10	9.59	-4.1	
p-Isopropyltoluene	10	9.81	-1.9	
sec-Butylbenzene	10	9.6	-4.0	
Styrene	10	9.6	-4.0	
tert-Butylbenzene	10	9.68	-3.2	
Tetrachloroethene	10	9.89	-1.1	
Toluene	10	9.86	-1.4	
trans-1,2-Dichloroethene	10	10.3	3.2	
trans-1,3-Dichloropropene	10	9.57	-4.3	
Trichloroethene	10	9.93	-0.7	
Trichlorofluoromethane	10	9.61	-3.9	
Vinyl chloride	10	9.53	-4.7	
Xylenes (total)	30	28.8	-3.9	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120927A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24699 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
1,1,2,2-Tetrachloroethane *			0.551	-8.7			
1,1-Dichloroethane *			0.434	2.4			
Bromoform *			0.138	-13.7			
Chlorobenzene *			1.86	1.4			
Chloromethane *			0.43	6.4			
1,1-Dichloroethene #				5.9			
1,2-Dichloropropane #				-4.3			
Chloroform #				4.9			
Ethylbenzene #				-3.4			
Toluene #				1.6			
Vinyl chloride #				12.2			
(m+p)-Xylene				3.7			
1,1,1,2-Tetrachloroethane				9.3			
1,1,1-Trichloroethane				9.6			
1,1,2-Trichloroethane				1.0			
1,1-Dichloropropene				0.8			
1,2,3-Trichlorobenzene				-1.1			
1,2,3-Trichloropropane				-3.3			
1,2,4-Trichlorobenzene				-1.2			
1,2,4-Trimethylbenzene				-0.8			
1,2-Dibromo-3-chloropropane				-21.7			*
1,2-Dibromoethane				2.0			
1,2-Dichlorobenzene				0.4			
1,2-Dichloroethane				7.1			
1,2-Dichloroethane-d4				2.8			
1,3,5-Trimethylbenzene				-2.0			
1,3-Dichlorobenzene				-2.2			
1,3-Dichloropropane				0.9			
1,4-Dichlorobenzene				-4.5			
1-Chlorohexane				2.1			
2,2-Dichloropropane				1.3			
2-Butanone				3.9			
2-Chlorotoluene				-4.9			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120927A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24699 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
4-Bromofluorobenzene				-15.1			
4-Chlorotoluene				-1.8			
4-Methyl-2-pentanone				-2.1			
Acetone				-4.5			
Benzene				0.6			
Bromobenzene				-3.4			
Bromochloromethane				8.1			
Bromodichloromethane				1.8			
Bromomethane				26.6			*
Carbon tetrachloride				1.6			
Chloroethane				-0.3			
cis-1,2-Dichloroethene				3.2			
cis-1,3-Dichloropropene				-14.5			
Dibromochloromethane				-0.5			
Dibromomethane				2.9			
Dichlorodifluoromethane				33.7			*
Hexachlorobutadiene				10.8			
Isopropylbenzene				-2.7			
Methyl tert-butyl ether				-6.3			
Methylene chloride				1.9			
n-Butylbenzene				3.2			
n-Propylbenzene				-2.5			
Naphthalene				-3.6			
o-Xylene				1.9			
p-Isopropyltoluene				1.7			
sec-Butylbenzene				-1.8			
Styrene				7.4			
tert-Butylbenzene				-2.3			
Tetrachloroethene				6.1			
Toluene-d8				-4.8			
trans-1,2-Dichloroethene				2.4			
trans-1,3-Dichloropropene				-15.2			
Trichloroethene				2.0			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MS04_73_120927A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MS04_73 **Initial Calibration ID:** 1853

ICV ID: **CCV #1 ID:** CCV-24699 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Trichlorofluoromethane				18.6			
Xylenes (total)				3.1			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121101A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24734 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
1,1,2,2-Tetrachloroethane *			0.647	-3.7			
1,1-Dichloroethane *			0.516	5.0			
Bromoform *			0.152	18.9			
Chlorobenzene *			1.591	3.4			
Chloromethane *			0.428	2.8			
1,1-Dichloroethene #				11.0			
1,2-Dichloropropane #				-3.1			
Chloroform #				1.9			
Ethylbenzene #				9.7			
Toluene #				-0.7			
Vinyl chloride #				9.7			
(m+p)-Xylene				13.6			
1,1,1,2-Tetrachloroethane				15.9			
1,1,1-Trichloroethane				12.0			
1,1,2-Trichloroethane				-7.8			
1,1-Dichloropropene				6.4			
1,2,3-Trichlorobenzene				-1.0			
1,2,3-Trichloropropane				2.1			
1,2,4-Trichlorobenzene				3.1			
1,2,4-Trimethylbenzene				7.9			
1,2-Dibromo-3-chloropropane				15.8			
1,2-Dibromoethane				-1.9			
1,2-Dichlorobenzene				1.7			
1,2-Dichloroethane				-5.8			
1,2-Dichloroethane-d4				-6.0			
1,3,5-Trimethylbenzene				10.7			
1,3-Dichlorobenzene				5.1			
1,3-Dichloropropane				-4.2			
1,4-Dichlorobenzene				2.4			
1-Chlorohexane				11.0			
2,2-Dichloropropane				10.1			
2-Butanone				-12.2			
2-Chlorotoluene				22.7			*

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121101A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24734 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
4-Bromofluorobenzene				-2.0			
4-Chlorotoluene				11.6			
4-Methyl-2-pentanone				-16.7			
Acetone				-13.0			
Benzene				1.5			
Bromobenzene				-2.3			
Bromochloromethane				-8.0			
Bromodichloromethane				6.4			
Bromomethane				30.7			*
Carbon tetrachloride				23.5			*
Chloroethane				6.1			
cis-1,2-Dichloroethene				0.8			
cis-1,3-Dichloropropene				0.3			
Dibromochloromethane				12.6			
Dibromomethane				-5.9			
Dichlorodifluoromethane				18.1			
Hexachlorobutadiene				9.0			
Isopropylbenzene				14.9			
Methyl tert-butyl ether				-13.1			
Methylene chloride				-7.1			
n-Butylbenzene				18.5			
n-Propylbenzene				19.1			
Naphthalene				1.0			
o-Xylene				9.8			
p-Isopropyltoluene				16.1			
sec-Butylbenzene				21.1			*
Styrene				8.5			
tert-Butylbenzene				17.4			
Tetrachloroethene				9.3			
Toluene-d8				5.0			
trans-1,2-Dichloroethene				5.6			
trans-1,3-Dichloropropene				-4.0			
Trichloroethene				2.6			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121101A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24734 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Trichlorofluoromethane				19.9			
Xylenes (total)				12.3			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24699
Initial Calibration ID:	1853	**File ID:**	R1128.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24699
Initial Calibration ID:	1853	**File ID:**	R1128.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.160	1.00	U
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	92	76 - 119	
Toluene-d8	101	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24699
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24699
Initial Calibration ID:	1853	**File ID:**	R1128.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	505715	271303 - 1085212	
Chlorobenzene-d5	562843	315344 - 1261376	
Fluorobenzene	1422000	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24734
Initial Calibration ID:	1854	**File ID:**	K0565.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24734
Initial Calibration ID:	1854	**File ID:**	K0565.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.470	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	106	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24734
Initial Calibration ID:	1854	**File ID:**	K0565.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	262422	121878 - 487512	
Chlorobenzene-d5	544730	242134 - 968538	
Fluorobenzene	1405235	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24699 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1125.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.1	100	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.3	103	81 - 129	
1,1,1-Trichloroethane	10	10.7	107	67 - 132	
1,1,2,2-Tetrachloroethane	10	8.90	89	63 - 128	
1,1,2-Trichloroethane	10	9.91	99	75 - 125	
1,1-Dichloroethane	10	10.0	101	69 - 133	
1,1-Dichloroethene	10	10.8	108	68 - 130	
1,1-Dichloropropene	10	10.2	102	73 - 132	
1,2,3-Trichlorobenzene	10	9.93	99	67 - 137	
1,2,3-Trichloropropane	10	9.75	98	73 - 124	
1,2,4-Trichlorobenzene	10	9.77	98	66 - 134	
1,2,4-Trimethylbenzene	10	10.5	105	74 - 132	
1,2-Dibromo-3-chloropropane	10	7.92	79	50 - 132	
1,2-Dibromoethane	10	10.0	100	80 - 121	
1,2-Dichlorobenzene	10	9.91	99	71 - 122	
1,2-Dichloroethane	10	10.6	106	69 - 132	
1,2-Dichloropropane	10	9.59	96	75 - 125	
1,3,5-Trimethylbenzene	10	9.89	99	74 - 131	
1,3-Dichlorobenzene	10	9.66	97	75 - 124	
1,3-Dichloropropane	10	9.74	97	73 - 126	
1,4-Dichlorobenzene	10	9.80	98	74 - 123	
1-Chlorohexane	10	10.2	102	70 - 125	
2,2-Dichloropropane	10	9.13	91	69 - 137	
2-Butanone	20	18.9	95	49 - 136	
2-Chlorotoluene	10	9.46	95	73 - 126	
4-Chlorotoluene	10	9.53	95	74 - 128	
4-Methyl-2-pentanone	20	19.1	95	58 - 134	
Acetone	20	20.2	101	40 - 135	
Benzene	10	10.1	101	81 - 122	
Bromobenzene	10	9.47	95	76 - 124	
Bromochloromethane	10	10.8	108	65 - 129	
Bromodichloromethane	10	9.69	97	76 - 121	
Bromoform	10	8.61	86	69 - 128	
Bromomethane	10	13.9	139	30 - 141	
Carbon tetrachloride	10	9.73	97	66 - 138	
Chlorobenzene	10	9.67	97	81 - 122	
Chloroethane	10	9.85	98	58 - 133	
Chloroform	10	10.3	103	69 - 128	
Chloromethane	10	9.24	92	56 - 131	
cis-1,2-Dichloroethene	10	10.2	102	72 - 126	
cis-1,3-Dichloropropene	10	8.17	82	69 - 131	
Dibromochloromethane	10	9.64	96	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24699 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1125.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	10.1	101	76 - 125	
Dichlorodifluoromethane	10	12.3	123	30 - 153	
Ethylbenzene	10	9.97	100	73 - 127	
Hexachlorobutadiene	10	10.3	103	67 - 131	
Isopropylbenzene	10	10.6	106	75 - 127	
Methyl tert-butyl ether	10	8.95	90	65 - 123	
Methylene chloride	10	10.0	100	63 - 137	
n-Butylbenzene	10	10.4	104	69 - 137	
n-Propylbenzene	10	9.89	99	72 - 129	
Naphthalene	10	10.1	101	54 - 138	
o-Xylene	10	9.78	98	80 - 121	
p-Isopropyltoluene	10	10.3	103	73 - 130	
sec-Butylbenzene	10	9.57	96	72 - 127	
Styrene	10	7.72	77	65 - 134	
tert-Butylbenzene	10	9.68	97	70 - 129	
Tetrachloroethene	10	10.3	103	66 - 128	
Toluene	10	10.2	102	77 - 122	
trans-1,2-Dichloroethene	10	10.6	106	63 - 137	
trans-1,3-Dichloropropene	10	7.92	79	59 - 135	
Trichloroethene	10	10.1	101	70 - 127	
Trichlorofluoromethane	10	11.4	114	57 - 129	
Vinyl chloride	10	11.7	117	50 - 134	
Xylenes (total)	30	29.9	100	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	92	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	517094	271303 - 1085212	
Chlorobenzene-d5	582469	315344 - 1261376	
Fluorobenzene	1406815	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-24699 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1126.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.2	101	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.4	104	81 - 129	
1,1,1-Trichloroethane	10	10.5	105	67 - 132	
1,1,2,2-Tetrachloroethane	10	8.79	88	63 - 128	
1,1,2-Trichloroethane	10	9.75	98	75 - 125	
1,1-Dichloroethane	10	10.0	101	69 - 133	
1,1-Dichloroethene	10	10.6	106	68 - 130	
1,1-Dichloropropene	10	10.1	101	73 - 132	
1,2,3-Trichlorobenzene	10	9.44	94	67 - 137	
1,2,3-Trichloropropane	10	9.35	94	73 - 124	
1,2,4-Trichlorobenzene	10	9.45	94	66 - 134	
1,2,4-Trimethylbenzene	10	10.5	105	74 - 132	
1,2-Dibromo-3-chloropropane	10	7.99	80	50 - 132	
1,2-Dibromoethane	10	10.0	100	80 - 121	
1,2-Dichlorobenzene	10	9.67	97	71 - 122	
1,2-Dichloroethane	10	10.4	104	69 - 132	
1,2-Dichloropropane	10	9.56	96	75 - 125	
1,3,5-Trimethylbenzene	10	9.86	99	74 - 131	
1,3-Dichlorobenzene	10	9.57	96	75 - 124	
1,3-Dichloropropane	10	9.64	96	73 - 126	
1,4-Dichlorobenzene	10	9.77	98	74 - 123	
1-Chlorohexane	10	10.3	103	70 - 125	
2,2-Dichloropropane	10	9.66	97	69 - 137	
2-Butanone	20	18.3	91	49 - 136	
2-Chlorotoluene	10	9.43	94	73 - 126	
4-Chlorotoluene	10	9.49	95	74 - 128	
4-Methyl-2-pentanone	20	18.0	90	58 - 134	
Acetone	20	19.0	95	40 - 135	
Benzene	10	9.92	99	81 - 122	
Bromobenzene	10	9.44	94	76 - 124	
Bromochloromethane	10	10.5	105	65 - 129	
Bromodichloromethane	10	9.61	96	76 - 121	
Bromoform	10	8.33	83	69 - 128	
Bromomethane	10	14.2	142	30 - 141	*
Carbon tetrachloride	10	9.94	99	66 - 138	
Chlorobenzene	10	9.63	96	81 - 122	
Chloroethane	10	9.76	98	58 - 133	
Chloroform	10	10.2	102	69 - 128	
Chloromethane	10	9.12	91	56 - 131	
cis-1,2-Dichloroethene	10	10.2	102	72 - 126	
cis-1,3-Dichloropropene	10	8.10	81	69 - 131	
Dibromochloromethane	10	9.41	94	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-24699 **Initial Calibration ID:** 1853

Concentration Units (mg/L or mg/kg): µg/L **File ID:** R1126.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	10.2	102	76 - 125	
Dichlorodifluoromethane	10	11.7	117	30 - 153	
Ethylbenzene	10	9.97	100	73 - 127	
Hexachlorobutadiene	10	10.4	104	67 - 131	
Isopropylbenzene	10	10.6	106	75 - 127	
Methyl tert-butyl ether	10	9.52	95	65 - 123	
Methylene chloride	10	9.80	98	63 - 137	
n-Butylbenzene	10	10.3	103	69 - 137	
n-Propylbenzene	10	9.86	99	72 - 129	
Naphthalene	10	9.73	97	54 - 138	
o-Xylene	10	9.82	98	80 - 121	
p-Isopropyltoluene	10	10.4	104	73 - 130	
sec-Butylbenzene	10	9.52	95	72 - 127	
Styrene	10	9.10	91	65 - 134	
tert-Butylbenzene	10	9.74	97	70 - 129	
Tetrachloroethene	10	10.4	104	66 - 128	
Toluene	10	10.0	100	77 - 122	
trans-1,2-Dichloroethene	10	10.6	106	63 - 137	
trans-1,3-Dichloropropene	10	8.02	80	59 - 135	
Trichloroethene	10	9.82	98	70 - 127	
Trichlorofluoromethane	10	11.4	114	57 - 129	
Vinyl chloride	10	11.4	114	50 - 134	
Xylenes (total)	30	30.1	100	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	91	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	529201	271303 - 1085212	
Chlorobenzene-d5	593773	315344 - 1261376	
Fluorobenzene	1442692	785144 - 3140578	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24734 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0561.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.1	101	76 - 128	
1,1,1,2-Tetrachloroethane	10	11.2	112	81 - 129	
1,1,1-Trichloroethane	10	10.2	102	67 - 132	
1,1,2,2-Tetrachloroethane	10	9.60	96	63 - 128	
1,1,2-Trichloroethane	10	9.58	96	75 - 125	
1,1-Dichloroethane	10	10.1	101	69 - 133	
1,1-Dichloroethene	10	10.1	101	68 - 130	
1,1-Dichloropropene	10	9.84	98	73 - 132	
1,2,3-Trichlorobenzene	10	9.31	93	67 - 137	
1,2,3-Trichloropropane	10	10.1	101	73 - 124	
1,2,4-Trichlorobenzene	10	9.14	91	66 - 134	
1,2,4-Trimethylbenzene	10	10.4	104	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.8	118	50 - 132	
1,2-Dibromoethane	10	9.92	99	80 - 121	
1,2-Dichlorobenzene	10	9.66	97	71 - 122	
1,2-Dichloroethane	10	9.65	97	69 - 132	
1,2-Dichloropropane	10	9.50	95	75 - 125	
1,3,5-Trimethylbenzene	10	9.94	99	74 - 131	
1,3-Dichlorobenzene	10	9.81	98	75 - 124	
1,3-Dichloropropane	10	9.55	96	73 - 126	
1,4-Dichlorobenzene	10	9.86	99	74 - 123	
1-Chlorohexane	10	10.1	101	70 - 125	
2,2-Dichloropropane	10	9.96	100	69 - 137	
2-Butanone	20	17.3	86	49 - 136	
2-Chlorotoluene	10	11.2	112	73 - 126	
4-Chlorotoluene	10	9.89	99	74 - 128	
4-Methyl-2-pentanone	20	16.8	84	58 - 134	
Acetone	20	16.9	84	40 - 135	
Benzene	10	9.75	98	81 - 122	
Bromobenzene	10	9.47	95	76 - 124	
Bromochloromethane	10	9.32	93	65 - 129	
Bromodichloromethane	10	10.7	107	76 - 121	
Bromoform	10	12.0	120	69 - 128	
Bromomethane	10	8.64	86	30 - 141	
Carbon tetrachloride	10	11.3	113	66 - 138	
Chlorobenzene	10	9.67	97	81 - 122	
Chloroethane	10	9.20	92	58 - 133	
Chloroform	10	9.84	98	69 - 128	
Chloromethane	10	8.77	88	56 - 131	
cis-1,2-Dichloroethene	10	9.81	98	72 - 126	
cis-1,3-Dichloropropene	10	9.86	99	69 - 131	
Dibromochloromethane	10	11.0	110	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24734 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0561.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.71	97	76 - 125	
Dichlorodifluoromethane	10	9.59	96	30 - 153	
Ethylbenzene	10	10.4	104	73 - 127	
Hexachlorobutadiene	10	9.02	90	67 - 131	
Isopropylbenzene	10	11.1	111	75 - 127	
Methyl tert-butyl ether	10	9.29	93	65 - 123	
Methylene chloride	10	9.25	92	63 - 137	
n-Butylbenzene	10	10.3	103	69 - 137	
n-Propylbenzene	10	10.6	106	72 - 129	
Naphthalene	10	9.29	93	54 - 138	
o-Xylene	10	9.86	99	80 - 121	
p-Isopropyltoluene	10	10.2	102	73 - 130	
sec-Butylbenzene	10	10.3	103	72 - 127	
Styrene	10	9.47	95	65 - 134	
tert-Butylbenzene	10	10.3	103	70 - 129	
Tetrachloroethene	10	9.77	98	66 - 128	
Toluene	10	9.56	96	77 - 122	
trans-1,2-Dichloroethene	10	10.0	100	63 - 137	
trans-1,3-Dichloropropene	10	9.64	96	59 - 135	
Trichloroethene	10	9.46	95	70 - 127	
Trichlorofluoromethane	10	10.2	102	57 - 129	
Vinyl chloride	10	10.6	106	50 - 134	
Xylenes (total)	30	30.0	100	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	99	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	290213	121878 - 487512	
Chlorobenzene-d5	559015	242134 - 968538	
Fluorobenzene	1367942	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: 782VM105B36KB **MS ID:** K1209284-003CMS **MSD ID:** K1209284-003CMSD

Calibration ID: 1854

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	20.1	100	20.6	103	2	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	11.2	112	11.0	110	2	81 - 129	20	
1,1,1-Trichloroethane		10.0	10.3	103	10.8	108	5	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	9.60	96	10.2	102	6	63 - 128	20	
1,1,2-Trichloroethane		10.0	9.92	99	9.79	98	1	75 - 125	20	
1,1-Dichloroethane		10.0	10.2	102	9.90	99	3	69 - 133	20	
1,1-Dichloroethene		10.0	10.2	102	10.7	107	5	68 - 130	20	
1,1-Dichloropropene		10.0	9.95	100	10.5	105	5	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	9.43	94	9.21	92	2	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.5	105	11.0	110	5	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	9.68	97	9.22	92	5	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	10.4	104	10.4	104	0	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	11.4	114	12.2	122	6	50 - 132	20	
1,2-Dibromoethane		10.0	10.0	100	10.3	103	3	80 - 121	20	
1,2-Dichlorobenzene		10.0	9.79	98	9.62	96	2	71 - 122	20	
1,2-Dichloroethane		10.0	9.87	99	9.58	96	3	69 - 132	20	
1,2-Dichloropropane		10.0	9.61	96	9.11	91	5	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.88	99	10.1	101	2	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.88	99	9.78	98	1	75 - 124	20	
1,3-Dichloropropane		10.0	9.65	97	9.90	99	3	73 - 126	20	
1,4-Dichlorobenzene		10.0	10.1	101	9.80	98	3	74 - 123	20	
1-Chlorohexane		10.0	10.2	102	11.1	111	9	70 - 125	20	
2,2-Dichloropropane		10.0	10.2	102	10.5	105	3	69 - 137	20	
2-Butanone		20.0	18.2	91	17.5	87	4	49 - 136	20	
2-Chlorotoluene		10.0	11.2	112	11.3	113	1	73 - 126	20	
4-Chlorotoluene		10.0	9.82	98	9.74	97	1	74 - 128	20	
4-Methyl-2-pentanone		20.0	17.2	86	17.3	86	1	58 - 134	20	
Acetone	1.66	20.0	16.9	76	17.0	76	0	40 - 135	20	
Benzene		10.0	9.82	98	9.67	97	2	81 - 122	20	
Bromobenzene		10.0	9.51	95	9.39	94	1	76 - 124	20	
Bromochloromethane		10.0	9.56	96	8.98	90	6	65 - 129	20	
Bromodichloromethane		10.0	10.9	109	10.2	103	6	76 - 121	20	
Bromoform		10.0	12.0	120	12.2	122	2	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: 782VM105B36KB **MS ID:** K1209284-003CMS **MSD ID:** K1209284-003CMSD

Calibration ID: 1854

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	8.52	85	7.28	73	16	30 - 141	20	
Carbon tetrachloride		10.0	11.2	112	11.8	118	5	66 - 138	20	
Chlorobenzene		10.0	9.68	97	9.66	97	0	81 - 122	20	
Chloroethane		10.0	9.15	92	9.40	94	3	58 - 133	20	
Chloroform		10.0	9.98	100	9.63	96	4	69 - 128	20	
Chloromethane		10.0	8.86	89	8.86	89	0	56 - 131	20	
cis-1,2-Dichloroethene	1.96	10.0	12.0	100	11.4	95	5	72 - 126	20	
cis-1,3-Dichloropropene		10.0	9.82	98	9.36	94	5	69 - 131	20	
Dibromochloromethane		10.0	11.1	111	11.1	111	0	66 - 133	20	
Dibromomethane		10.0	9.99	100	9.78	98	2	76 - 125	20	
Dichlorodifluoromethane		10.0	9.64	96	10.4	104	8	30 - 153	20	
Ethylbenzene		10.0	10.3	103	10.7	107	4	73 - 127	20	
Hexachlorobutadiene		10.0	9.56	96	10.1	101	5	67 - 131	20	
Isopropylbenzene		10.0	11.0	110	11.7	117	6	75 - 127	20	
Methyl tert-butyl ether		10.0	9.64	96	9.50	95	1	65 - 123	20	
Methylene chloride	0.180	10.0	8.97	88	8.43	82	6	63 - 137	20	
n-Butylbenzene		10.0	10.4	104	10.9	109	5	69 - 137	20	
n-Propylbenzene		10.0	10.4	104	11.0	110	5	72 - 129	20	
Naphthalene		10.0	9.65	97	9.56	96	1	54 - 138	20	
o-Xylene		10.0	9.78	98	9.74	97	0	80 - 121	20	
p-Isopropyltoluene		10.0	10.2	102	10.7	107	4	73 - 130	20	
sec-Butylbenzene		10.0	10.4	104	11.0	110	6	72 - 127	20	
Styrene		10.0	10.1	101	9.81	98	3	65 - 134	20	
tert-Butylbenzene		10.0	10.2	102	10.8	108	6	70 - 129	20	
Tetrachloroethene	0.320	10.0	10.1	98	10.9	106	8	66 - 128	20	
Toluene		10.0	9.60	96	9.53	95	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	10.2	102	10.3	103	1	63 - 137	20	
trans-1,3-Dichloropropene		10.0	9.79	98	9.53	95	3	59 - 135	20	
Trichloroethene	22.3	10.0	31.1	88	32.1	98	3	70 - 127	20	
Trichlorofluoromethane		10.0	10.2	102	10.9	109	7	57 - 129	20	
Vinyl chloride		10.0	10.7	107	11.2	112	5	50 - 134	20	
Xylenes (total)		30.0	29.9	100	30.3	101	1	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-24699 **MS ID:** LCS-24699 **MSD ID:** LCSD-24699

Calibration ID: 1853

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	20.1	100	20.2	101	1	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	10.3	103	10.4	104	1	81 - 129	20	
1,1,1-Trichloroethane		10.0	10.7	107	10.5	105	2	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	8.90	89	8.79	88	1	63 - 128	20	
1,1,2-Trichloroethane		10.0	9.91	99	9.75	98	2	75 - 125	20	
1,1-Dichloroethane		10.0	10.0	101	10.0	101	0	69 - 133	20	
1,1-Dichloroethene		10.0	10.8	108	10.6	106	2	68 - 130	20	
1,1-Dichloropropene		10.0	10.2	102	10.1	101	1	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	9.93	99	9.44	94	5	67 - 137	20	
1,2,3-Trichloropropane		10.0	9.75	98	9.35	94	4	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	9.77	98	9.45	94	3	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	10.5	105	10.5	105	0	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	7.92	79	7.99	80	1	50 - 132	20	
1,2-Dibromoethane		10.0	10.0	100	10.0	100	0	80 - 121	20	
1,2-Dichlorobenzene		10.0	9.91	99	9.67	97	2	71 - 122	20	
1,2-Dichloroethane		10.0	10.6	106	10.4	104	2	69 - 132	20	
1,2-Dichloropropane		10.0	9.59	96	9.56	96	0	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.89	99	9.86	99	0	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.66	97	9.57	96	1	75 - 124	20	
1,3-Dichloropropane		10.0	9.74	97	9.64	96	1	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.80	98	9.77	98	0	74 - 123	20	
1-Chlorohexane		10.0	10.2	102	10.3	103	1	70 - 125	20	
2,2-Dichloropropane		10.0	9.13	91	9.66	97	6	69 - 137	20	
2-Butanone		20.0	18.9	95	18.3	91	3	49 - 136	20	
2-Chlorotoluene		10.0	9.46	95	9.43	94	0	73 - 126	20	
4-Chlorotoluene		10.0	9.53	95	9.49	95	0	74 - 128	20	
4-Methyl-2-pentanone		20.0	19.1	95	18.0	90	6	58 - 134	20	
Acetone		20.0	20.2	101	19.0	95	6	40 - 135	20	
Benzene		10.0	10.1	101	9.92	99	2	81 - 122	20	
Bromobenzene		10.0	9.47	95	9.44	94	0	76 - 124	20	
Bromochloromethane		10.0	10.8	108	10.5	105	3	65 - 129	20	
Bromodichloromethane		10.0	9.69	97	9.61	96	1	76 - 121	20	
Bromoform		10.0	8.61	86	8.33	83	3	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-24699 **MS ID:** LCS-24699 **MSD ID:** LCSD-24699

Calibration ID: 1853

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	13.9	139	14.2	142	2	30 - 141	20	*
Carbon tetrachloride		10.0	9.73	97	9.94	99	2	66 - 138	20	
Chlorobenzene		10.0	9.67	97	9.63	96	0	81 - 122	20	
Chloroethane		10.0	9.85	98	9.76	98	1	58 - 133	20	
Chloroform		10.0	10.3	103	10.2	102	1	69 - 128	20	
Chloromethane		10.0	9.24	92	9.12	91	1	56 - 131	20	
cis-1,2-Dichloroethene		10.0	10.2	102	10.2	102	0	72 - 126	20	
cis-1,3-Dichloropropene		10.0	8.17	82	8.10	81	1	69 - 131	20	
Dibromochloromethane		10.0	9.64	96	9.41	94	2	66 - 133	20	
Dibromomethane		10.0	10.1	101	10.2	102	1	76 - 125	20	
Dichlorodifluoromethane		10.0	12.3	123	11.7	117	5	30 - 153	20	
Ethylbenzene		10.0	9.97	100	9.97	100	0	73 - 127	20	
Hexachlorobutadiene		10.0	10.3	103	10.4	104	1	67 - 131	20	
Isopropylbenzene		10.0	10.6	106	10.6	106	0	75 - 127	20	
Methyl tert-butyl ether		10.0	8.95	90	9.52	95	6	65 - 123	20	
Methylene chloride		10.0	10.0	100	9.80	98	2	63 - 137	20	
n-Butylbenzene		10.0	10.4	104	10.3	103	1	69 - 137	20	
n-Propylbenzene		10.0	9.89	99	9.86	99	0	72 - 129	20	
Naphthalene		10.0	10.1	101	9.73	97	4	54 - 138	20	
o-Xylene		10.0	9.78	98	9.82	98	0	80 - 121	20	
p-Isopropyltoluene		10.0	10.3	103	10.4	104	1	73 - 130	20	
sec-Butylbenzene		10.0	9.57	96	9.52	95	1	72 - 127	20	
Styrene		10.0	7.72	77	9.10	91	16	65 - 134	20	
tert-Butylbenzene		10.0	9.68	97	9.74	97	1	70 - 129	20	
Tetrachloroethene		10.0	10.3	103	10.4	104	1	66 - 128	20	
Toluene		10.0	10.2	102	10.0	100	2	77 - 122	20	
trans-1,2-Dichloroethene		10.0	10.6	106	10.6	106	0	63 - 137	20	
trans-1,3-Dichloropropene		10.0	7.92	79	8.02	80	1	59 - 135	20	
Trichloroethene		10.0	10.1	101	9.82	98	2	70 - 127	20	
Trichlorofluoromethane		10.0	11.4	114	11.4	114	0	57 - 129	20	
Vinyl chloride		10.0	11.7	117	11.4	114	2	50 - 134	20	
Xylenes (total)		30.0	29.9	100	30.1	100	1	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R24699

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
AP2M0327KA	K1209275-001C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	1.9	
782VM7638KA	K1209275-002C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2	
782VM7840KA	K1209275-003C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.2	
782VM8146KA	K1209275-004C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.2	
782VM8440KA	K1209275-005C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.2	
782VM84D50KA	K1209275-006C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.1	
782VM9637KA	K1209275-007C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.1	
782VM10025KA	K1209275-008C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.1	
782M1027KA	K1209275-009C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.1	
092512KE	K1209275-010C	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.4	
092512KF	K1209275-011A	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.3	
092512KR	K1209275-012A	25-Sep-12	26-Sep-12	27-Sep-12			27-Sep-12	14	2.5	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
782VM10118KA	K1209284-001C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.3	
782VM10118KC	K1209284-002C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.3	
782VM105B36KB	K1209284-003C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.2	
782VM105B36KB	K1209284-003CMS	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6	
782VM105B36KB	K1209284-003CMSD	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.1	
782VM105B36KC	K1209284-004C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.2	
782VM12116KA	K1209284-005C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.3	
782VM121D26KA	K1209284-006C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.4	
782SW11501KA	K1209284-007C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.5	
782SW11801KA	K1209284-008C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.5	
782SW11901KA	K1209284-009C	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.5	
092612KF	K1209284-010A	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.4	
092612KR	K1209284-011A	26-Sep-12	27-Sep-12	02-Oct-12			02-Oct-12	14	6.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MS04_73 **Calibration ID:** 1853

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB120919A4	TB120919A4	10-Sep-12	9:53	10-Sep-12	10:34
ICAL 0.25 ppb	ICAL 0.25 ppb	10-Sep-12	10:34	10-Sep-12	11:06
ICAL 0.50 ppb	ICAL 0.50 ppb	10-Sep-12	11:06	10-Sep-12	11:38
ICAL 1.0 ppb	ICAL 1.0 ppb	10-Sep-12	11:38	10-Sep-12	12:41
ICAL 10 ppb	ICAL 10 ppb	10-Sep-12	12:41	10-Sep-12	13:13
ICAL 2.0 ppb	ICAL 2.0 ppb	10-Sep-12	13:13	10-Sep-12	13:45
2SRC-24697	2SRC-24697	10-Sep-12	13:45	10-Sep-12	14:17
ICAL 20 ppb	ICAL 20 ppb	10-Sep-12	14:17	10-Sep-12	14:48
ICAL 30 ppb	ICAL 30 ppb	10-Sep-12	14:48	10-Sep-12	15:20
ICAL 40 ppb	ICAL 40 ppb	10-Sep-12	15:20	10-Sep-12	16:24
ICAL 60 ppb	ICAL 60 ppb	10-Sep-12	16:24	10-Sep-12	16:24
TB120927A4	TB120927A4	27-Sep-12	9:42	27-Sep-12	10:14
CCV-24699	CCV-24699	27-Sep-12	9:42	27-Sep-12	10:14
LCS-24699	LCS-24699	27-Sep-12	10:14	27-Sep-12	10:46
LCSD-24699	LCSD-24699	27-Sep-12	10:46	27-Sep-12	11:50
MB-24699	MB-24699	27-Sep-12	11:50	27-Sep-12	14:02
AP2M0327KA	K1209275-001C	27-Sep-12	14:02	27-Sep-12	14:34
782VM7638KA	K1209275-002C	27-Sep-12	14:34	27-Sep-12	15:05
782VM7840KA	K1209275-003C	27-Sep-12	15:05	27-Sep-12	15:37
782VM8146KA	K1209275-004C	27-Sep-12	15:37	27-Sep-12	16:09
782VM8440KA	K1209275-005C	27-Sep-12	16:09	27-Sep-12	16:41
782VM84D50KA	K1209275-006C	27-Sep-12	16:41	27-Sep-12	17:12
782VM9637KA	K1209275-007C	27-Sep-12	17:12	27-Sep-12	17:44
782VM10025KA	K1209275-008C	27-Sep-12	17:44	27-Sep-12	18:16
782M1027KA	K1209275-009C	27-Sep-12	18:16	27-Sep-12	18:47
092512KE	K1209275-010C	27-Sep-12	18:47	27-Sep-12	19:19
092512KF	K1209275-011A	27-Sep-12	19:19	27-Sep-12	19:50
092512KR	K1209275-012A	27-Sep-12	19:50	27-Sep-12	19:50

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1854

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB120717AK	TB120717AK	17-Jul-12	5:37	17-Jul-12	6:44
ICAL/MDLV 0.2	ICAL/MDLV 0.25 ppb	17-Jul-12	6:44	17-Jul-12	7:16
ICAL/MDLV 0.5	ICAL/MDLV 0.50 ppb	17-Jul-12	7:16	17-Jul-12	7:48
ICAL/MDLV 1.0	ICAL/MDLV 1.0 ppb	17-Jul-12	7:48	17-Jul-12	8:20
ICAL/MDLV 2.0	ICAL/MDLV 2.0 ppb	17-Jul-12	8:20	17-Jul-12	8:52
ICAL 10 ppb	ICAL 10 ppb	17-Jul-12	8:52	17-Jul-12	9:24
2SRC-24731	2SRC-24731	17-Jul-12	9:24	17-Jul-12	9:56
ICAL 20 ppb	ICAL 20 ppb	17-Jul-12	9:56	17-Jul-12	10:28
ICAL 30 ppb	ICAL 30 ppb	17-Jul-12	10:28	17-Jul-12	11:00
ICAL 40 ppb	ICAL 40 ppb	17-Jul-12	11:00	17-Jul-12	12:04
ICAL 60 ppb	ICAL 60 ppb	17-Jul-12	12:04	17-Jul-12	13:08
ICAL 80 ppb	ICAL 80 ppb	17-Jul-12	13:08	17-Jul-12	13:08
TB121002AK	TB121002AK	02-Oct-12	14:56	02-Oct-12	15:35
CCV-24734	CCV-24734	02-Oct-12	14:56	02-Oct-12	15:35
LCS-24734	LCS-24734	02-Oct-12	15:35	02-Oct-12	16:07
782VM105B36KB	K1209284-003CMS	02-Oct-12	16:07	02-Oct-12	16:39
782VM105B36KB	K1209284-003CMSD	02-Oct-12	16:39	02-Oct-12	17:43
MB-24734	MB-24734	02-Oct-12	17:43	02-Oct-12	18:15
782VM10118KA	K1209284-001C	02-Oct-12	18:15	02-Oct-12	18:47
782VM10118KC	K1209284-002C	02-Oct-12	18:47	02-Oct-12	19:19
782VM105B36KB	K1209284-003C	02-Oct-12	19:19	02-Oct-12	19:51
782VM105B36KC	K1209284-004C	02-Oct-12	19:51	02-Oct-12	20:23
782VM12116KA	K1209284-005C	02-Oct-12	20:23	02-Oct-12	20:54
782VM121D26KA	K1209284-006C	02-Oct-12	20:54	02-Oct-12	21:26
782SW11501KA	K1209284-007C	02-Oct-12	21:26	02-Oct-12	21:58
782SW11801KA	K1209284-008C	02-Oct-12	21:58	02-Oct-12	22:30
782SW11901KA	K1209284-009C	02-Oct-12	22:30	02-Oct-12	23:02
092612KF	K1209284-010A	02-Oct-12	23:02	02-Oct-12	23:34
092612KR	K1209284-011A	02-Oct-12	23:34	02-Oct-12	23:34

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1854

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB120717AK	TB120717AK	17-Jul-12	5:37	17-Jul-12	6:44
ICAL/MDLV 0.2	ICAL/MDLV 0.25 ppb	17-Jul-12	6:44	17-Jul-12	7:16
ICAL/MDLV 0.5	ICAL/MDLV 0.50 ppb	17-Jul-12	7:16	17-Jul-12	7:48
ICAL/MDLV 1.0	ICAL/MDLV 1.0 ppb	17-Jul-12	7:48	17-Jul-12	8:20
ICAL/MDLV 2.0	ICAL/MDLV 2.0 ppb	17-Jul-12	8:20	17-Jul-12	8:52
ICAL 10 ppb	ICAL 10 ppb	17-Jul-12	8:52	17-Jul-12	9:24
2SRC-24731	2SRC-24731	17-Jul-12	9:24	17-Jul-12	9:56
ICAL 20 ppb	ICAL 20 ppb	17-Jul-12	9:56	17-Jul-12	10:28
ICAL 30 ppb	ICAL 30 ppb	17-Jul-12	10:28	17-Jul-12	11:00
ICAL 40 ppb	ICAL 40 ppb	17-Jul-12	11:00	17-Jul-12	12:04
ICAL 60 ppb	ICAL 60 ppb	17-Jul-12	12:04	17-Jul-12	13:08
ICAL 80 ppb	ICAL 80 ppb	17-Jul-12	13:08	17-Jul-12	13:08
TB121002AK	TB121002AK	02-Oct-12	14:56	02-Oct-12	15:35
CCV-24734	CCV-24734	02-Oct-12	14:56	02-Oct-12	15:35
LCS-24734	LCS-24734	02-Oct-12	15:35	02-Oct-12	16:07
782VM105B36KB	K1209284-003CMS	02-Oct-12	16:07	02-Oct-12	16:39
782VM105B36KB	K1209284-003CMSD	02-Oct-12	16:39	02-Oct-12	17:43
MB-24734	MB-24734	02-Oct-12	17:43	02-Oct-12	18:15
782VM10118KA	K1209284-001C	02-Oct-12	18:15	02-Oct-12	18:47
782VM10118KC	K1209284-002C	02-Oct-12	18:47	02-Oct-12	19:19
782VM105B36KB	K1209284-003C	02-Oct-12	19:19	02-Oct-12	19:51
782VM105B36KC	K1209284-004C	02-Oct-12	19:51	02-Oct-12	20:23
782VM12116KA	K1209284-005C	02-Oct-12	20:23	02-Oct-12	20:54
782VM121D26KA	K1209284-006C	02-Oct-12	20:54	02-Oct-12	21:26
782SW11501KA	K1209284-007C	02-Oct-12	21:26	02-Oct-12	21:58
782SW11801KA	K1209284-008C	02-Oct-12	21:58	02-Oct-12	22:30
782SW11901KA	K1209284-009C	02-Oct-12	22:30	02-Oct-12	22:30

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS04_73_120710A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Injection Date/Time:**	9/10/2012 9:53:00 AM
Initial Calibration ID:	1853	**File ID:**	R0716.D
Compound:	SW8260B	**Sample ID:**	TB120919A4

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	17.1	
75	30 - 60% of m/z 95	39.9	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.8	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	72.5	
175	5 - 9% of m/z 174	7.4	
176	Greater than 95% but less than 101% of m/z 174	95.6	
177	5 - 9% of m/z 176	6.3	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS04_73_120927A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS04_73	**Injection Date/Time:**	9/27/2012 9:42:00 AM
Initial Calibration ID:	1853	**File ID:**	R1124.D
Compound:	SW8260B	**Sample ID:**	TB120927A4

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	16.6	
75	30 - 60% of m/z 95	41.1	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	77.1	
175	5 - 9% of m/z 174	7.7	
176	Greater than 95% but less than 101% of m/z 174	96.5	
177	5 - 9% of m/z 176	6.4	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_120717A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	7/17/2012 5:37:00 AM
Initial Calibration ID:	1854	**File ID:**	C:\HPCHEM\1\DATA\K0438.D
Compound:	SW8260B	**Sample ID:**	TB120717AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	23.0	
75	30 - 60% of m/z 95	54.2	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	66.7	
175	5 - 9% of m/z 174	7.3	
176	Greater than 95% but less than 101% of m/z 174	95.3	
177	5 - 9% of m/z 176	6.5	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_121101A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	10/2/2012 2:56:00 PM
Initial Calibration ID:	1854	**File ID:**	C:\HPCHEM\1\DATA\K0560.D
Compound:	SW8260B	**Sample ID:**	TB121002AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	23.7	
75	30 - 60% of m/z 95	54.8	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	65.2	
175	5 - 9% of m/z 174	7.6	
176	Greater than 95% but less than 101% of m/z 174	95.9	
177	5 - 9% of m/z 176	6.7	

IC / Anions Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA	K1209275-001B
782VM7638KA	K1209275-002B
782VM7840KA	K1209275-003B
782VM8146KA	K1209275-004B
782VM8440KA	K1209275-005B
782VM84D50KA	K1209275-006B
782VM9637KA	K1209275-007B
782VM10025KA	K1209275-008B
782M1027KA	K1209275-009B
092512KE	K1209275-010B

Comments:

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

Signature: Anthony C

Name: Anthony Crescenzi

Date: 11-2-12

Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24670

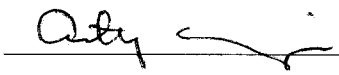
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM10118KA	K1209284-001B
782VM10118KC	K1209284-002B
782VM105B36KB	K1209284-003B
782VM105B36KB	K1209284-003BDUP
782VM105B36KB	K1209284-003BMS
782VM105B36KB	K1209284-003BMSD
782VM105B36KC	K1209284-004B
782VM12116KA	K1209284-005B
782VM121D26KA	K1209284-006B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24671

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA DL	K1209275-001BDL
782VM9637KA DL	K1209275-007BDL
782VM10025KA DL	K1209275-008BDL
782VM10118KA DL	K1209284-001BDL
782VM10118KC DL	K1209284-002BDL
782VM12116KA DL	K1209284-005BDL

Comments:

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

Signature: Anthony C

Name: Anthony Crescenzi

Date: 11-2-12

Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	59	1	J
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24671	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	AP2M0327KA DL	**Lab Sample ID:**	K1209275-001BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	2.5	5.0	58	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	35	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	1.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	10	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	5.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	16	1	
Nitrate (as N)	0.10	1.0	0.10	1	**U**
Sulfate (as SO4)	0.50	1.0	6.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	23	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	27	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	1.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24669		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	56	1	**J**
Nitrate (as N)	0.10	1.0	0.10	1	**U**
Sulfate (as SO4)	0.50	1.0	0.50	1	**U**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24671		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637KA DL	**Lab Sample ID:**	K1209275-007BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	2.5	5.0	54	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM10025KA **Lab Sample ID:** K1209275-008B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 26-Sep-12 **Date Prepared:** **Date Analyzed:** 26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.9	1	
Nitrate (as N)	0.10	1.0	0.10	1	**U**
Sulfate (as SO4)	0.50	1.0	100	1	**J**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24671		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025KA DL	**Lab Sample ID:**	K1209275-008BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	140	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782M1027KA **Lab Sample ID:** K1209275-009B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 26-Sep-12 **Date Prepared:** **Date Analyzed:** 26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	12	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.62	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 092512KE **Lab Sample ID:** K1209275-010B **Matrix:** Water Q

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 26-Sep-12 **Date Prepared:** **Date Analyzed:** 26-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	0.50	1	U
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM10118KA **Lab Sample ID:** K1209284-001B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 27-Sep-12 **Date Prepared:** **Date Analyzed:** 27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	26	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	91	1	J

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24671		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KA DL	**Lab Sample ID:**	K1209284-001BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	98	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM10118KC **Lab Sample ID:** K1209284-002B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 27-Sep-12 **Date Prepared:** **Date Analyzed:** 27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	26	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	92	1	J

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24671	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KC DL	**Lab Sample ID:**	K1209284-002BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	100	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM105B36KB **Lab Sample ID:** K1209284-003B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 27-Sep-12 **Date Prepared:** **Date Analyzed:** 27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.8	1	
Nitrate (as N)	0.10	1.0	0.15	1	F
Sulfate (as SO4)	0.50	1.0	6.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM105B36KB **Lab Sample ID:** K1209284-003BMS **Matrix:** Aqueous

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 27-Sep-12 **Date Prepared:** **Date Analyzed:** 27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.500	1.00	13.8	1	
Nitrate (as N)	0.100	1.00	1.03	1	
Sulfate (as SO4)	0.500	1.00	16.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM105B36KB **Lab Sample ID:** K1209284-003BMSD **Matrix:** Aqueous

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 27-Sep-12 **Date Prepared:** **Date Analyzed:** 27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.500	1.00	13.9	1	
Nitrate (as N)	0.100	1.00	1.05	1	
Sulfate (as SO4)	0.500	1.00	16.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24670	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.8	1	
Nitrate (as N)	0.10	1.0	0.14	1	F
Sulfate (as SO4)	0.50	1.0	6.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM12116KA **Lab Sample ID:** K1209284-005B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 27-Sep-12 **Date Prepared:** **Date Analyzed:** 27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	39	1	
Nitrate (as N)	0.10	1.0	0.10	1	**U**
Sulfate (as SO4)	0.50	1.0	83	1	**J**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24671		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116KA DL	**Lab Sample ID:**	K1209284-005BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	82	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24670		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	27-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	44	1	
Nitrate (as N)	0.10	1.0	0.10	1	**U**
Sulfate (as SO4)	0.50	1.0	37	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1851

AAB #: R24669
Contract #:
Date of Initial Calibration: 16-Aug-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Chloride	1	2	5	10	20	50	0.5	0	0	0	0.999623	
Nitrate (as N)	0.1	0.2	0.5	1	2	5	0.05	0	0	0	0.999873	
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1851

AAB #: R24670
Contract #:
Date of Initial Calibration: 16-Aug-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Chloride	1	2	5	10	20	50	0.5	0	0	0	0.999623	
Nitrate (as N)	0.1	0.2	0.5	1	2	5	0.05	0	0	0	0.999873	
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
AAB #: R24671
Lab Name: Life Science Laboratories, Inc.
Contract #:
Instrument ID: Dionex IC2
Date of Initial Calibration: 16-Aug-12
Initial Calibration ID: 1851
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Bromide	0.1	0.2	0.5	1	2	5	0	0	0	0	0	
Chloride	1	2	5	10	20	50	0.5	0	0	0	0.999623	
Fluoride	0	0	0	0	0	0	0	0	0	0	0	
Nitrate (as N)	0.1	0.2	0.5	1	2	5	0.05	0	0	0	0.999873	
Nitrite (as N)	0	0	0	0	0	0	0	0	0	0	0	
Orthophosphate (as P)	0	0	0	0	0	0	0	0	0	0	0	
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW9056	**AAB #:**	R24669
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	Dionex IC2	**Initial Calibration ID:**	1851
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	20.0	20.3	1.6	20.0	20.2	0.9	20.1	0.5	
Nitrate (as N)	2.00	2.02	1.0	2.00	2.04	2.0	1.96	-2.0	
Sulfate (as SO4)	20.0	19.5	-2.5	20.0	20.0	0	20.3	1.6	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: Dionex IC2 **Initial Calibration ID:** 1851

2nd Source ID: ICV **CCV #1 ID:** CCV3 **CCV #2 ID:**

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	20.0	20.3	1.6	20.0	20.4	2.2			
Nitrate (as N)	2.00	2.02	1.0	2.00	2.02	1.0			
Sulfate (as SO4)	20.0	19.5	-2.5	20.0	20.2	0.8			

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW9056	**AAB #:**	R24670
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	Dionex IC2	**Initial Calibration ID:**	1851
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	20.0	20.2	0.9	20.0	20.0	-0.3	20.2	1.0	
Nitrate (as N)	2.00	2.08	4.0	2.00	1.98	-1.0	1.99	-0.5	
Sulfate (as SO4)	20.0	19.8	-1.2	20.0	21.2	6.1	20.2	1.1	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R24671

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: Dionex IC2 **Initial Calibration ID:** 1851

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:**

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	20.0	20.2	1.1	20.0	20.4	1.9			
Nitrate (as N)	2.00	2.02	1.0	2.00	2.10	5.0			
Sulfate (as SO4)	20.0	19.8	-1.0	20.0	20.3	1.4			

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1851

Method Blank ID: MB-24669 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1851

Method Blank ID: MB-24669 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1851

Method Blank ID: MB-24669 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB3 **Initial Calibration ID:** 1851

Method Blank ID: MB-24669 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1851

Method Blank ID: MB-24670 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1851

Method Blank ID: MB-24670 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1851

Method Blank ID: MB-24670 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24671

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1851

Method Blank ID: MB-24671 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24671

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1851

Method Blank ID: MB-24671 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24669 **Initial Calibration ID:** 1851

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Chloride	20	20.3	102	85 - 115	
Nitrate (as N)	2	2.02	101	85 - 115	
Sulfate (as SO4)	20	19.5	98	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24670 **Initial Calibration ID:** 1851

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Chloride	20	20.2	101	85 - 115	
Nitrate (as N)	2	2.08	104	85 - 115	
Sulfate (as SO4)	20	19.8	99	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R24671

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24671 **Initial Calibration ID:** 1851

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Chloride	20	20.2	101	85 - 115	
Nitrate (as N)	2	2.02	101	85 - 115	
Sulfate (as SO4)	20	19.8	99	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

% Solids: 0 **Initial Calibration ID:** 1851

Parent Field Sample ID: 782VM105B36KB **MS ID:** K1209284-003BMS **MSD ID:** K1209284-003BMSD

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Chloride	3.84	10.0	13.8	100	13.9	100	0	85 - 115	20	
Nitrate (as N)	0.147	1.00	1.03	88	1.05	90	2	85 - 115	20	
Sulfate (as SO4)	6.56	10.0	16.5	100	16.4	99	0	85 - 115	20	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R24669

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
AP2M0327KA	K1209275-001B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.0	
782VM7638KA	K1209275-002B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.1	
782VM7840KA	K1209275-003B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.2	
782VM8146KA	K1209275-004B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.2	
782VM8440KA	K1209275-005B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.2	
782VM84D50KA	K1209275-006B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.1	
782VM9637KA	K1209275-007B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.1	
782VM10025KA	K1209275-008B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.0	
782M1027KA	K1209275-009B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.1	
092512KE	K1209275-010B	25-Sep-12	26-Sep-12	26-Sep-12	2	1.4	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R24670

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
782VM10118KA	K1209284-001B	26-Sep-12	27-Sep-12	27-Sep-12	2	1.1	
782VM10118KC	K1209284-002B	26-Sep-12	27-Sep-12	27-Sep-12	2	1.1	
782VM105B36KB	K1209284-003B	26-Sep-12	27-Sep-12	27-Sep-12	2	0.9	
782VM105B36KB	K1209284-003BDUP	26-Sep-12	27-Sep-12	27-Sep-12	2	0.9	
782VM105B36KB	K1209284-003BMS	26-Sep-12	27-Sep-12	27-Sep-12	2	1.0	
782VM105B36KB	K1209284-003BMSD	26-Sep-12	27-Sep-12	27-Sep-12	2	1.0	
782VM105B36KC	K1209284-004B	26-Sep-12	27-Sep-12	27-Sep-12	2	1.0	
782VM12116KA	K1209284-005B	26-Sep-12	27-Sep-12	27-Sep-12	2	1.0	
782VM121D26KA	K1209284-006B	26-Sep-12	27-Sep-12	27-Sep-12	2	1.1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R24671

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
AP2M0327KA DL	K1209275-001BDL	25-Sep-12	26-Sep-12	10-Oct-12	28	14.8	
782VM9637KA DL	K1209275-007BDL	25-Sep-12	26-Sep-12	10-Oct-12	28	14.8	
782VM10025KA DL	K1209275-008BDL	25-Sep-12	26-Sep-12	10-Oct-12	28	14.8	
782VM10118KA DL	K1209284-001BDL	26-Sep-12	27-Sep-12	10-Oct-12	28	14.0	
782VM10118KC DL	K1209284-002BDL	26-Sep-12	27-Sep-12	10-Oct-12	28	14.0	
782VM12116KA DL	K1209284-005BDL	26-Sep-12	27-Sep-12	10-Oct-12	28	13.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Dionex IC2

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
ICAL 7	ICAL 7	16-Aug-12	8:57	16-Aug-12	9:28
ICAL 1	ICAL 1	16-Aug-12	9:28	16-Aug-12	9:40
ICAL 2	ICAL 2	16-Aug-12	9:40	16-Aug-12	9:53
ICAL 3	ICAL 3	16-Aug-12	9:53	16-Aug-12	10:05
ICAL 4	ICAL 4	16-Aug-12	10:05	16-Aug-12	10:18
ICAL 5	ICAL 5	16-Aug-12	10:18	16-Aug-12	10:31
ICAL 6	ICAL 6	16-Aug-12	10:31	16-Aug-12	10:31
ICV	ICV	26-Sep-12	8:54	26-Sep-12	8:54
LCS-24669	LCS-24669	26-Sep-12	8:54	26-Sep-12	9:07
ICB	ICB	26-Sep-12	9:07	26-Sep-12	9:07
MB-24669	MB-24669	26-Sep-12	9:07	26-Sep-12	13:49
CCV1	CCV1	26-Sep-12	13:49	26-Sep-12	14:01
CCB1	CCB1	26-Sep-12	14:01	26-Sep-12	15:07
AP2M0327KA	K1209275-001B	26-Sep-12	15:07	26-Sep-12	15:20
782VM7638KA	K1209275-002B	26-Sep-12	15:20	26-Sep-12	15:39
782VM7840KA	K1209275-003B	26-Sep-12	15:39	26-Sep-12	15:51
782VM8146KA	K1209275-004B	26-Sep-12	15:51	26-Sep-12	16:10
782VM8440KA	K1209275-005B	26-Sep-12	16:10	26-Sep-12	16:22
782VM84D50KA	K1209275-006B	26-Sep-12	16:22	26-Sep-12	16:47
CCV2	CCV2	26-Sep-12	16:47	26-Sep-12	17:00
CCB2	CCB2	26-Sep-12	17:00	26-Sep-12	17:13
782VM9637KA	K1209275-007B	26-Sep-12	17:13	26-Sep-12	17:25
782VM10025KA	K1209275-008B	26-Sep-12	17:25	26-Sep-12	17:38
782M1027KA	K1209275-009B	26-Sep-12	17:38	26-Sep-12	17:50
092512KE	K1209275-010B	26-Sep-12	17:50	26-Sep-12	18:53
CCV3	CCV3	26-Sep-12	18:53	26-Sep-12	19:06
CCB3	CCB3	26-Sep-12	19:06	26-Sep-12	19:06
ICV	ICV	27-Sep-12	10:42	27-Sep-12	10:43
LCS-24670	LCS-24670	27-Sep-12	10:43	27-Sep-12	10:54
ICB	ICB	27-Sep-12	10:54	27-Sep-12	10:55
MB-24670	MB-24670	27-Sep-12	10:55	27-Sep-12	13:13
782VM10118KA	K1209284-001B	27-Sep-12	13:13	27-Sep-12	13:25
782VM10118KC	K1209284-002B	27-Sep-12	13:25	27-Sep-12	13:38
782VM105B36KB	K1209284-003B	27-Sep-12	13:38	27-Sep-12	13:51
782VM105B36KB	K1209284-003BDUP	27-Sep-12	13:51	27-Sep-12	14:03
782VM105B36KB	K1209284-003BMS	27-Sep-12	14:03	27-Sep-12	14:16
CCV1	CCV1	27-Sep-12	14:16	27-Sep-12	14:28

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Dionex IC2

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
CCB1	CCB1	27-Sep-12	14:28	27-Sep-12	14:41
782VM105B36KB	K1209284-003BMSD	27-Sep-12	14:41	27-Sep-12	14:54
782VM105B36KC	K1209284-004B	27-Sep-12	14:54	27-Sep-12	15:06
782VM12116KA	K1209284-005B	27-Sep-12	15:06	27-Sep-12	15:19
782VM121D26KA	K1209284-006B	27-Sep-12	15:19	27-Sep-12	16:09
CCV2	CCV2	27-Sep-12	16:09	27-Sep-12	16:22
CCB2	CCB2	27-Sep-12	16:22	27-Sep-12	16:22
ICV	ICV	10-Oct-12	8:29	10-Oct-12	8:30
LCS-24671	LCS-24671	10-Oct-12	8:30	10-Oct-12	8:42
ICB	ICB	10-Oct-12	8:42	10-Oct-12	8:43
MB-24671	MB-24671	10-Oct-12	8:43	10-Oct-12	10:11
AP2M0327KA DL	K1209275-001BDL	10-Oct-12	10:11	10-Oct-12	10:24
782VM9637KA DL	K1209275-007BDL	10-Oct-12	10:24	10-Oct-12	10:36
782VM10025KA DL	K1209275-008BDL	10-Oct-12	10:36	10-Oct-12	11:06
782VM10118KA DL	K1209284-001BDL	10-Oct-12	11:06	10-Oct-12	11:19
782VM10118KC DL	K1209284-002BDL	10-Oct-12	11:19	10-Oct-12	11:31
782VM12116KA DL	K1209284-005BDL	10-Oct-12	11:31	10-Oct-12	13:34
CCV1	CCV1	10-Oct-12	13:34	10-Oct-12	13:47
CCB1	CCB1	10-Oct-12	13:47	10-Oct-12	13:47

Comments:

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW9056
Work Order: K1209284
CLIENT: FPM Group **Project:** Griffiss AFB - Apron 2 Performance

Sample ID: **K1209284-003BDUP**	SampType: **DUP**	TestCode: **9056WAF**	Units: **mg/L**	Prep Date:		RunNo: **24670**			
Client ID: **782VM105B36KB**	Batch ID: **R24670**	Method: **SW9056**		Analysis Date: **9/27/2012**		SeqNo: **619356**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	3.94	1.00						3.84	3	20	
Nitrate (as N)	0.181	1.00						0.147	21	20	J
Sulfate (as SO4)	6.46	1.00						6.56	2	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

221

24-Oct-12

Dissolved Organic Carbon Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24673

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA	K1209275-001D
782VM7638KA	K1209275-002D
782VM7840KA	K1209275-003D
782VM8146KA	K1209275-004D
782VM8440KA	K1209275-005D
782VM84D50KA	K1209275-006D
782VM9637KA	K1209275-007D
782VM10025KA	K1209275-008D
782M1027KA	K1209275-009D
092512KE	K1209275-010D
782VM10118KA	K1209284-001D
782VM10118KC	K1209284-002D
782VM105B36KB	K1209284-003D
782VM105B36KB	K1209284-003DMS
782VM105B36KB	K1209284-003DMSD
782VM105B36KC	K1209284-004D
782VM12116KA	K1209284-005D
782VM121D26KA	K1209284-006D

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	5.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.72	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	4.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010D	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 5310 B **AAB #:** R24673

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM10118KA **Lab Sample ID:** K1209284-001D **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1852

Date Received: 27-Sep-12 **Date Prepared:** **Date Analyzed:** 10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003DMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.500	1.00	11.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003DMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.500	1.00	11.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24673		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24673	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	10-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1852

AAB #: R24673
Contract #:
Date of Initial Calibration: 09-Oct-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999564	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SM 5310 B	**AAB #:**	R24673
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	TOC-5000A	**Initial Calibration ID:**	1852
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	9.53	-4.7	10.0	9.48	-5.2	9.62	-3.8	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24673

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1852

Method Blank ID: MB-24673 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.15	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24673

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1852

Method Blank ID: MB-24673 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.26	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24673

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1852

Method Blank ID: MB-24673 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.17	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B
AAB #: R24673
Lab Name: Life Science Laboratories, Inc.
Contract #:
LCS ID: LCS-24673
Initial Calibration ID: 1852
Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	9.53	95	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SM 5310 B **AAB #:** R24673

Lab Name: Life Science Laboratories, Inc. **Contract #:**

% Solids: 0 **Initial Calibration ID:** 1852

Parent Field Sample ID: 782VM105B36KB **MS ID:** K1209284-003DMS **MSD ID:** K1209284-003DMSD

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Dissolved organic carbon (DOC)	1.35	10.0	11.2	99	11.4	100	1	75 - 125	20	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R24673

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
AP2M0327KA	K1209275-001D	25-Sep-12	26-Sep-12	10-Oct-12	28	14.8	
782VM7638KA	K1209275-002D	25-Sep-12	26-Sep-12	10-Oct-12	28	14.9	
782VM7840KA	K1209275-003D	25-Sep-12	26-Sep-12	10-Oct-12	28	15.1	
782VM8146KA	K1209275-004D	25-Sep-12	26-Sep-12	10-Oct-12	28	15.1	
782VM8440KA	K1209275-005D	25-Sep-12	26-Sep-12	10-Oct-12	28	15.0	
782VM84D50KA	K1209275-006D	25-Sep-12	26-Sep-12	10-Oct-12	28	15.0	
782VM9637KA	K1209275-007D	25-Sep-12	26-Sep-12	10-Oct-12	28	15.0	
782VM10025KA	K1209275-008D	25-Sep-12	26-Sep-12	10-Oct-12	28	14.9	
782M1027KA	K1209275-009D	25-Sep-12	26-Sep-12	10-Oct-12	28	14.9	
092512KE	K1209275-010D	25-Sep-12	26-Sep-12	10-Oct-12	28	15.2	
782VM10118KA	K1209284-001D	26-Sep-12	27-Sep-12	10-Oct-12	28	13.9	
782VM10118KC	K1209284-002D	26-Sep-12	27-Sep-12	10-Oct-12	28	13.9	
782VM105B36KB	K1209284-003D	26-Sep-12	27-Sep-12	10-Oct-12	28	13.8	
782VM105B36KB	K1209284-003DMS	26-Sep-12	27-Sep-12	10-Oct-12	28	13.8	
782VM105B36KB	K1209284-003DMSD	26-Sep-12	27-Sep-12	10-Oct-12	28	13.8	
782VM105B36KC	K1209284-004D	26-Sep-12	27-Sep-12	10-Oct-12	28	13.8	
782VM12116KA	K1209284-005D	26-Sep-12	27-Sep-12	10-Oct-12	28	13.9	
782VM121D26KA	K1209284-006D	26-Sep-12	27-Sep-12	10-Oct-12	28	13.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: TOC-5000A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
S 0	S 0	09-Oct-12	9:28	09-Oct-12	9:58
S 1	S 1	09-Oct-12	9:58	09-Oct-12	10:08
S 10	S 10	09-Oct-12	10:08	09-Oct-12	10:19
S 20	S 20	09-Oct-12	10:19	09-Oct-12	10:19
ICV	ICV	10-Oct-12	7:57	10-Oct-12	7:58
LCS-24673	LCS-24673	10-Oct-12	7:58	10-Oct-12	8:06
ICB	ICB	10-Oct-12	8:06	10-Oct-12	8:07
MB-24673	MB-24673	10-Oct-12	8:07	10-Oct-12	9:23
782VM10118KA	K1209284-001D	10-Oct-12	9:23	10-Oct-12	9:32
782VM10118KC	K1209284-002D	10-Oct-12	9:32	10-Oct-12	9:44
782VM105B36KB	K1209284-003D	10-Oct-12	9:44	10-Oct-12	9:59
782VM105B36KB	K1209284-003DMS	10-Oct-12	9:59	10-Oct-12	10:14
782VM105B36KB	K1209284-003DMSD	10-Oct-12	10:14	10-Oct-12	10:36
782VM105B36KC	K1209284-004D	10-Oct-12	10:36	10-Oct-12	10:44
782VM12116KA	K1209284-005D	10-Oct-12	10:44	10-Oct-12	10:52
782VM121D26KA	K1209284-006D	10-Oct-12	10:52	10-Oct-12	11:18
AP2M0327KA	K1209275-001D	10-Oct-12	11:18	10-Oct-12	11:27
782VM7638KA	K1209275-002D	10-Oct-12	11:27	10-Oct-12	11:39
CCV1	CCV1	10-Oct-12	11:39	10-Oct-12	11:50
CCB1	CCB1	10-Oct-12	11:50	10-Oct-12	12:49
782VM7840KA	K1209275-003D	10-Oct-12	12:49	10-Oct-12	13:04
782VM8146KA	K1209275-004D	10-Oct-12	13:04	10-Oct-12	13:20
782VM8440KA	K1209275-005D	10-Oct-12	13:20	10-Oct-12	13:29
782VM84D50KA	K1209275-006D	10-Oct-12	13:29	10-Oct-12	13:41
782VM9637KA	K1209275-007D	10-Oct-12	13:41	10-Oct-12	13:50
782VM10025KA	K1209275-008D	10-Oct-12	13:50	10-Oct-12	14:00
782M1027KA	K1209275-009D	10-Oct-12	14:00	10-Oct-12	14:20
092512KE	K1209275-010D	10-Oct-12	14:20	10-Oct-12	14:31
CCV2	CCV2	10-Oct-12	14:31	10-Oct-12	14:46
CCB2	CCB2	10-Oct-12	14:46	10-Oct-12	14:46

Comments:

Alkalinity Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 2320 B **AAB #:** R24581

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
AP2M0327KA	K1209275-001A
782VM7638KA	K1209275-002A
782VM7840KA	K1209275-003A
782VM8146KA	K1209275-004A
782VM8440KA	K1209275-005A
782VM84D50KA	K1209275-006A
782VM9637KA	K1209275-007A
782VM10025KA	K1209275-008A
782M1027KA	K1209275-009A
092512KE	K1209275-010A

Comments:

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

Signature: Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	AP2M0327KA	**Lab Sample ID:**	K1209275-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	370	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24581	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638KA	**Lab Sample ID:**	K1209275-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	320	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24581	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840KA	**Lab Sample ID:**	K1209275-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	230	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24581	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8146KA	**Lab Sample ID:**	K1209275-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	220	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B	**AAB #:**	R24581		
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440KA	**Lab Sample ID:**	K1209275-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	280	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24581	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM84D50KA	**Lab Sample ID:**	K1209275-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637KA	**Lab Sample ID:**	K1209275-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24581	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025KA	**Lab Sample ID:**	K1209275-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027KA	**Lab Sample ID:**	K1209275-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	250	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24581		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092512KE	**Lab Sample ID:**	K1209275-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	26-Sep-12	**Date Prepared:**		**Date Analyzed:**	28-Sep-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 2320 B **AAB #:** R24581

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: **Initial Calibration ID:** 0

Method Blank ID: MB-R24581 **Initial Calibration ID:** 0

Analyte	Calibration Blank	Method Blank	RL	Q
Alkalinity, as CaCO3		10	10	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 2320 B **AAB #:** R24581

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-R24581 **Initial Calibration ID:** 0

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Alkalinity, as CaCO3	50	52	104	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 2320 B **AAB #:** R24581

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
AP2M0327KA	K1209275-001A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.7	
782VM7638KA	K1209275-002A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.8	
782VM7840KA	K1209275-003A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.9	
782VM8146KA	K1209275-004A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.9	
782VM8440KA	K1209275-005A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.8	
782VM84D50KA	K1209275-006A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.8	
782VM9637KA	K1209275-007A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.7	
782VM10025KA	K1209275-008A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.6	
782M1027KA	K1209275-009A	25-Sep-12	26-Sep-12	28-Sep-12	14	2.7	
092512KE	K1209275-010A	25-Sep-12	26-Sep-12	28-Sep-12	14	3.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 2320 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Buret Type A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
MB-R24581	MB-R24581	28-Sep-12	8:00	28-Sep-12	8:00
LCS-R24581	LCS-R24581	28-Sep-12	8:00	28-Sep-12	8:00
092512KE	K1209275-010A	28-Sep-12	8:00	28-Sep-12	8:00
AP2M0327KA	K1209275-001A	28-Sep-12	8:00	28-Sep-12	8:00
782VM7638KA	K1209275-002A	28-Sep-12	8:00	28-Sep-12	8:00
782VM7840KA	K1209275-003A	28-Sep-12	8:00	28-Sep-12	8:00
782VM8146KA	K1209275-004A	28-Sep-12	8:00	28-Sep-12	8:00
782VM8440KA	K1209275-005A	28-Sep-12	8:00	28-Sep-12	8:00
782VM84D50KA	K1209275-006A	28-Sep-12	8:00	28-Sep-12	8:00
782VM9637KA	K1209275-007A	28-Sep-12	8:00	28-Sep-12	8:00
782VM10025KA	K1209275-008A	28-Sep-12	8:00	28-Sep-12	8:00
782M1027KA	K1209275-009A	28-Sep-12	8:00	28-Sep-12	8:00

Comments:

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 2320 B **AAB #:** R24594

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM10118KA	K1209284-001A
782VM10118KC	K1209284-002A
782VM105B36KB	K1209284-003A
782VM105B36KB	K1209284-003ADUP
782VM105B36KC	K1209284-004A
782VM12116KA	K1209284-005A
782VM121D26KA	K1209284-006A

Comments:

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

Signature: Name: Anthony Crescenzi

Date: 11-2-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24594		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KA	**Lab Sample ID:**	K1209284-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	320	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24594	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118KC	**Lab Sample ID:**	K1209284-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24594	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KB	**Lab Sample ID:**	K1209284-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	250	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R24594		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36KC	**Lab Sample ID:**	K1209284-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	250	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24594	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116KA	**Lab Sample ID:**	K1209284-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	320	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R24594	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26KA	**Lab Sample ID:**	K1209284-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	03-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 2320 B **AAB #:** R24594

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: **Initial Calibration ID:** 0

Method Blank ID: MB-R24594 **Initial Calibration ID:** 0

Analyte	Calibration Blank	Method Blank	RL	Q
Alkalinity, as CaCO3		10	10	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 2320 B **AAB #:** R24594

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-R24594 **Initial Calibration ID:** 0

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Alkalinity, as CaCO3	50	50	100	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 2320 B **AAB #:** R24594

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
782VM10118KA	K1209284-001A	26-Sep-12	27-Sep-12	03-Oct-12	14	6.9	
782VM10118KC	K1209284-002A	26-Sep-12	27-Sep-12	03-Oct-12	14	6.9	
782VM105B36KB	K1209284-003A	26-Sep-12	27-Sep-12	03-Oct-12	14	6.7	
782VM105B36KB	K1209284-003ADUP	26-Sep-12	27-Sep-12	03-Oct-12	14	6.7	
782VM105B36KC	K1209284-004A	26-Sep-12	27-Sep-12	03-Oct-12	14	6.7	
782VM12116KA	K1209284-005A	26-Sep-12	27-Sep-12	03-Oct-12	14	6.7	
782VM121D26KA	K1209284-006A	26-Sep-12	27-Sep-12	03-Oct-12	14	6.8	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 2320 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Buret Type A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
MB-R24594	MB-R24594	03-Oct-12	8:00	03-Oct-12	8:00
LCS-R24594	LCS-R24594	03-Oct-12	8:00	03-Oct-12	8:00
782VM10118KA	K1209284-001A	03-Oct-12	8:00	03-Oct-12	8:00
782VM10118KC	K1209284-002A	03-Oct-12	8:00	03-Oct-12	8:00
782VM105B36KB	K1209284-003A	03-Oct-12	8:00	03-Oct-12	8:00
782VM105B36KB	K1209284-003ADUP	03-Oct-12	8:00	03-Oct-12	8:00
782VM105B36KC	K1209284-004A	03-Oct-12	8:00	03-Oct-12	8:00
782VM12116KA	K1209284-005A	03-Oct-12	8:00	03-Oct-12	8:00
782VM121D26KA	K1209284-006A	03-Oct-12	8:00	03-Oct-12	8:00

Comments:

Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SM 18-20 2320 B
Work Order: K1209284
Project: Griffiss AFB - Apron 2 Performance

CLIENT: FPM Group

Sample ID: **K1209284-003ADUP** SampType: **DUP** TestCode: **ALKT 2320B** Units: **mg/L** Prep Date: RunNo: **24594**
Client ID: **782VM105B36KB** Batch ID: **R24594** Method: **SM 18-20 232** Analysis Date: **10/3/2012** SeqNo: **617293**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, as CaCO3	248	10						248	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

278

10-Oct-12

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

Wednesday November 07, 2012

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB – Building 817
RE: Analytical Results
Order No.: K1209296, K1209306, K1210053

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received samples on 9/27/2012 to 10/3/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-Building 817-Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were found upon sample receipt. The temperature of the well-iced coolers were <6.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1
Dissolved Gases	RSK175	1
Sulfate	SW9056	1
Dissolved Organic Carbon	SM5310B	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

2) Standard Methods for the Examination of Water and Wastewater, 18th, 19th, and 20th Editions.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1209296 and K1209306
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 11/2/12

Supervisor/Reviewed by (Initials/Date): 11/2/12

QA/QC Review (Initials/Date): Ac for LR 11-6-12

File Name: U:\Narratives\MSVoa\K1209296msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD/MSB
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24734	MSK	2-Chlorotoluene	22.7		1
		Bromomethane	30.7		1
		Carbon tetrachloride	23.5		1
		sec-Butylbenzene	21.1		1
CCV-24736	MS4	2-Chlorotoluene	20.9		1

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1209296 and K1209306
Methodology:	8260B

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

GC Semi-Volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order. #:	K1209296, K1209306
Methodology:	RSK-175

Analyzed/Reviewed by (Initials/Date): CPT 11/6/12

Supervisor/Reviewed by (Initials/Date): CPT 11/6/12

QA/QC Review (Initials/Date): AC/LK 11-6-12

File Name: U:\Narratives\GCSemi\K1209296,K1209306DG.doc

Dissolved Gases

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-16014	Ethene	1

1. The LCS and LCSD marginally exceeded the lower control limit. Samples were qualified with a "Q" flag.

MS/MSD
The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
WSAM1615KA	K1209296-003AMS/MSD	Methane	X		1
		Ethene	X		1

The MS and MSD exceeded the lower control limit. The associated sample was flagged.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Building 817
Work Order #:	K1209296, K1209306, K1210053
Methodology:	Dissolved Organic Carbon - SM 5310 B Sulfate - SW 9056

Analyzed/Reviewed by (Date/Initials): MT 10-24-12

Supervisor/Reviewed by (Date/Initials): MT 10-24-12

QA/QC Review (Date/Initials): AC for LK 11-7-12

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

MS/MSD AND MS/MSD RPD
All spike recovery and RPD data met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *06-Nov-12*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1209296

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209296-001A	LAWM0912KA	LAWMW-9	9/26/2012	9/27/2012
K1209296-001B	LAWM0912KA	LAWMW-9	9/26/2012	9/27/2012
K1209296-001C	LAWM0912KA	LAWMW-9	9/26/2012	9/27/2012
K1209296-002A	WSAM0809KA	WSAMW-8	9/26/2012	9/27/2012
K1209296-002B	WSAM0809KA	WSAMW-8	9/26/2012	9/27/2012
K1209296-002C	WSAM0809KA	WSAMW-8	9/26/2012	9/27/2012
K1209296-003A	WSAM1615KA	WSA-MW16	9/26/2012	9/27/2012
K1209296-003B	WSAM1615KA	WSA-MW16	9/26/2012	9/27/2012
K1209296-003C	WSAM1615KA	WSA-MW16	9/26/2012	9/27/2012
K1209296-004A	WSAM1615KC	WSA-MW16	9/26/2012	9/27/2012
K1209296-004B	WSAM1615KC	WSA-MW16	9/26/2012	9/27/2012
K1209296-004C	WSAM1615KC	WSA-MW16	9/26/2012	9/27/2012
K1209296-005A	WSAM1722KA	WL-WSAVMW-17	9/26/2012	9/27/2012
K1209296-005B	WSAM1722KA	WL-WSAVMW-17	9/26/2012	9/27/2012
K1209296-005C	WSAM1722KA	WL-WSAVMW-17	9/26/2012	9/27/2012
K1209296-006A	WSAM1814KA	WL-WSAMW-18	9/26/2012	9/27/2012
K1209296-006B	WSAM1814KA	WL-WSAMW-18	9/26/2012	9/27/2012

Life Science Laboratories, Inc.

Date: *06-Nov-12*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1209306

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209306-001A	WSAM0909KA	WSAMW-9	9/27/2012	9/28/2012
K1209306-001B	WSAM0909KA	WSAMW-9	9/27/2012	9/28/2012
K1209306-001C	WSAM0909KA	WSAMW-9	9/27/2012	9/28/2012
K1209306-002A	WSAM1918KA	WL-WSAMW-19	9/27/2012	9/28/2012
K1209306-002B	WSAM1918KA	WL-WSAMW-19	9/27/2012	9/28/2012
K1209306-002C	WSAM1918KA	WL-WSAMW-19	9/27/2012	9/28/2012
K1209306-003A	WSAM2124KA	WL-WSAMW-21	9/27/2012	9/28/2012
K1209306-003B	WSAM2124KA	WL-WSAMW-21	9/27/2012	9/28/2012
K1209306-003C	WSAM2124KA	WL-WSAMW-21	9/27/2012	9/28/2012
K1209306-004A	WSAM2324KA	WL-WSAMW-23	9/27/2012	9/28/2012
K1209306-004B	WSAM2324KA	WL-WSAMW-23	9/27/2012	9/28/2012
K1209306-004C	WSAM2324KA	WL-WSAMW-23	9/27/2012	9/28/2012
K1209306-005A	WSAM1814KA	WL-WSAMW-18	9/27/2012	9/28/2012

Life Science Laboratories, Inc.

Date: *06-Nov-12*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1210053

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1210053-001A	817M0111KA	B817-MW-001	10/1/2012	10/3/2012
K1210053-002A	817M0210KA	B817-MW-002	10/1/2012	10/3/2012
K1210053-003A	817M0310KA	B817-MW-003	10/1/2012	10/3/2012

Life Science Laboratories, Inc.

Lab Order: K1209296
Client: FPM Group
Project: Griffiss AFB - Building 817

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209296-001A	LAWM0912KA	9/26/2012 3:11:00 PM	Groundwater	Inorganic anions by IC			10/12/2012
K1209296-001B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209296-001C				Dissolved organic carbon (DOC)			10/11/2012
K1209296-002A	WSAM0809KA	9/26/2012 11:01:00 AM		Inorganic anions by IC			10/12/2012
K1209296-002B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209296-002C				Dissolved organic carbon (DOC)			10/11/2012
K1209296-003A	WSAM1615KA	9/26/2012 11:45:00 AM		Inorganic anions by IC			10/11/2012
K1209296-003B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209296-003C				Dissolved organic carbon (DOC)			10/11/2012
K1209296-004A	WSAM1615KC			Inorganic anions by IC			10/11/2012
K1209296-004B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209296-004C				Dissolved organic carbon (DOC)			10/11/2012
K1209296-005A	WSAM1722KA	9/26/2012 4:15:00 PM		Inorganic anions by IC			10/11/2012
K1209296-005B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209296-005C				Dissolved organic carbon (DOC)			10/11/2012
K1209296-006A	WSAM1814KA	9/26/2012 2:19:00 PM		Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209296-006B				Dissolved organic carbon (DOC)			10/11/2012

Lab Order: K1209306
Client: FPM Group
Project: Griffiss AFB - Building 817

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209306-001A	WSAM0909KA	9/27/2012 1:29:00 PM	Groundwater	Inorganic anions by IC			10/11/2012
K1209306-001B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209306-001C				Dissolved organic carbon (DOC)			10/11/2012
K1209306-002A	WSAM1918KA	9/27/2012 11:01:00 AM		Inorganic anions by IC			10/11/2012
K1209306-002B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209306-002C				Dissolved organic carbon (DOC)			10/11/2012
K1209306-003A	WSAM2124KA	9/27/2012 2:25:00 PM		Inorganic anions by IC			10/11/2012
K1209306-003B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209306-003C				Dissolved organic carbon (DOC)			10/11/2012
K1209306-004A	WSAM2324KA	9/27/2012 3:17:00 PM		Inorganic anions by IC			10/11/2012
K1209306-004B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209306-004C				Dissolved organic carbon (DOC)			10/11/2012
K1209306-005A	WSAM1814KA	9/27/2012 12:39:00 PM		Inorganic anions by IC			10/11/2012

Life Science Laboratories, Inc.

Lab Order: K1210053
Client: FPM Group
Project: Griffiss AFB - Building 817

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1210053-001A	817M0111KA	10/1/2012 4:10:00 PM	Groundwater	Dissolved organic carbon (DOC)			10/12/2012
				Dissolved organic carbon (DOC)			10/12/2012
K1210053-002A	817M0210KA	10/1/2012 4:20:00 PM		Dissolved organic carbon (DOC)			10/12/2012
K1210053-003A	817M0310KA	10/1/2012 3:45:00 PM		Dissolved organic carbon (DOC)			10/12/2012

External Chain of Custody

K1209296

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: K Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
01	LAWM0912KA	LAWMW-9	9/26	1511	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
02	WSAM0809KA	WSAMW-8	9/26	1101	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
03	WSAM1615KA	WSA-MW16	9/26	1145	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
04	WSAM1615KC	WSA-MW16	9/26	1145	WG	BP	FD	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
03	WSAM1615KS	WSA-MW16	9/26	1145	WG	BP	MS	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
03	WSAM1615KD	WSA-MW16	9/26	1145	WG	BP	SD	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
05	WSAM1722KA	WL-WSAVMW-17	9/26	1615	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered 40mL VOA
06	WSAM1814KA	WL-WSAMW-18	9/26	1419	WG	BP	N	0/0	6	3	X	1	2	DOC, unpreserved, unfiltered 40mL VOA

Sample Condition Upon Receipt at Laboratory: Cooler temperature: <6.0°C

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 9/27/12	#3 Released by: (Sig)	Date: 9-27-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0930	Company Name:	Time: 12.00
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/29/2012	#2 Received by: (Sig)	Date: 9/27/12	#3 Received by: (Sig)	Date: 9-27-12
Company Name: FPM Group Ltd	Time: 1000	Company Name:	Time: 9.30	Company Name:	Time: 12:00

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **9/27/2012 12:00:00 PM**

Work Order Number: **K1209296**

Received by: gis

Checklist completed by: BS 9-27-12 (Initials / Date)

Reviewed by: Ae 9-28-12 (Initials / Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

K1209306

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
WSAM0909KA	WSAMW-9	9/27	1329	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
WSAM1918KA	WL-WSAMW-19	9/27	1101	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
WSAM2124KA	WL-WSAMW-21	9/27	1425	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
WSAM2324KA	WL-WSAMW-23	9/27	1517	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
WSAM1814KA	WL-WSAMW-18	9/27	1239	WG	BP	N	0/0	1	-	1	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 4.0 °C on ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) KMattice	Date: 9/28/12	#3 Released by: (Sig) Bill Donaldson	Date: 9-28-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 1015	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/29/2012	#2 Received by: (Sig) Bill Donaldson	Date: 9-28-12	#3 Received by: (Sig)	Date: 15:00 9-28-12
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 10:15	Company Name: LSL	Time: 15:00

K1209306

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
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SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **9/28/2012 3:00:00 PM**

Work Order Number: **K1209306**

Received by: gis

Checklist completed by: GS (Initials) 9-28-12 (Date)

Reviewed by: AC (Initials) 10-1-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

K1210053

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
817M0111 KA	B817-MW-001	10/1	1610	WG	BP	N	0/0	1	-	-	1	-	Samples are unfiltered and unpreserved
817M0210 KA	B817-MW-002	10/1	1620	WG	BP	N	0/0	1	-	-	1	-	
817M0310 KA	B817-MW-003	10/1	1545	WG	BP	N	0/0	1	-	-	1	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 3.0° on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/3/12	#3 Released by: (Sig) Bill Donelson	Date: 10-3-12
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 0940	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 9/14	#2 Received by: (Sig) Bill Donelson	Date: 10-3-12	#3 Received by: (Sig)	Date: 10-3-12
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 9:45	Company Name: LSL	Time: 16:45

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **10/4/2012 4:45:00 PM**

Work Order Number: **K1210053**

Received by: gis

Checklist completed by: GS (Initials) 10-4-12 (Date)

Reviewed by: AC (Initials) 10-4-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

DOC samples are unfiltered and unpreserved. (GIS 10/4/12)

Corrective Action:

Client/Project FPM / 1209296 Rec'd 9-27-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1209296-001→6	B/A			Stored in Fridge 1B	8260	9/27/12 1530
K1209296-001→6	B		CW	10/2/12 0915	8260	NR
K1209296-003	B		CW	10/3/12 0645	8260	NR
K1209296-001-5	B		CMT	10/8/12 0805	RSK 175	NR
K1209296-001→006	A		MTJ	10/11/12 0900	5310B	10/11/12 1600
K1209296-001→006	A		MJ	10/11/12 1100	9056	10/11/12 1600

Client/Project FAM / K1209306 Read 9/28/12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1209306-001→4	B/A	(LW) 9/28/12		Stored in Fridge 1B	8260	9/28/12 1715
K1209306-001→4	B		(LW)	10/3/12 0945	8260	NR
K1209306-001-4	B		CAS	10/8/12 0800	RSK175	NR
K1209306-001→004	C		NT	10/11/12 900	5310B	10/11/12 1600
K1209306-001→004	A		NT	10/11/12 930	9056	10/11/12 1600

Client/Project FPM / K1210053 Rec'd 10-3-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1210053-001+003A	A		MT	10-12-12 08:20	5310B	10-12-12 1600

Analytical Results

GC/MS Volatile Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R24734

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
LAWM0912KA	K1209296-001B
WSAM0809KA	K1209296-002B
WSAM1615KC	K1209296-004B
WSAM1722KA	K1209296-005B
WSAM1814KA	K1209296-006A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24736

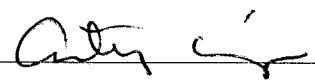
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM1615KA	K1209296-003B
WSAM1615KA	K1209296-003BMS
WSAM1615KA	K1209296-003BMSD
WSAM0909KA	K1209306-001B
WSAM1918KA	K1209306-002B
WSAM2124KA	K1209306-003B
WSAM2324KA	K1209306-004B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-3-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0577.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0577.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.170	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.300	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	4.96	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0577.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	236170	121878 - 487512	
Chlorobenzene-d5	522620	242134 - 968538	
Fluorobenzene	1331984	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0578.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0578.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.110	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	3.31	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0578.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	106	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	232796	121878 - 487512	
Chlorobenzene-d5	510094	242134 - 968538	
Fluorobenzene	1306420	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0592.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.250	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0592.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.610	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.170	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	40.3	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	29.4	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0592.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	246487	121878 - 487512	
Chlorobenzene-d5	525237	242134 - 968538	
Fluorobenzene	1341923	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003BMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0588.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	20.0	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	10.3	1		
1,1,1-Trichloroethane	0.100	1.00	10.4	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	9.86	1		
1,1,2-Trichloroethane	0.160	1.00	9.82	1		
1,1-Dichloroethane	0.100	1.00	10.4	1		
1,1-Dichloroethene	0.160	1.00	10.2	1		
1,1-Dichloropropene	0.100	1.00	10.2	1		
1,2,3-Trichlorobenzene	0.100	1.00	8.87	1		
1,2,3-Trichloropropane	0.330	2.00	10.2	1		
1,2,4-Trichlorobenzene	0.100	1.00	8.97	1		
1,2,4-Trimethylbenzene	0.100	1.00	10.6	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	10.3	1		
1,2-Dibromoethane	0.160	1.00	9.55	1		
1,2-Dichlorobenzene	0.100	1.00	9.72	1		
1,2-Dichloroethane	0.160	0.500	10.0	1		
1,2-Dichloropropane	0.160	1.00	9.86	1		
1,3,5-Trimethylbenzene	0.100	1.00	10.2	1		
1,3-Dichlorobenzene	0.100	1.00	9.98	1		
1,3-Dichloropropane	0.100	0.500	9.59	1		
1,4-Dichlorobenzene	0.160	0.500	10.0	1		
1-Chlorohexane	0.160	1.00	10.1	1		
2,2-Dichloropropane	0.330	1.00	9.78	1		
2-Butanone	1.00	10.0	17.0	1		
2-Chlorotoluene	0.100	1.00	11.5	1		Q
4-Chlorotoluene	0.100	1.00	10.3	1		
4-Methyl-2-pentanone	1.00	10.0	16.8	1		
Acetone	1.00	10.0	15.7	1		
Benzene	0.100	0.500	10.0	1		
Bromobenzene	0.100	1.00	9.36	1		
Bromochloromethane	0.100	1.00	9.09	1		
Bromodichloromethane	0.100	0.500	10.4	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003BMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0588.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	10.2	1		
Bromomethane	0.330	3.00	8.29	1		
Carbon tetrachloride	0.100	1.00	10.6	1		
Chlorobenzene	0.100	0.500	9.63	1		
Chloroethane	0.330	1.00	9.49	1		
Chloroform	0.100	0.500	10.1	1		
Chloromethane	0.330	1.00	9.32	1		
cis-1,2-Dichloroethene	0.100	1.00	10.6	1		
cis-1,3-Dichloropropene	0.160	0.500	9.54	1		
Dibromochloromethane	0.100	0.500	10.2	1		
Dibromomethane	0.160	1.00	9.67	1		
Dichlorodifluoromethane	0.100	1.00	9.83	1		
Ethylbenzene	0.100	1.00	10.4	1		
Hexachlorobutadiene	0.100	1.00	9.07	1		
Isopropylbenzene	0.100	1.00	11.4	1		
Methyl tert-butyl ether	0.160	5.00	9.40	1		
Methylene chloride	0.160	1.00	9.13	1		
n-Butylbenzene	0.100	1.00	10.6	1		
n-Propylbenzene	0.100	1.00	10.9	1		
Naphthalene	0.100	1.00	8.86	1		
o-Xylene	0.100	1.00	9.75	1		
p-Isopropyltoluene	0.160	1.00	10.3	1		
sec-Butylbenzene	0.160	1.00	10.6	1		
Styrene	0.100	1.00	9.79	1		
tert-Butylbenzene	0.100	1.00	10.4	1		
Tetrachloroethene	0.100	1.00	49.5	1		
Toluene	0.100	1.00	9.66	1		
trans-1,2-Dichloroethene	0.100	1.00	10.2	1		
trans-1,3-Dichloropropene	0.160	1.00	9.95	1		
Trichloroethene	0.100	1.00	39.8	1		
Trichlorofluoromethane	0.100	1.00	10.2	1		
Vinyl chloride	0.330	1.00	11.4	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003BMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0588.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	29.7	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	98	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	294996	121878 - 487512	
Chlorobenzene-d5	584423	242134 - 968538	
Fluorobenzene	1407406	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003BMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0589.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	19.6	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	10.3	1		
1,1,1-Trichloroethane	0.100	1.00	10.4	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	10.0	1		
1,1,2-Trichloroethane	0.160	1.00	9.91	1		
1,1-Dichloroethane	0.100	1.00	10.4	1		
1,1-Dichloroethene	0.160	1.00	10.1	1		
1,1-Dichloropropene	0.100	1.00	10.1	1		
1,2,3-Trichlorobenzene	0.100	1.00	8.78	1		
1,2,3-Trichloropropane	0.330	2.00	10.3	1		
1,2,4-Trichlorobenzene	0.100	1.00	8.95	1		
1,2,4-Trimethylbenzene	0.100	1.00	10.4	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	10.9	1		
1,2-Dibromoethane	0.160	1.00	9.67	1		
1,2-Dichlorobenzene	0.100	1.00	9.71	1		
1,2-Dichloroethane	0.160	0.500	10.0	1		
1,2-Dichloropropane	0.160	1.00	9.88	1		
1,3,5-Trimethylbenzene	0.100	1.00	9.95	1		
1,3-Dichlorobenzene	0.100	1.00	9.88	1		
1,3-Dichloropropane	0.100	0.500	9.82	1		
1,4-Dichlorobenzene	0.160	0.500	9.85	1		
1-Chlorohexane	0.160	1.00	10.1	1		
2,2-Dichloropropane	0.330	1.00	9.79	1		
2-Butanone	1.00	10.0	17.7	1		
2-Chlorotoluene	0.100	1.00	11.4	1		Q
4-Chlorotoluene	0.100	1.00	10.1	1		
4-Methyl-2-pentanone	1.00	10.0	17.5	1		
Acetone	1.00	10.0	16.6	1		
Benzene	0.100	0.500	10.0	1		
Bromobenzene	0.100	1.00	9.51	1		
Bromochloromethane	0.100	1.00	9.31	1		
Bromodichloromethane	0.100	0.500	10.5	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003BMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0589.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	10.4	1		
Bromomethane	0.330	3.00	8.38	1		
Carbon tetrachloride	0.100	1.00	10.5	1		
Chlorobenzene	0.100	0.500	9.63	1		
Chloroethane	0.330	1.00	9.55	1		
Chloroform	0.100	0.500	10.2	1		
Chloromethane	0.330	1.00	9.26	1		
cis-1,2-Dichloroethene	0.100	1.00	10.6	1		
cis-1,3-Dichloropropene	0.160	0.500	9.58	1		
Dibromochloromethane	0.100	0.500	10.2	1		
Dibromomethane	0.160	1.00	9.86	1		
Dichlorodifluoromethane	0.100	1.00	9.76	1		
Ethylbenzene	0.100	1.00	10.3	1		
Hexachlorobutadiene	0.100	1.00	9.02	1		
Isopropylbenzene	0.100	1.00	11.3	1		
Methyl tert-butyl ether	0.160	5.00	9.58	1		
Methylene chloride	0.160	1.00	9.11	1		
n-Butylbenzene	0.100	1.00	10.2	1		
n-Propylbenzene	0.100	1.00	10.7	1		
Naphthalene	0.100	1.00	8.76	1		
o-Xylene	0.100	1.00	9.59	1		
p-Isopropyltoluene	0.160	1.00	10.2	1		
sec-Butylbenzene	0.160	1.00	10.3	1		
Styrene	0.100	1.00	9.68	1		
tert-Butylbenzene	0.100	1.00	10.2	1		
Tetrachloroethene	0.100	1.00	48.6	1		
Toluene	0.100	1.00	9.62	1		
trans-1,2-Dichloroethene	0.100	1.00	10.2	1		
trans-1,3-Dichloropropene	0.160	1.00	9.98	1		
Trichloroethene	0.100	1.00	39.1	1		
Trichlorofluoromethane	0.100	1.00	10.2	1		
Vinyl chloride	0.330	1.00	11.2	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003BMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0589.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	29.2	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	100	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	307235	121878 - 487512	
Chlorobenzene-d5	616128	242134 - 968538	
Fluorobenzene	1486840	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0579.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.240	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0579.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.610	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	39.4	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	28.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0579.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	227956	121878 - 487512	
Chlorobenzene-d5	492127	242134 - 968538	
Fluorobenzene	1255745	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0580.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0580.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.180	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.170	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	13.4	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	17.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0580.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	234457	121878 - 487512	
Chlorobenzene-d5	510047	242134 - 968538	
Fluorobenzene	1291783	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0581.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.150	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0581.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.110	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.690	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.170	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	39.7	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	30.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0581.D
Date Received:	27-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	233151	121878 - 487512	
Chlorobenzene-d5	534276	242134 - 968538	
Fluorobenzene	1341147	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0599.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.600	6.00	0.600	3		U
1,1,1,2-Tetrachloroethane	0.480	1.50	0.480	3		U
1,1,1-Trichloroethane	0.300	3.00	0.300	3		U
1,1,2,2-Tetrachloroethane	0.300	1.50	0.300	3		U
1,1,2-Trichloroethane	0.480	3.00	0.480	3		U
1,1-Dichloroethane	0.300	3.00	0.300	3		U
1,1-Dichloroethene	0.480	3.00	0.480	3		U
1,1-Dichloropropene	0.300	3.00	0.300	3		U
1,2,3-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,3-Trichloropropane	0.990	6.00	0.990	3		U
1,2,4-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,4-Trimethylbenzene	0.300	3.00	0.300	3		U
1,2-Dibromo-3-chloropropane	3.00	15.0	3.00	3		U
1,2-Dibromoethane	0.480	3.00	0.480	3		U
1,2-Dichlorobenzene	0.300	3.00	0.300	3		U
1,2-Dichloroethane	0.480	1.50	0.480	3		U
1,2-Dichloropropane	0.480	3.00	0.480	3		U
1,3,5-Trimethylbenzene	0.300	3.00	0.300	3		U
1,3-Dichlorobenzene	0.300	3.00	0.300	3		U
1,3-Dichloropropane	0.300	1.50	0.300	3		U
1,4-Dichlorobenzene	0.480	1.50	0.480	3		U
1-Chlorohexane	0.480	3.00	0.480	3		U
2,2-Dichloropropane	0.990	3.00	0.990	3		U
2-Butanone	3.00	30.0	3.00	3		U
2-Chlorotoluene	0.300	3.00	0.300	3		U
4-Chlorotoluene	0.300	3.00	0.300	3		U
4-Methyl-2-pentanone	3.00	30.0	3.00	3		U
Acetone	3.00	30.0	4.02	3		F
Benzene	0.300	1.50	0.300	3		U
Bromobenzene	0.300	3.00	0.300	3		U
Bromochloromethane	0.300	3.00	0.300	3		U
Bromodichloromethane	0.300	1.50	0.300	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0599.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.990	3.00	0.990	3		U
Bromomethane	0.990	9.00	0.990	3		U
Carbon tetrachloride	0.300	3.00	0.300	3		U
Chlorobenzene	0.300	1.50	0.300	3		U
Chloroethane	0.990	3.00	0.990	3		U
Chloroform	0.300	1.50	0.300	3		U
Chloromethane	0.990	3.00	0.990	3		U
cis-1,2-Dichloroethene	0.300	3.00	0.300	3		U
cis-1,3-Dichloropropene	0.480	1.50	0.480	3		U
Dibromochloromethane	0.300	1.50	0.300	3		U
Dibromomethane	0.480	3.00	0.480	3		U
Dichlorodifluoromethane	0.300	3.00	0.300	3		U
Ethylbenzene	0.300	3.00	0.300	3		U
Hexachlorobutadiene	0.300	3.00	0.300	3		U
Isopropylbenzene	0.300	3.00	0.300	3		U
Methyl tert-butyl ether	0.480	15.0	0.480	3		U
Methylene chloride	0.480	3.00	0.600	3		F
n-Butylbenzene	0.300	3.00	0.300	3		U
n-Propylbenzene	0.300	3.00	0.300	3		U
Naphthalene	0.300	3.00	0.300	3		U
o-Xylene	0.300	3.00	0.300	3		U
p-Isopropyltoluene	0.480	3.00	0.480	3		U
sec-Butylbenzene	0.480	3.00	0.480	3		U
Styrene	0.300	3.00	0.300	3		U
tert-Butylbenzene	0.300	3.00	0.300	3		U
Tetrachloroethene	0.300	3.00	0.300	3		U
Toluene	0.300	3.00	0.300	3		U
trans-1,2-Dichloroethene	0.300	3.00	0.300	3		U
trans-1,3-Dichloropropene	0.480	3.00	0.480	3		U
Trichloroethene	0.300	3.00	0.300	3		U
Trichlorofluoromethane	0.300	3.00	0.300	3		U
Vinyl chloride	0.990	3.00	0.990	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0599.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.900	6.00	0.900	3		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	235237	121878 - 487512	
Chlorobenzene-d5	513711	242134 - 968538	
Fluorobenzene	1290746	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0600.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.230	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.13	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0600.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.190	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	42.5	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	52.4	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0600.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	225391	121878 - 487512	
Chlorobenzene-d5	483484	242134 - 968538	
Fluorobenzene	1206936	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0601.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.06	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0601.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.710	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	10.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0601.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	228918	121878 - 487512	
Chlorobenzene-d5	501059	242134 - 968538	
Fluorobenzene	1253794	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0602.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.79	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0602.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.190	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0602.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	223932	121878 - 487512	
Chlorobenzene-d5	485058	242134 - 968538	
Fluorobenzene	1207130	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	**AAB #:**	
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Date of Initial Calibration:**	17-Jul-2012
Initial Calibration ID:	1853	**Concentration Units (ug/L or mg/kg):**	ug/L

SEE ATTACHED

Comments:

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:27:43 2012
Response via : Continuing Calibration

Calibration Files
0.25 =K0440.D 0.50 =K0441.D 1.0 =K0442.D
2.0 =K0443.D 10 =K0444.D 20 =K0446.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------		
2)		Dichlorodifluoromet	0.359	0.356	0.347	0.345	0.378	0.343	0.351	5.11
3)	P	Chloromethane		0.469	0.436	0.428	0.426	0.400	0.406	9.35
4)	CP	Vinyl chloride	0.555	0.510	0.521	0.497	0.527	0.500	0.495	7.78
5)		Bromomethane	0.153	0.186	0.184	0.198	0.199	0.178	0.175	9.69
6)		Chloroethane	0.222	0.220	0.228	0.225	0.235	0.228	0.224	3.79
7)		Trichlorofluorometh	0.420	0.405	0.416	0.395	0.429	0.413	0.411	4.06
8)	CPM	1,1-Dichloroethene	0.240	0.228	0.234	0.222	0.236	0.228	0.231	3.87
9)		Carbon disulfide	0.929	0.819	0.808	0.798	0.902	0.888	0.859	5.75
10)		1,1,2-Trichloro-1,2	0.262	0.269	0.253	0.239	0.257	0.246	0.254	5.18
11)		Methyl iodide		0.079	0.123	0.171	0.248	0.281	0.238	38.34
12)		Acrolein	0.009	0.008	0.006	0.007	0.007	0.006	0.007	20.33
13)		Methylene chloride			0.355	0.318	0.297	0.273	0.289	11.95
14)		Acetone				0.051	0.030	0.032	0.034	22.94
15)		tert-Butyl alcohol		0.006	0.006	0.006	0.006	0.007	0.007	7.34
16)		trans-1,2-Dichloroe	0.269	0.246	0.249	0.248	0.261	0.255	0.254	3.99
17)		Methyl acetate		0.175	0.172	0.148	0.130	0.126	0.137	17.05
18)		Methyl tert-Butyl e	0.522	0.513	0.501	0.503	0.505	0.499	0.505	3.73
19)	P	1,1-Dichloroethane	0.501	0.496	0.486	0.496	0.512	0.496	0.491	3.69
20)		Acrylonitrile	0.037	0.038	0.040	0.042	0.043	0.043	0.041	6.11
21)		Vinyl acetate	0.344	0.316	0.301	0.300	0.304	0.304	0.311	5.51
22)		cis-1,2-Dichloroeth	0.263	0.278	0.266	0.276	0.284	0.279	0.276	3.89
23)		2,2-Dichloropropane	0.417	0.391	0.384	0.380	0.406	0.393	0.394	4.35
24)		Bromochloromethane	0.082	0.085	0.091	0.097	0.100	0.101	0.098	10.11
25)		Cyclohexane	0.508	0.508	0.499	0.470	0.508	0.481	0.494	4.59
26)	CP	Chloroform	0.521	0.488	0.477	0.480	0.503	0.491	0.493	4.00
27)		Carbon tetrachlorid	0.261	0.252	0.256	0.249	0.281	0.272	0.275	7.91
28)		Tetrahydrofuran			0.046	0.040	0.035	0.036	0.037	12.71
29)		1,1,1-Trichloroetha	0.362	0.362	0.362	0.368	0.399	0.393	0.384	5.66
30)		2-Butanone			0.052	0.053	0.046	0.048	0.049	6.75
31)		1,1-Dichloropropene	0.389	0.372	0.380	0.375	0.398	0.389	0.385	3.85
32)	M	Benzene	1.101	1.078	1.087	1.097	1.130	1.104	1.088	3.56
33)	S	1,2-Dichloroethane-	0.269	0.247	0.249	0.258	0.261	0.258	0.257	4.01
34)		1,2-Dichloroethane	0.275	0.287	0.285	0.298	0.303	0.301	0.294	4.34
35)		Methylcyclohexane	0.467	0.433	0.423	0.401	0.435	0.421	0.435	6.02
36)	M	Trichloroethene	0.269	0.257	0.263	0.258	0.280	0.278	0.277	6.57
37)		Dibromomethane	0.092	0.094	0.100	0.103	0.111	0.112	0.107	9.44
38)	CP	1,2-Dichloropropane	0.259	0.253	0.256	0.258	0.273	0.269	0.265	4.31
39)		Bromodichloromethan	0.265	0.255	0.252	0.250	0.289	0.294	0.285	10.12
40)		2-Chloroethylvinyl	0.086	0.089	0.093	0.097	0.103	0.102	0.099	8.10
41)		cis-1,3-Dichloropro	0.321	0.314	0.314	0.316	0.362	0.370	0.353	10.02
42)	CPM	Toluene	0.652	0.631	0.651	0.650	0.683	0.669	0.649	3.99
43)		4-Methyl-2-pentanon		0.123	0.116	0.117	0.115	0.117	0.118	4.77

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

7/19/12

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:27:43 2012
Response via : Continuing Calibration

Calibration Files
0.25 =K0440.D 0.50 =K0441.D 1.0 =K0442.D
2.0 =K0443.D 10 =K0444.D 20 =K0446.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
44)		trans-1,3-Dichlorop	0.195	0.214	0.208	0.223	0.270	0.281	0.264	19.54
45)		1,1,2-Trichloroetha	0.106	0.122	0.120	0.130	0.140	0.140	0.133	10.89
46)		2-Hexanone	0.085	0.082	0.073	0.072	0.073	0.074	0.076	7.31
47)	I	Chlorobenzene-d5	----------			ISTD	----------			
48)	S	Toluene-d8	2.551	2.303	2.260	2.227	2.193	2.060	2.183	8.26
49)		Tetrachloroethene	0.541	0.500	0.509	0.519	0.530	0.511	0.528	5.76
50)		Dibromochloromethan	0.246	0.248	0.258	0.268	0.310	0.315	0.311	18.13
51)		1,3-Dichloropropane	0.701	0.694	0.675	0.697	0.686	0.659	0.682	4.45
52)		1,2-Dibromoethane	0.263	0.294	0.300	0.311	0.325	0.314	0.314	8.82
53)		1-Chlorohexane	0.907	0.798	0.829	0.776	0.804	0.756	0.797	6.73
54)	PM	Chlorobenzene	1.671	1.637	1.631	1.614	1.599	1.506	1.538	8.80
55)	CP	Ethylbenzene	3.084	2.778	2.812	2.782	2.708	2.565	2.697	7.36
56)		1,1,1,2-Tetrachloro	0.345	0.339	0.358	0.364	0.416	0.413	0.389	9.94
57)		(m+p)-Xylene	0.993	0.939	0.964	0.941	0.939	0.904	0.917	7.63
58)		o-Xylene	0.902	0.913	0.894	0.923	0.922	0.898	0.918	4.92
59)		Styrene	1.409	1.370	1.416	1.425	1.474	1.429	1.411	4.84
60)	P	Bromoform		0.073	0.088	0.089	0.111	0.117	0.111	23.61
61)	I	1,4-Dichlorobenzene-d	----------			ISTD	----------			
62)		Isopropylbenzene	4.878	4.362	4.380	4.360	4.523	4.221	4.227	8.95
63)	S	Bromofluorobenzene	0.970	0.898	0.915	0.884	0.919	0.869	0.882	5.87
64)		Bromobenzene	0.965	0.939	1.007	1.005	1.060	1.001	0.972	5.88
65)		n-Propylbenzene	5.396	4.861	4.777	4.838	5.092	4.819	4.759	7.64
66)	P	1,1,2,2-Tetrachloro	0.677	0.683	0.684	0.709	0.722	0.685	0.672	5.96
67)		2-Chlorotoluene	3.515	3.226	3.250	3.254	3.298	3.138	3.089	11.42
68)		1,3,5-Trimethylbenz	2.776	2.524	2.547	2.496	2.671	2.631	2.601	4.49
69)		1,2,3-Trichloroprop	0.154	0.119	0.160	0.172	0.193	0.181	0.162	14.98
70)		trans-1,4-Dichloro-			0.033	0.039	0.062	0.064	0.061	26.55
71)		4-Chlorotoluene	3.292	3.019	2.976	2.975	3.105	2.944	2.945	6.59
72)		tert-Butylbenzene	2.826	2.518	2.504	2.521	2.649	2.520	2.512	6.34
73)		1,2,4-Trimethylbenz	2.276	2.107	2.091	2.073	2.286	2.280	2.209	5.05
74)		sec-Butylbenzene	4.113	3.642	3.572	3.639	3.911	3.716	3.658	6.66
75)		p-Isopropyltoluene	2.729	2.370	2.376	2.330	2.581	2.538	2.490	5.62
76)		1,3-Dichlorobenzene	1.720	1.683	1.627	1.656	1.727	1.670	1.662	3.76
77)		1,4-Dichlorobenzene	1.734	1.561	1.553	1.535	1.597	1.562	1.567	4.95
78)		n-Butylbenzene	2.227	1.912	1.867	1.855	2.139	2.134	2.045	7.11
79)		1,2-Dichlorobenzene	1.497	1.351	1.376	1.434	1.497	1.461	1.432	4.33
80)		1,2-Dibromo-3-chlor			0.036	0.066	0.065	0.065	0.064	18.23
81)		Hexachlorobutadiene	0.425	0.337	0.362	0.308	0.348	0.347	0.350	9.35
82)		1,2,4-Trichlorobenz	0.336	0.398	0.381	0.407	0.456	0.486	0.445	14.13
83)		Naphthalene		0.469	0.486	0.498	0.554	0.604	0.574	13.96
84)		1,2,3-Trichlorobenz	0.254	0.261	0.311	0.295	0.340	0.361	0.330	15.09

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

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrate
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:29:23 2012
Response via : Continuing Calibration

Calibration Files
30 =K0447.D 40 =K0448.D 60 =K0450.D
80 =K0452.D

		Compound	30	40	60	80
			ISTD			
1)	I	Fluorobenzene				
2)		Dichlorodifluoromet	0.369	0.351	0.311	0.354
3)	P	Chloromethane	0.392	0.389	0.340	0.375
4)	CP	Vinyl chloride	0.491	0.477	0.419	0.454
5)		Bromomethane	0.170	0.172	0.150	0.163
6)		Chloroethane	0.226	0.226	0.203	0.229
7)		Trichlorofluorometh	0.423	0.413	0.373	0.425
8)	CPM	1,1-Dichloroethene	0.234	0.234	0.213	0.244
9)		Carbon disulfide	0.890	0.887	0.793	0.879
10)		1,1,2-Trichloro-1,2	0.260	0.253	0.229	0.271
11)		Methyl iodide	0.300	0.313	0.288	0.337
12)		Acrolein	0.005	0.006		
13)		Methylene chloride	0.272	0.275	0.244	0.274
14)		Acetone	0.031	0.031	0.028	0.033
15)		tert-Butyl alcohol	0.007	0.007	0.006	0.007
16)		trans-1,2-Dichloroe	0.256	0.258	0.233	0.263
17)		Methyl acetate	0.121	0.124	0.113	0.120
18)		Methyl tert-Butyl e	0.496	0.508	0.465	0.538
19)	P	1,1-Dichloroethane	0.494	0.493	0.443	0.497
20)		Acrylonitrile	0.043	0.043	0.039	0.045
21)		Vinyl acetate	0.303	0.313	0.289	0.336
22)		cis-1,2-Dichloroeth	0.281	0.283	0.257	0.292
23)		2,2-Dichloropropane	0.399	0.401	0.358	0.412
24)		Bromochloromethane	0.102	0.106	0.097	0.116
25)		Cyclohexane	0.506	0.493	0.445	0.522
26)	CP	Chloroform	0.494	0.500	0.454	0.518
27)		Carbon tetrachlorid	0.291	0.298	0.271	0.316
28)		Tetrahydrofuran	0.034	0.034	0.032	0.037
29)		1,1,1-Trichloroetha	0.401	0.404	0.367	0.419
30)		2-Butanone	0.047	0.048	0.045	0.053
31)		1,1-Dichloropropene	0.394	0.393	0.356	0.406
32)	M	Benzene	1.099	1.101	0.984	1.100
33)	S	1,2-Dichloroethane-	0.257	0.261	0.239	0.274
34)		1,2-Dichloroethane	0.298	0.302	0.278	0.315
35)		Methylcyclohexane	0.451	0.439	0.400	0.481
36)	M	Trichloroethene	0.285	0.292	0.269	0.317
37)		Dibromomethane	0.113	0.117	0.107	0.125
38)	CP	1,2-Dichloropropane	0.270	0.275	0.251	0.287
39)		Bromodichloromethan	0.303	0.313	0.290	0.336
40)		2-Chloroethylvinyl	0.101	0.105	0.097	0.113
41)		cis-1,3-Dichloropro	0.377	0.388	0.357	0.413
42)	CPM	Toluene	0.661	0.666	0.590	0.632
43)		4-Methyl-2-pentanon	0.115	0.118	0.109	0.129

(#) = Out of Range ### Number of calibration levels exceeded for
K717VOCW.M Thu Jul 19 07:29:28 2012

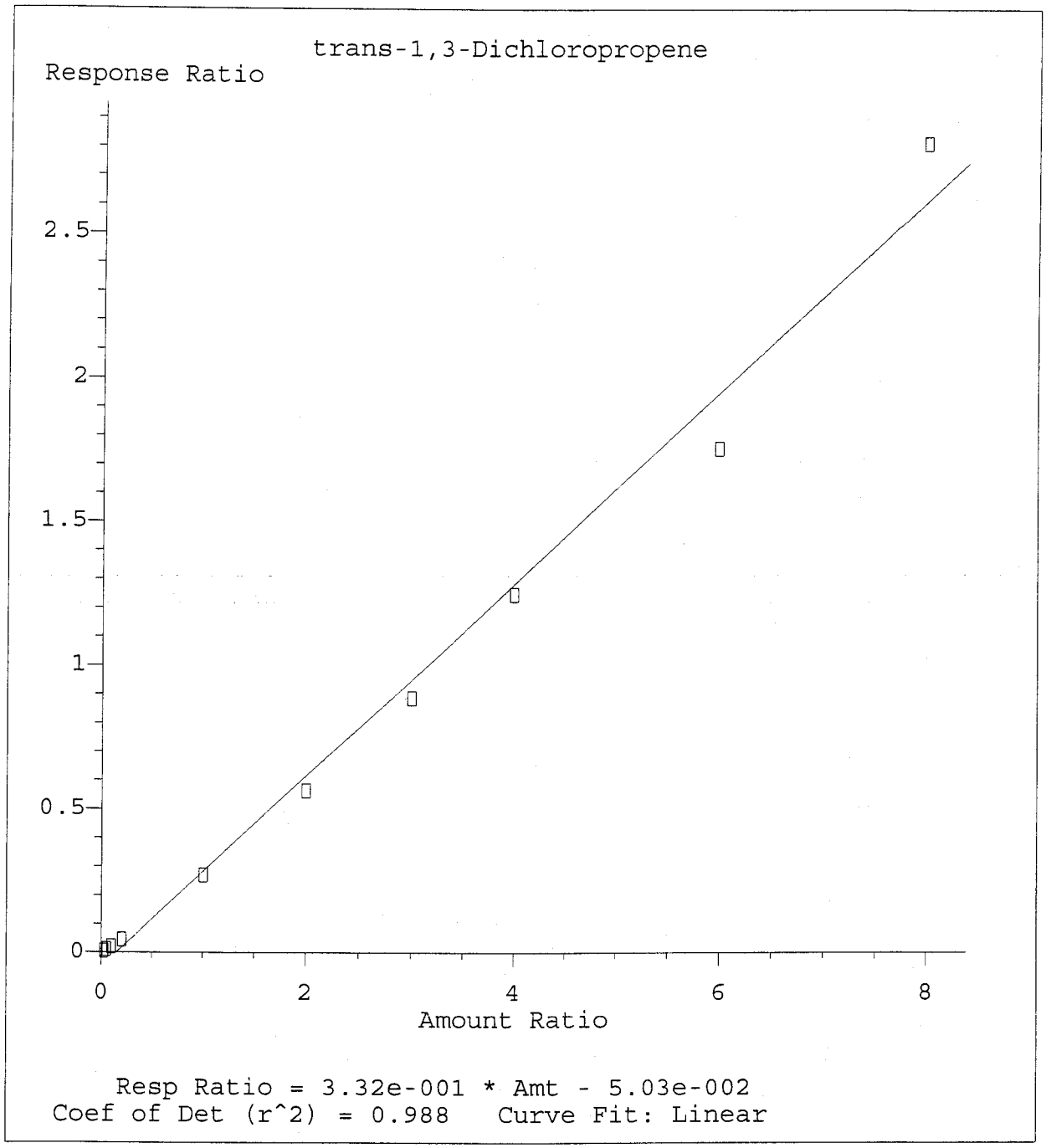
Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrat
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:29:23 2012
Response via : Continuing Calibration

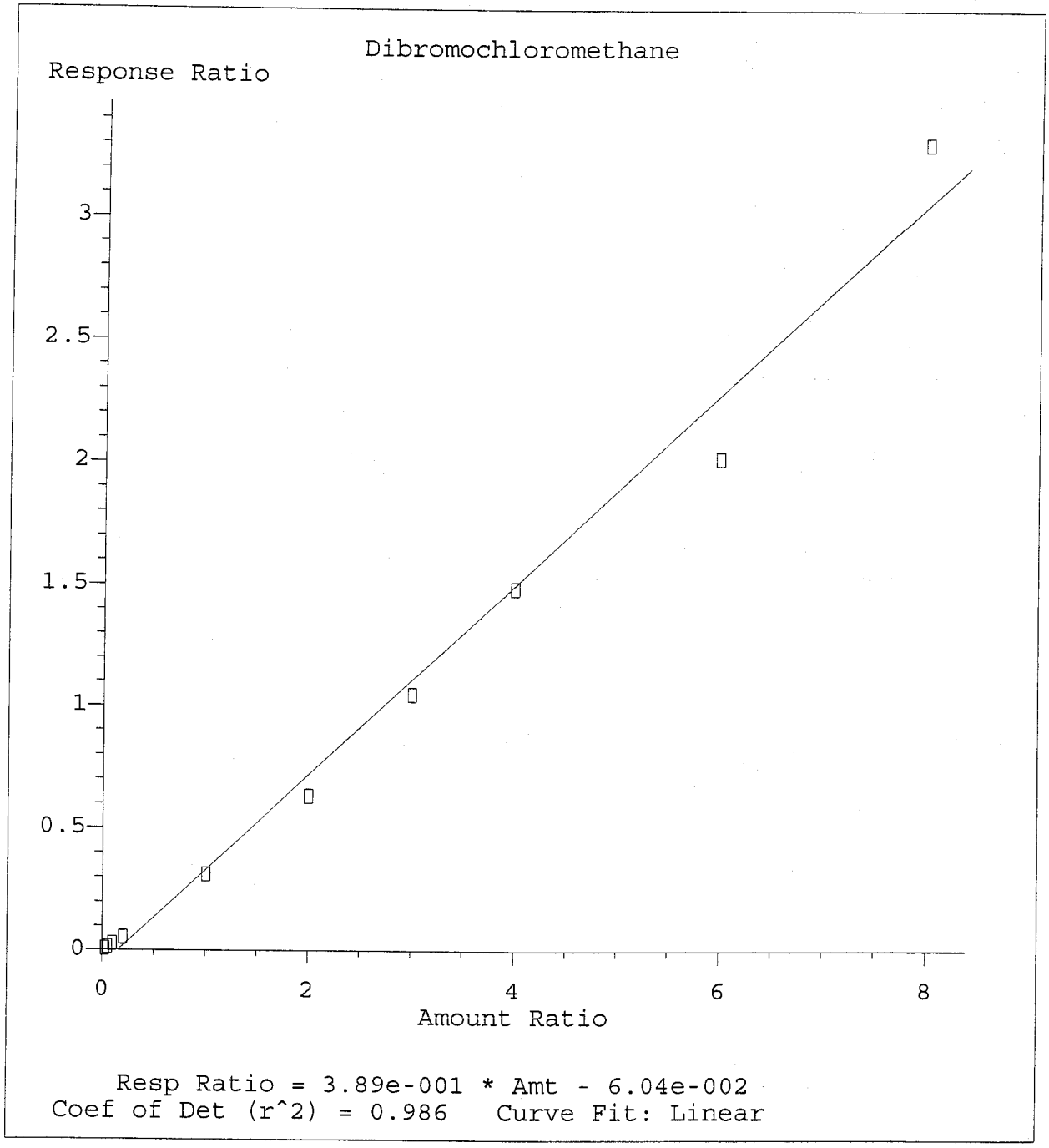
Calibration Files
30 =K0447.D 40 =K0448.D 60 =K0450.D
80 =K0452.D = =

		Compound	30	40	60	80
44)		trans-1,3-Dichlorop	0.295	0.311	0.292	0.351
45)		1,1,2-Trichloroetha	0.140	0.145	0.134	0.157
46)		2-Hexanone	0.074	0.076	0.070	0.084
47)	I	Chlorobenzene-d5	ISTD			
48)	S	Toluene-d8	2.126	2.135	1.848	2.132
49)		Tetrachloroethene	0.540	0.552	0.485	0.591
50)		Dibromochloromethan	0.348	0.370	0.335	0.412
51)		1,3-Dichloropropane	0.679	0.693	0.611	0.725
52)		1,2-Dibromoethane	0.330	0.341	0.299	0.363
53)		1-Chlorohexane	0.789	0.795	0.697	0.820
54)	PM	Chlorobenzene	1.555	1.578	1.296	1.297
55)	CP	Ethylbenzene	2.631	2.698	2.315	2.598
56)		1,1,1,2-Tetrachloro	0.437	0.451	0.381	0.386
57)		(m+p)-Xylene	0.938	0.961	0.772	0.813
58)		o-Xylene	0.920	0.961	0.835	1.009
59)		Styrene	1.465	1.513	1.292	1.320
60)	P	Bromoform	0.132	0.147	0.134	
61)	I	1,4-Dichlorobenzene-d	ISTD			
62)		Isopropylbenzene	4.189	4.066	3.554	3.741
63)	S	Bromofluorobenzene	0.885	0.866	0.776	0.837
64)		Bromobenzene	0.999	0.975	0.862	0.905
65)		n-Propylbenzene	4.758	4.641	4.097	4.311
66)	P	1,1,2,2-Tetrachloro	0.684	0.671	0.600	0.603
67)		2-Chlorotoluene	3.098	3.032	2.873	2.211
68)		1,3,5-Trimethylbenz	2.642	2.704	2.373	2.646
69)		1,2,3-Trichloroprop	0.184	0.175	0.153	0.127
70)		trans-1,4-Dichloro-	0.072	0.077	0.069	0.072
71)		4-Chlorotoluene	2.930	2.891	2.563	2.754
72)		tert-Butylbenzene	2.508	2.468	2.199	2.407
73)		1,2,4-Trimethylbenz	2.295	2.337	2.056	2.289
74)		sec-Butylbenzene	3.695	3.633	3.198	3.461
75)		p-Isopropyltoluene	2.554	2.570	2.291	2.564
76)		1,3-Dichlorobenzene	1.681	1.681	1.503	1.668
77)		1,4-Dichlorobenzene	1.567	1.568	1.412	1.578
78)		n-Butylbenzene	2.139	2.166	1.887	2.126
79)		1,2-Dichlorobenzene	1.463	1.465	1.318	1.461
80)		1,2-Dibromo-3-chlor	0.070	0.071	0.064	0.073
81)		Hexachlorobutadiene	0.352	0.354	0.307	0.354
82)		1,2,4-Trichlorobenz	0.484	0.517	0.453	0.532
83)		Naphthalene	0.612	0.669	0.580	0.696
84)		1,2,3-Trichlorobenz	0.360	0.387	0.336	0.400

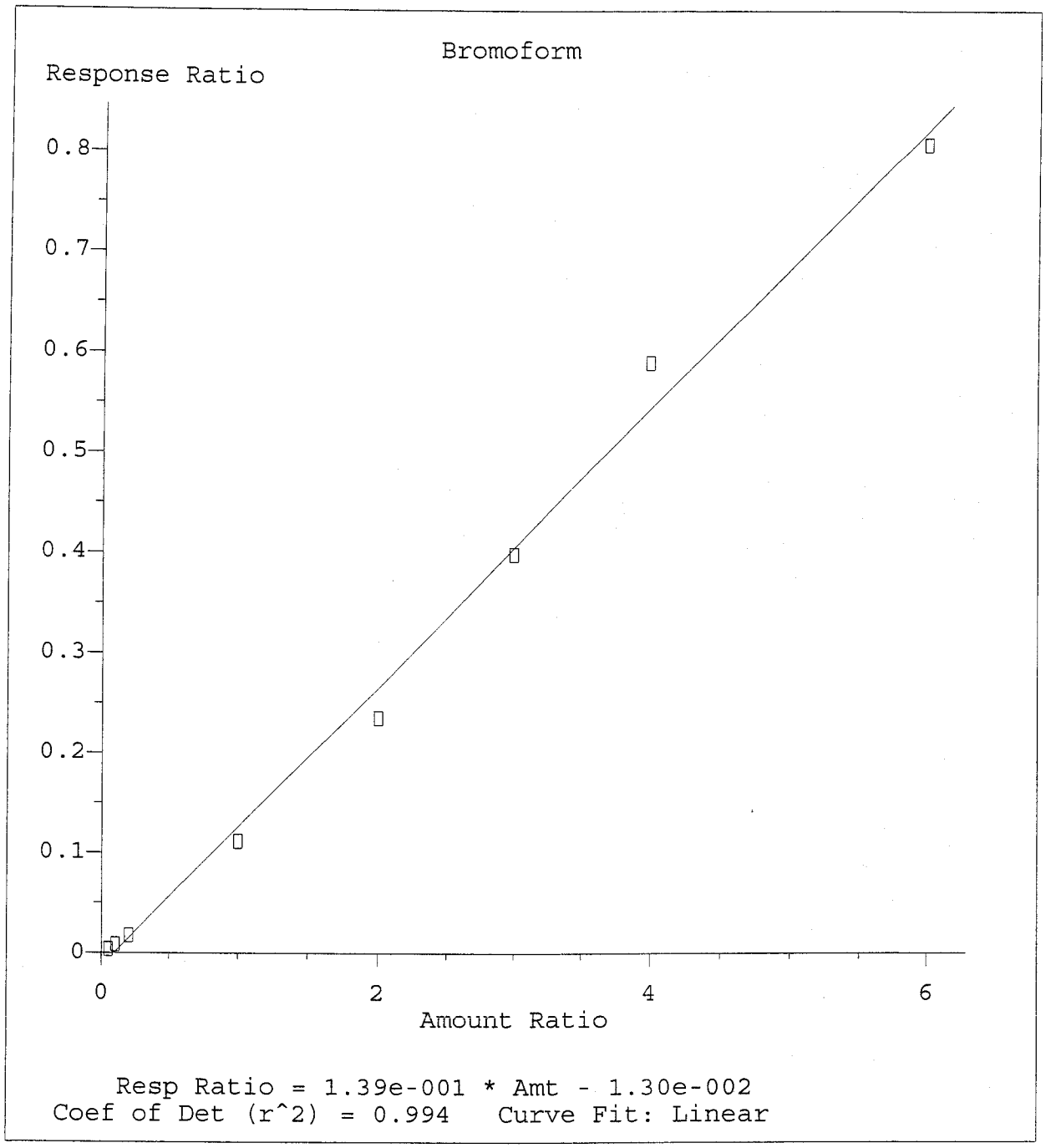
(#) = Out of Range ### Number of calibration levels exceeded fo
K717VOCW.M Thu Jul 19 07:29:30 2012



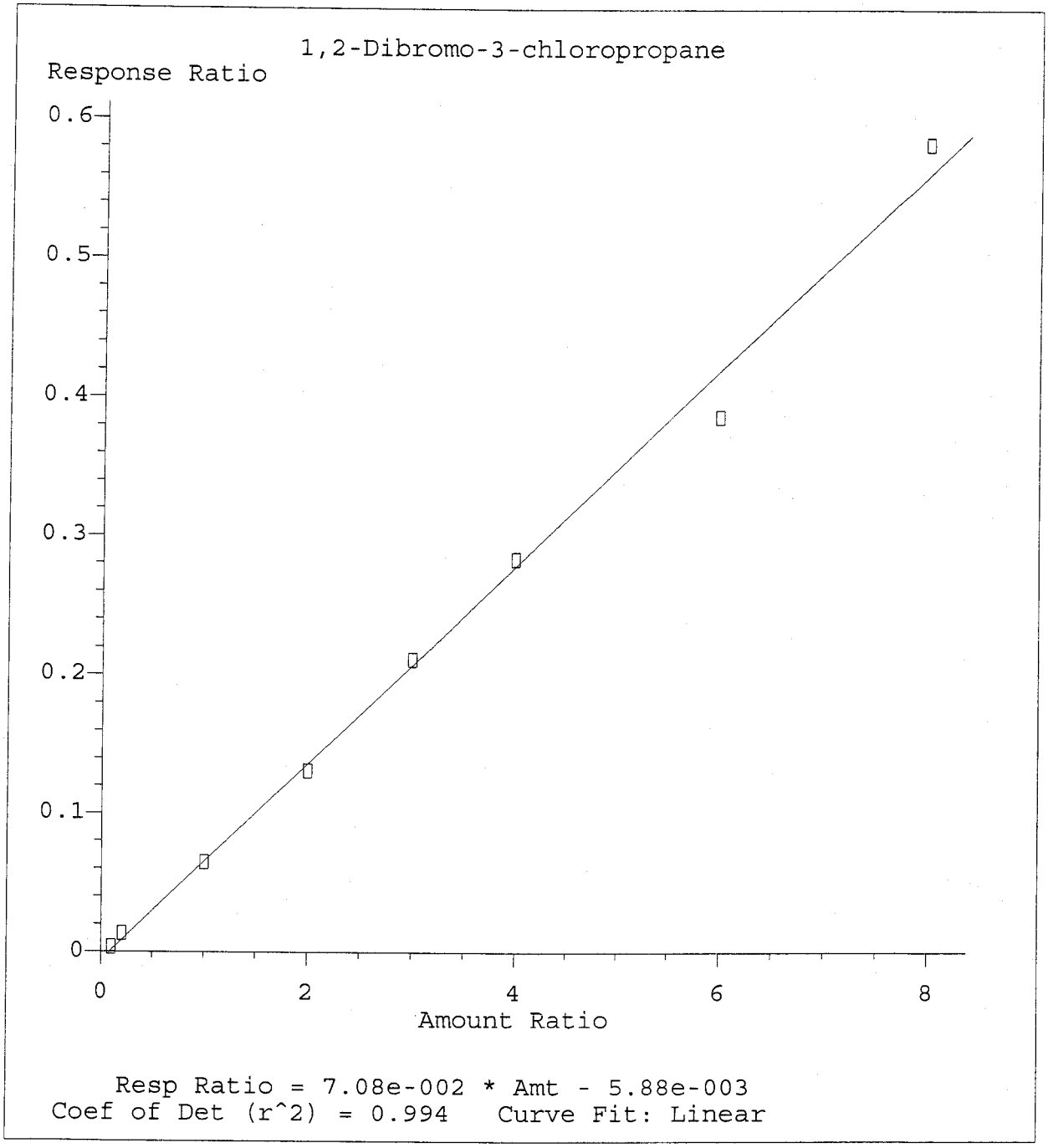
Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



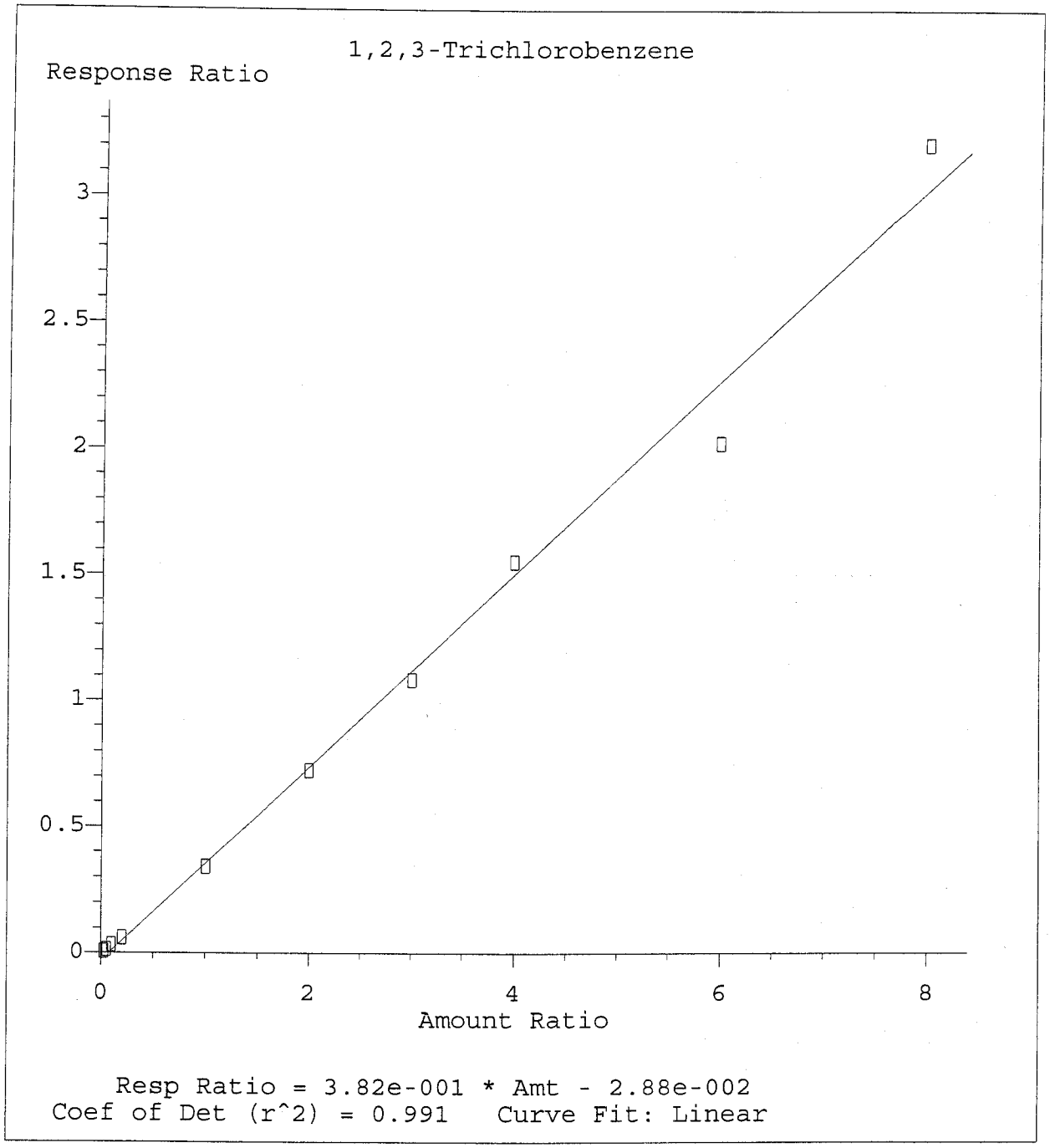
Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24731
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1854
Second Source ID:	2SRC-24731	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	19.2	-3.9	
1,1,1,2-Tetrachloroethane	10	9.57	-4.3	
1,1,1-Trichloroethane	10	10	0.2	
1,1,2,2-Tetrachloroethane	10	9.68	-3.2	
1,1,2-Trichloroethane	10	9.69	-3.1	
1,1-Dichloroethane	10	10.2	2.1	
1,1-Dichloroethene	10	10.5	5.2	
1,1-Dichloropropene	10	10	0.5	
1,2,3-Trichlorobenzene	10	10	0	
1,2,3-Trichloropropane	10	9.79	-2.1	
1,2,4-Trichlorobenzene	10	9.93	-0.7	
1,2,4-Trimethylbenzene	10	9.85	-1.5	
1,2-Dibromo-3-chloropropane	10	9.58	-4.2	
1,2-Dibromoethane	10	9.51	-4.9	
1,2-Dichlorobenzene	10	9.56	-4.4	
1,2-Dichloroethane	10	9.94	-0.6	
1,2-Dichloropropane	10	9.82	-1.8	
1,3,5-Trimethylbenzene	10	9.73	-2.7	
1,3-Dichlorobenzene	10	9.66	-3.4	
1,3-Dichloropropane	10	9.71	-2.9	
1,4-Dichlorobenzene	10	9.71	-2.9	
1-Chlorohexane	10	9.91	-0.9	
2,2-Dichloropropane	10	10	0.5	
2-Butanone	20	20.7	3.4	
2-Chlorotoluene	10	9.69	-3.1	
4-Chlorotoluene	10	9.45	-5.5	
4-Methyl-2-pentanone	20	20.2	1.2	
Acetone	20	20.5	2.6	
Benzene	10	10.1	0.6	
Bromobenzene	10	9.63	-3.7	
Bromochloromethane	10	9.95	-0.5	
Bromodichloromethane	10	9.57	-4.3	
Bromoform	10	9.42	-5.8	
Bromomethane	10	9.22	-7.8	
Carbon tetrachloride	10	9.8	-2.0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24731
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1854
Second Source ID:	2SRC-24731	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.83	-1.7	
Chloroethane	10	10.1	0.9	
Chloroform	10	9.86	-1.4	
Chloromethane	10	9.17	-8.3	
cis-1,2-Dichloroethene	10	9.94	-0.6	
cis-1,3-Dichloropropene	10	9.81	-1.9	
Dibromochloromethane	10	9.49	-5.1	
Dibromomethane	10	9.82	-1.8	
Dichlorodifluoromethane	10	7.92	-20.8	
Ethylbenzene	10	10	0.2	
Hexachlorobutadiene	10	9.86	-1.4	
Isopropylbenzene	10	9.84	-1.6	
Methyl tert-butyl ether	10	9.72	-2.8	
Methylene chloride	10	9.77	-2.3	
n-Butylbenzene	10	9.81	-1.9	
n-Propylbenzene	10	9.65	-3.5	
Naphthalene	10	10.2	1.7	
o-Xylene	10	9.59	-4.1	
p-Isopropyltoluene	10	9.81	-1.9	
sec-Butylbenzene	10	9.6	-4.0	
Styrene	10	9.6	-4.0	
tert-Butylbenzene	10	9.68	-3.2	
Tetrachloroethene	10	9.89	-1.1	
Toluene	10	9.86	-1.4	
trans-1,2-Dichloroethene	10	10.3	3.2	
trans-1,3-Dichloropropene	10	9.57	-4.3	
Trichloroethene	10	9.93	-0.7	
Trichlorofluoromethane	10	9.61	-3.9	
Vinyl chloride	10	9.53	-4.7	
Xylenes (total)	30	28.8	-3.9	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121101A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24734 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
1,1,2,2-Tetrachloroethane *			0.647	-3.7			
1,1-Dichloroethane *			0.516	5.0			
Bromoform *			0.152	18.9			
Chlorobenzene *			1.591	3.4			
Chloromethane *			0.428	2.8			
1,1-Dichloroethene #				11.0			
1,2-Dichloropropane #				-3.1			
Chloroform #				1.9			
Ethylbenzene #				9.7			
Toluene #				-0.7			
Vinyl chloride #				9.7			
(m+p)-Xylene				13.6			
1,1,1,2-Tetrachloroethane				15.9			
1,1,1-Trichloroethane				12.0			
1,1,2-Trichloroethane				-7.8			
1,1-Dichloropropene				6.4			
1,2,3-Trichlorobenzene				-1.0			
1,2,3-Trichloropropane				2.1			
1,2,4-Trichlorobenzene				3.1			
1,2,4-Trimethylbenzene				7.9			
1,2-Dibromo-3-chloropropane				15.8			
1,2-Dibromoethane				-1.9			
1,2-Dichlorobenzene				1.7			
1,2-Dichloroethane				-5.8			
1,2-Dichloroethane-d4				-6.0			
1,3,5-Trimethylbenzene				10.7			
1,3-Dichlorobenzene				5.1			
1,3-Dichloropropane				-4.2			
1,4-Dichlorobenzene				2.4			
1-Chlorohexane				11.0			
2,2-Dichloropropane				10.1			
2-Butanone				-12.2			
2-Chlorotoluene				22.7			*

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121101A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24734 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
4-Bromofluorobenzene				-2.0			
4-Chlorotoluene				11.6			
4-Methyl-2-pentanone				-16.7			
Acetone				-13.0			
Benzene				1.5			
Bromobenzene				-2.3			
Bromochloromethane				-8.0			
Bromodichloromethane				6.4			
Bromomethane				30.7			*
Carbon tetrachloride				23.5			*
Chloroethane				6.1			
cis-1,2-Dichloroethene				0.8			
cis-1,3-Dichloropropene				0.3			
Dibromochloromethane				12.6			
Dibromomethane				-5.9			
Dichlorodifluoromethane				18.1			
Hexachlorobutadiene				9.0			
Isopropylbenzene				14.9			
Methyl tert-butyl ether				-13.1			
Methylene chloride				-7.1			
n-Butylbenzene				18.5			
n-Propylbenzene				19.1			
Naphthalene				1.0			
o-Xylene				9.8			
p-Isopropyltoluene				16.1			
sec-Butylbenzene				21.1			*
Styrene				8.5			
tert-Butylbenzene				17.4			
Tetrachloroethene				9.3			
Toluene-d8				5.0			
trans-1,2-Dichloroethene				5.6			
trans-1,3-Dichloropropene				-4.0			
Trichloroethene				2.6			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121101A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24734 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Trichlorofluoromethane				19.9			
Xylenes (total)				12.3			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121003B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24736 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
1,1,2,2-Tetrachloroethane *			0.722	7.5			
1,1-Dichloroethane *			0.523	6.4			
Bromoform *			0.132	4.2			
Chlorobenzene *			1.525	-0.9			
Chloromethane *			0.446	7.2			
1,1-Dichloroethene #				2.4			
1,2-Dichloropropane #				4.8			
Chloroform #				5.0			
Ethylbenzene #				0			
Toluene #				-0.1			
Vinyl chloride #				18.9			
(m+p)-Xylene				1.0			
1,1,1,2-Tetrachloroethane				7.2			
1,1,1-Trichloroethane				5.2			
1,1,2-Trichloroethane				4.9			
1,1-Dichloropropene				3.5			
1,2,3-Trichlorobenzene				-12.7			
1,2,3-Trichloropropane				11.3			
1,2,4-Trichlorobenzene				-7.2			
1,2,4-Trimethylbenzene				2.5			
1,2-Dibromo-3-chloropropane				11.6			
1,2-Dibromoethane				-2.8			
1,2-Dichlorobenzene				3.2			
1,2-Dichloroethane				5.7			
1,2-Dichloroethane-d4				3.7			
1,3,5-Trimethylbenzene				2.0			
1,3-Dichlorobenzene				3.4			
1,3-Dichloropropane				-0.4			
1,4-Dichlorobenzene				1.3			
1-Chlorohexane				-3.0			
2,2-Dichloropropane				2.2			
2-Butanone				0			
2-Chlorotoluene				20.9			*

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121003B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24736 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
4-Bromofluorobenzene				-2.3			
4-Chlorotoluene				8.1			
4-Methyl-2-pentanone				-4.0			
Acetone				-12.2			
Benzene				4.7			
Bromobenzene				0.2			
Bromochloromethane				-6.9			
Bromodichloromethane				9.9			
Bromomethane				-14.4			
Carbon tetrachloride				7.4			
Chloroethane				-0.1			
cis-1,2-Dichloroethene				2.6			
cis-1,3-Dichloropropene				3.7			
Dibromochloromethane				2.2			
Dibromomethane				1.5			
Dichlorodifluoromethane				10.2			
Hexachlorobutadiene				-11.0			
Isopropylbenzene				8.6			
Methyl tert-butyl ether				-6.5			
Methylene chloride				-0.2			
n-Butylbenzene				5.3			
n-Propylbenzene				11.3			
Naphthalene				-14.8			
o-Xylene				-0.1			
p-Isopropyltoluene				3.6			
sec-Butylbenzene				10.4			
Styrene				0.9			
tert-Butylbenzene				6.5			
Tetrachloroethene				-7.2			
Toluene-d8				-3.3			
trans-1,2-Dichloroethene				0.5			
trans-1,3-Dichloropropene				-0.7			
Trichloroethene				0			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121003B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24736 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Trichlorofluoromethane				5.5			
Xylenes (total)				0.7			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24734
Initial Calibration ID:	1854	**File ID:**	K0565.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24734
Initial Calibration ID:	1854	**File ID:**	K0565.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.470	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	106	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24734
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24734
Initial Calibration ID:	1854	**File ID:**	K0565.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	262422	121878 - 487512	
Chlorobenzene-d5	544730	242134 - 968538	
Fluorobenzene	1405235	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24736
Initial Calibration ID:	1854	**File ID:**	K0591.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24736
Initial Calibration ID:	1854	**File ID:**	K0591.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.500	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	104	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24736
Initial Calibration ID:	1854	**File ID:**	K0591.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	257260	121878 - 487512	
Chlorobenzene-d5	560418	242134 - 968538	
Fluorobenzene	1434223	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24734 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0561.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.1	101	76 - 128	
1,1,1,2-Tetrachloroethane	10	11.2	112	81 - 129	
1,1,1-Trichloroethane	10	10.2	102	67 - 132	
1,1,2,2-Tetrachloroethane	10	9.60	96	63 - 128	
1,1,2-Trichloroethane	10	9.58	96	75 - 125	
1,1-Dichloroethane	10	10.1	101	69 - 133	
1,1-Dichloroethene	10	10.1	101	68 - 130	
1,1-Dichloropropene	10	9.84	98	73 - 132	
1,2,3-Trichlorobenzene	10	9.31	93	67 - 137	
1,2,3-Trichloropropane	10	10.1	101	73 - 124	
1,2,4-Trichlorobenzene	10	9.14	91	66 - 134	
1,2,4-Trimethylbenzene	10	10.4	104	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.8	118	50 - 132	
1,2-Dibromoethane	10	9.92	99	80 - 121	
1,2-Dichlorobenzene	10	9.66	97	71 - 122	
1,2-Dichloroethane	10	9.65	97	69 - 132	
1,2-Dichloropropane	10	9.50	95	75 - 125	
1,3,5-Trimethylbenzene	10	9.94	99	74 - 131	
1,3-Dichlorobenzene	10	9.81	98	75 - 124	
1,3-Dichloropropane	10	9.55	96	73 - 126	
1,4-Dichlorobenzene	10	9.86	99	74 - 123	
1-Chlorohexane	10	10.1	101	70 - 125	
2,2-Dichloropropane	10	9.96	100	69 - 137	
2-Butanone	20	17.3	86	49 - 136	
2-Chlorotoluene	10	11.2	112	73 - 126	
4-Chlorotoluene	10	9.89	99	74 - 128	
4-Methyl-2-pentanone	20	16.8	84	58 - 134	
Acetone	20	16.9	84	40 - 135	
Benzene	10	9.75	98	81 - 122	
Bromobenzene	10	9.47	95	76 - 124	
Bromochloromethane	10	9.32	93	65 - 129	
Bromodichloromethane	10	10.7	107	76 - 121	
Bromoform	10	12.0	120	69 - 128	
Bromomethane	10	8.64	86	30 - 141	
Carbon tetrachloride	10	11.3	113	66 - 138	
Chlorobenzene	10	9.67	97	81 - 122	
Chloroethane	10	9.20	92	58 - 133	
Chloroform	10	9.84	98	69 - 128	
Chloromethane	10	8.77	88	56 - 131	
cis-1,2-Dichloroethene	10	9.81	98	72 - 126	
cis-1,3-Dichloropropene	10	9.86	99	69 - 131	
Dibromochloromethane	10	11.0	110	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24734 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0561.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.71	97	76 - 125	
Dichlorodifluoromethane	10	9.59	96	30 - 153	
Ethylbenzene	10	10.4	104	73 - 127	
Hexachlorobutadiene	10	9.02	90	67 - 131	
Isopropylbenzene	10	11.1	111	75 - 127	
Methyl tert-butyl ether	10	9.29	93	65 - 123	
Methylene chloride	10	9.25	92	63 - 137	
n-Butylbenzene	10	10.3	103	69 - 137	
n-Propylbenzene	10	10.6	106	72 - 129	
Naphthalene	10	9.29	93	54 - 138	
o-Xylene	10	9.86	99	80 - 121	
p-Isopropyltoluene	10	10.2	102	73 - 130	
sec-Butylbenzene	10	10.3	103	72 - 127	
Styrene	10	9.47	95	65 - 134	
tert-Butylbenzene	10	10.3	103	70 - 129	
Tetrachloroethene	10	9.77	98	66 - 128	
Toluene	10	9.56	96	77 - 122	
trans-1,2-Dichloroethene	10	10.0	100	63 - 137	
trans-1,3-Dichloropropene	10	9.64	96	59 - 135	
Trichloroethene	10	9.46	95	70 - 127	
Trichlorofluoromethane	10	10.2	102	57 - 129	
Vinyl chloride	10	10.6	106	50 - 134	
Xylenes (total)	30	30.0	100	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	99	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	290213	121878 - 487512	
Chlorobenzene-d5	559015	242134 - 968538	
Fluorobenzene	1367942	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24736 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0587.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.8	99	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.2	102	81 - 129	
1,1,1-Trichloroethane	10	10.2	102	67 - 132	
1,1,2,2-Tetrachloroethane	10	9.80	98	63 - 128	
1,1,2-Trichloroethane	10	9.87	99	75 - 125	
1,1-Dichloroethane	10	10.5	105	69 - 133	
1,1-Dichloroethene	10	10.2	102	68 - 130	
1,1-Dichloropropene	10	10.2	102	73 - 132	
1,2,3-Trichlorobenzene	10	8.63	86	67 - 137	
1,2,3-Trichloropropane	10	10.1	101	73 - 124	
1,2,4-Trichlorobenzene	10	8.89	89	66 - 134	
1,2,4-Trimethylbenzene	10	10.7	107	74 - 132	
1,2-Dibromo-3-chloropropane	10	10.8	108	50 - 132	
1,2-Dibromoethane	10	9.39	94	80 - 121	
1,2-Dichlorobenzene	10	9.79	98	71 - 122	
1,2-Dichloroethane	10	10.1	101	69 - 132	
1,2-Dichloropropane	10	9.96	100	75 - 125	
1,3,5-Trimethylbenzene	10	10.1	101	74 - 131	
1,3-Dichlorobenzene	10	9.95	100	75 - 124	
1,3-Dichloropropane	10	9.53	95	73 - 126	
1,4-Dichlorobenzene	10	10.0	100	74 - 123	
1-Chlorohexane	10	9.87	99	70 - 125	
2,2-Dichloropropane	10	9.89	99	69 - 137	
2-Butanone	20	17.4	87	49 - 136	
2-Chlorotoluene	10	11.7	117	73 - 126	
4-Chlorotoluene	10	10.2	103	74 - 128	
4-Methyl-2-pentanone	20	17.3	86	58 - 134	
Acetone	20	16.2	81	40 - 135	
Benzene	10	10.1	101	81 - 122	
Bromobenzene	10	9.35	94	76 - 124	
Bromochloromethane	10	9.22	92	65 - 129	
Bromodichloromethane	10	10.6	106	76 - 121	
Bromoform	10	10.2	102	69 - 128	
Bromomethane	10	8.51	85	30 - 141	
Carbon tetrachloride	10	10.7	107	66 - 138	
Chlorobenzene	10	9.52	95	81 - 122	
Chloroethane	10	9.67	97	58 - 133	
Chloroform	10	10.2	102	69 - 128	
Chloromethane	10	9.41	94	56 - 131	
cis-1,2-Dichloroethene	10	10.0	100	72 - 126	
cis-1,3-Dichloropropene	10	9.83	98	69 - 131	
Dibromochloromethane	10	10.0	100	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24736 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0587.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.75	98	76 - 125	
Dichlorodifluoromethane	10	9.99	100	30 - 153	
Ethylbenzene	10	10.3	103	73 - 127	
Hexachlorobutadiene	10	9.15	92	67 - 131	
Isopropylbenzene	10	11.4	114	75 - 127	
Methyl tert-butyl ether	10	9.43	94	65 - 123	
Methylene chloride	10	9.55	96	63 - 137	
n-Butylbenzene	10	10.7	107	69 - 137	
n-Propylbenzene	10	11.0	110	72 - 129	
Naphthalene	10	8.58	86	54 - 138	
o-Xylene	10	9.54	95	80 - 121	
p-Isopropyltoluene	10	10.4	104	73 - 130	
sec-Butylbenzene	10	10.6	106	72 - 127	
Styrene	10	9.66	97	65 - 134	
tert-Butylbenzene	10	10.3	103	70 - 129	
Tetrachloroethene	10	9.32	93	66 - 128	
Toluene	10	9.72	97	77 - 122	
trans-1,2-Dichloroethene	10	10.2	102	63 - 137	
trans-1,3-Dichloropropene	10	9.58	96	59 - 135	
Trichloroethene	10	9.59	96	70 - 127	
Trichlorofluoromethane	10	10.3	103	57 - 129	
Vinyl chloride	10	11.9	119	50 - 134	
Xylenes (total)	30	29.4	98	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	287645	121878 - 487512	
Chlorobenzene-d5	580259	242134 - 968538	
Fluorobenzene	1365386	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: WSAM1615KA **MS ID:** K1209296-003BMS **MSD ID:** K1209296-003BMSD

Calibration ID: 1854

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	20.0	100	19.6	98	2	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	10.3	103	10.3	103	1	81 - 129	20	
1,1,1-Trichloroethane	0.250	10.0	10.4	102	10.4	102	0	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	9.86	99	10.0	100	2	63 - 128	20	
1,1,2-Trichloroethane		10.0	9.82	98	9.91	99	1	75 - 125	20	
1,1-Dichloroethane		10.0	10.4	104	10.4	104	0	69 - 133	20	
1,1-Dichloroethene		10.0	10.2	102	10.1	101	1	68 - 130	20	
1,1-Dichloropropene		10.0	10.2	102	10.1	101	1	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	8.87	89	8.78	88	1	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.2	102	10.3	103	2	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	8.97	90	8.95	90	0	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	10.6	106	10.4	104	2	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	10.3	103	10.9	109	6	50 - 132	20	
1,2-Dibromoethane		10.0	9.55	96	9.67	97	1	80 - 121	20	
1,2-Dichlorobenzene		10.0	9.72	97	9.71	97	0	71 - 122	20	
1,2-Dichloroethane		10.0	10.0	100	10.0	100	0	69 - 132	20	
1,2-Dichloropropane		10.0	9.86	99	9.88	99	0	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	10.2	102	9.95	100	2	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.98	100	9.88	99	1	75 - 124	20	
1,3-Dichloropropane		10.0	9.59	96	9.82	98	2	73 - 126	20	
1,4-Dichlorobenzene		10.0	10.0	100	9.85	98	2	74 - 123	20	
1-Chlorohexane		10.0	10.1	101	10.1	101	0	70 - 125	20	
2,2-Dichloropropane		10.0	9.78	98	9.79	98	0	69 - 137	20	
2-Butanone		20.0	17.0	85	17.7	89	4	49 - 136	20	
2-Chlorotoluene		10.0	11.5	115	11.4	114	1	73 - 126	20	
4-Chlorotoluene		10.0	10.3	103	10.1	101	2	74 - 128	20	
4-Methyl-2-pentanone		20.0	16.8	84	17.5	88	4	58 - 134	20	
Acetone		20.0	15.7	79	16.6	83	5	40 - 135	20	
Benzene		10.0	10.0	100	10.0	100	0	81 - 122	20	
Bromobenzene		10.0	9.36	94	9.51	95	2	76 - 124	20	
Bromochloromethane		10.0	9.09	91	9.31	93	2	65 - 129	20	
Bromodichloromethane		10.0	10.4	104	10.5	105	1	76 - 121	20	
Bromoform		10.0	10.2	103	10.4	104	2	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: WSAM1615KA **MS ID:** K1209296-003BMS **MSD ID:** K1209296-003BMSD

Calibration ID: 1854

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	8.29	83	8.38	84	1	30 - 141	20	
Carbon tetrachloride		10.0	10.6	106	10.5	105	1	66 - 138	20	
Chlorobenzene		10.0	9.63	96	9.63	96	0	81 - 122	20	
Chloroethane		10.0	9.49	95	9.55	96	1	58 - 133	20	
Chloroform		10.0	10.1	101	10.2	102	1	69 - 128	20	
Chloromethane		10.0	9.32	93	9.26	93	1	56 - 131	20	
cis-1,2-Dichloroethene	0.610	10.0	10.6	100	10.6	100	0	72 - 126	20	
cis-1,3-Dichloropropene		10.0	9.54	95	9.58	96	0	69 - 131	20	
Dibromochloromethane		10.0	10.2	102	10.2	103	1	66 - 133	20	
Dibromomethane		10.0	9.67	97	9.86	99	2	76 - 125	20	
Dichlorodifluoromethane		10.0	9.83	98	9.76	98	1	30 - 153	20	
Ethylbenzene		10.0	10.4	104	10.3	103	1	73 - 127	20	
Hexachlorobutadiene		10.0	9.07	91	9.02	90	1	67 - 131	20	
Isopropylbenzene		10.0	11.4	114	11.3	113	1	75 - 127	20	
Methyl tert-butyl ether		10.0	9.40	94	9.58	96	2	65 - 123	20	
Methylene chloride	0.170	10.0	9.13	90	9.11	89	0	63 - 137	20	
n-Butylbenzene		10.0	10.6	106	10.2	102	3	69 - 137	20	
n-Propylbenzene		10.0	10.9	109	10.7	107	2	72 - 129	20	
Naphthalene		10.0	8.86	89	8.76	88	1	54 - 138	20	
o-Xylene		10.0	9.75	98	9.59	96	2	80 - 121	20	
p-Isopropyltoluene		10.0	10.3	103	10.2	102	1	73 - 130	20	
sec-Butylbenzene		10.0	10.6	106	10.3	103	2	72 - 127	20	
Styrene		10.0	9.79	98	9.68	97	1	65 - 134	20	
tert-Butylbenzene		10.0	10.4	104	10.2	102	2	70 - 129	20	
Tetrachloroethene	40.3	10.0	49.5	91	48.6	82	2	66 - 128	20	
Toluene		10.0	9.66	97	9.62	96	0	77 - 122	20	
trans-1,2-Dichloroethene		10.0	10.2	102	10.2	102	0	63 - 137	20	
trans-1,3-Dichloropropene		10.0	9.95	100	9.98	100	0	59 - 135	20	
Trichloroethene	29.4	10.0	39.8	104	39.1	97	2	70 - 127	20	
Trichlorofluoromethane		10.0	10.2	102	10.2	102	0	57 - 129	20	
Vinyl chloride		10.0	11.4	114	11.2	112	2	50 - 134	20	
Xylenes (total)		30.0	29.7	99	29.2	97	2	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R24734

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LAWM0912KA	K1209296-001B	26-Sep-12	27-Sep-12	03-Oct-12			03-Oct-12	14	6.4	
WSAM0809KA	K1209296-002B	26-Sep-12	27-Sep-12	03-Oct-12			03-Oct-12	14	6.6	
WSAM1615KC	K1209296-004B	26-Sep-12	27-Sep-12	03-Oct-12			03-Oct-12	14	6.6	
WSAM1722KA	K1209296-005B	26-Sep-12	27-Sep-12	03-Oct-12			03-Oct-12	14	6.4	
WSAM1814KA	K1209296-006A	26-Sep-12	27-Sep-12	03-Oct-12			03-Oct-12	14	6.5	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
WSAM1615KA	K1209296-003B	26-Sep-12	27-Sep-12	03-Oct-12			03-Oct-12	14	7	
WSAM1615KA	K1209296-003BMS	26-Sep-12	27-Sep-12	03-Oct-12			03-Oct-12	14	6.9	
WSAM1615KA	K1209296-003BMSD	26-Sep-12	27-Sep-12	03-Oct-12			03-Oct-12	14	6.9	
WSAM0909KA	K1209306-001B	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.1	
WSAM1918KA	K1209306-002B	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.2	
WSAM2124KA	K1209306-003B	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.1	
WSAM2324KA	K1209306-004B	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1854

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB120717AK	TB120717AK	17-Jul-12	5:37	17-Jul-12	6:44
ICAL/MDLV 0.2	ICAL/MDLV 0.25 ppb	17-Jul-12	6:44	17-Jul-12	7:16
ICAL/MDLV 0.5	ICAL/MDLV 0.50 ppb	17-Jul-12	7:16	17-Jul-12	7:48
ICAL/MDLV 1.0	ICAL/MDLV 1.0 ppb	17-Jul-12	7:48	17-Jul-12	8:20
ICAL/MDLV 2.0	ICAL/MDLV 2.0 ppb	17-Jul-12	8:20	17-Jul-12	8:52
ICAL 10 ppb	ICAL 10 ppb	17-Jul-12	8:52	17-Jul-12	9:24
2SRC-24731	2SRC-24731	17-Jul-12	9:24	17-Jul-12	9:56
ICAL 20 ppb	ICAL 20 ppb	17-Jul-12	9:56	17-Jul-12	10:28
ICAL 30 ppb	ICAL 30 ppb	17-Jul-12	10:28	17-Jul-12	11:00
ICAL 40 ppb	ICAL 40 ppb	17-Jul-12	11:00	17-Jul-12	12:04
ICAL 60 ppb	ICAL 60 ppb	17-Jul-12	12:04	17-Jul-12	13:08
ICAL 80 ppb	ICAL 80 ppb	17-Jul-12	13:08	17-Jul-12	13:08
TB121002AK	TB121002AK	02-Oct-12	14:56	02-Oct-12	15:35
CCV-24734	CCV-24734	02-Oct-12	14:56	02-Oct-12	15:35
LCS-24734	LCS-24734	02-Oct-12	15:35	02-Oct-12	16:07
MB-24734	MB-24734	02-Oct-12	17:43	03-Oct-12	0:06
LAWM0912KA	K1209296-001B	03-Oct-12	0:06	03-Oct-12	0:38
WSAM0809KA	K1209296-002B	03-Oct-12	0:38	03-Oct-12	1:10
WSAM1615KC	K1209296-004B	03-Oct-12	1:10	03-Oct-12	1:42
WSAM1722KA	K1209296-005B	03-Oct-12	1:42	03-Oct-12	2:14
WSAM1814KA	K1209296-006A	03-Oct-12	2:14	03-Oct-12	2:14
TB121003AK	TB121003AK	03-Oct-12	8:18	03-Oct-12	8:18
CCV-24736	CCV-24736	03-Oct-12	8:18	03-Oct-12	8:55
LCS-24736	LCS-24736	03-Oct-12	8:55	03-Oct-12	9:27
WSAM1615KA	K1209296-003BMS	03-Oct-12	9:27	03-Oct-12	9:59
WSAM1615KA	K1209296-003BMSD	03-Oct-12	9:59	03-Oct-12	11:03
MB-24736	MB-24736	03-Oct-12	11:03	03-Oct-12	11:35
WSAM1615KA	K1209296-003B	03-Oct-12	11:35	03-Oct-12	15:42
WSAM0909KA	K1209306-001B	03-Oct-12	15:42	03-Oct-12	16:14
WSAM1918KA	K1209306-002B	03-Oct-12	16:14	03-Oct-12	16:46
WSAM2124KA	K1209306-003B	03-Oct-12	16:46	03-Oct-12	17:18
WSAM2324KA	K1209306-004B	03-Oct-12	17:18	03-Oct-12	17:18

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_120717A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	7/17/2012 5:37:00 AM
Initial Calibration ID:	1854	**File ID:**	C:\HPCHEM\1\DATA\K0438.D
Compound:	SW8260B	**Sample ID:**	TB120717AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	23.0	
75	30 - 60% of m/z 95	54.2	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	66.7	
175	5 - 9% of m/z 174	7.3	
176	Greater than 95% but less than 101% of m/z 174	95.3	
177	5 - 9% of m/z 176	6.5	

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ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_121101A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	10/2/2012 2:56:00 PM
Initial Calibration ID:	1854	**File ID:**	C:\HPCHEM\1\DATA\K0560.D
Compound:	SW8260B	**Sample ID:**	TB121002AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	23.7	
75	30 - 60% of m/z 95	54.8	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	65.2	
175	5 - 9% of m/z 174	7.6	
176	Greater than 95% but less than 101% of m/z 174	95.9	
177	5 - 9% of m/z 176	6.7	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_121003B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	10/3/2012 8:18:00 AM
Initial Calibration ID:	1854	**File ID:**	C:\HPCHEM\1\DATA\K0586.D
Compound:	SW8260B	**Sample ID:**	TB121003AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	24.4	
75	30 - 60% of m/z 95	55.4	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	64.2	
175	5 - 9% of m/z 174	7.7	
176	Greater than 95% but less than 101% of m/z 174	97.0	
177	5 - 9% of m/z 176	6.6	

Dissolved Gases Data

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LAWM0912KA	K1209296-001B
WSAM0809KA	K1209296-002B
WSAM1615KA	K1209296-003B
WSAM1615KA	K1209296-003BMS
WSAM1615KA	K1209296-003BMSD
WSAM1615KC	K1209296-004B
WSAM1722KA	K1209296-005B
WSAM1814KA	K1209296-006A
WSAM0909KA	K1209306-001B
WSAM1918KA	K1209306-002B
WSAM2124KA	K1209306-003B
WSAM2324KA	K1209306-004B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-6-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100805.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	32.18 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		Q
Methane	1.4	5.0	9.0	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100806.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.79 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		Q
Methane	1.4	5.0	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100807.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	32.13 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		**U**
Ethene	2.1	5.0	2.1	1		**QM**
Methane	1.4	5.0	1.4	1		**UM**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003BMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100808.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.38 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.9	6.1	26	1		
Ethene	2.1	5.1	20	1		MQ
Methane	1.4	5.1	11	1		M

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003BMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100809.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.99 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	26	1		
Ethene	2.1	5.0	20	1		MQ
Methane	1.4	5.0	11	1		M

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100810.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	32.48 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	5.9	2.8	1		U
Ethene	2.1	4.9	2.1	1		Q
Methane	1.4	4.9	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100811.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.31 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.9	6.1	2.9	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100813.rst
Date Received:	27-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.41 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.9	6.1	2.9	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100814.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	32.38 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	5.9	2.8	1		U
Ethene	2.1	4.9	2.1	1		Q
Methane	1.4	4.9	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100815.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	32.15 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		Q
Methane	1.4	5.0	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100816.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.45 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	7.0	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100818.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.84 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	28	60	28	10		U
Ethene	21	50	21	10		Q
Methane	14	50	430	10		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Date of Initial Calibration:**	29-Mar-12
Initial Calibration ID:	1846	**Concentration Units:**	ug/L

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

Turbochrom Method File \\Computer 1\tcdata\Methods\osigases.mth
Printed by : manager on: 10/10/12 09:26:21
Created by : david on: 02/03/98 13:53:40
Edited by : manager on: 04/09/08 15:46:00
Number of Times Edited : 59
Number of Times Calibrated : 0
Description: Dissolved Gases Instrument/Process Method

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

Methane
Component Type : Single Peak Component
Retention Time : 1.275 min
Search Window : 3.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
3	32.8000	270708.46	53054.11	----------	----------	1
2	49.2000	418014.06	69663.76	----------	----------	1
1	65.6000	537840.65	83229.35	----------	----------	1

Average Calibration Factor = 8316.105970 (%RSD = 1.90)

Ethane
Component Type : Single Peak Component
Retention Time : 1.467 min
Search Window : 3.40 s, 0.00 %
Reference Component :
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
3	61.4900	467899.17	90911.88	----------	----------	1
2	92.2400	696576.52	112425.70	----------	----------	1
1	122.9800	881447.21	128457.63	----------	----------	1

Average Calibration Factor = 7442.846776 (%RSD = 3.23)

Ethene
Component Type : Single Peak Component
Retention Time : 1.723 min
Search Window : 3.70 s, 0.00 %
Reference Component :
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
3	51.9700	452358.59	91761.07	----------	----------	1
2	77.9600	676077.12	114555.71	----------	----------	1
1	103.9400	862169.48	131838.21	----------	----------	1

Average Calibration Factor = 8557.068165 (%RSD = 2.66)

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	RSK 175	**AAB #:**	R23997
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	GCOS_17E	**Initial Calibration ID:**	1846
Second Source ID:	50UL STD #493	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
Ethane	61.74	63	2.1	
Ethene	57.53	58	1.4	
Methane	32.91	33	-0.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Initial Calibration ID:**	1846

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

DISSOLVED GASES BY FID
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-OSI SEQUENCE: os100812g.SEQ COLUMN: ALUMINA

		Name: 50ul STD File: E100801 Date: 10/08/12 Time 08:27		Name: 50ul STD File: E100812 Date: 10/08/12 Time 10:39		Name: 50ul STD File: E100823 Date: 10/08/12 Time 12:45		Name: 50ul STD File: E100836 Date: 10/08/12 Time 15:36	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.91	28.55600	13	29.65300	10	29	11	28.65600	13
Ethane	61.74	53.97900	13	56.14000	9	54.92000	11	53.53100	13
Ethene	57.53	50.79800	12	52.80600	8	51.52100	10	50.13700	13
Propane									

		Name: 50ul STD File: E100839 Date: 10/08/12 Time 16:06		Name: File: Date: Time		Name: File: Date: Time		Name: File: Date: Time	
Parameter	Nominal Amount(ng)	Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79	28.94800	12						
Ethane	61.50	54.29600	12						
Ethene	58.05	50.89300	12						
Propane	89.50								

Page 1

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-16014
Initial Calibration ID:	1846	**File ID:**	E:\Osioct12\E100802.rst

Analyte	Method Blank	RL	Q
Ethane	2.9	6.0	U
Ethene	2.1	5.0	U
Methane	1.5	5.0	F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-16014 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osioct12\E100803.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	38.504950	29	74	65 - 115	
Ethene	35.504950	21	60	65 - 115	*
Methane	20.277228	17	82	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-16014 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osioct12\E100804.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	39.270432	26	67	65 - 115	
Ethene	36.210792	20	56	65 - 115	*
Methane	20.680341	17	84	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-16014 **MS ID:** LCS-16014 **MSD ID:** LCSD-16014

Calibration ID: 1846

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Ethane		39	29	74	26	67	9	65 - 115	20	
Ethene		36	21	60	20	56	5	65 - 115	20	*
Methane		21	17	82	17	84	4	60 - 120	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: WSAM1615KA **MS ID:** K1209296-003BMS **MSD ID:** K1209296-003BMSD

Calibration ID: 1846

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Ethane		39	26	65	26	67	0	65 - 115	20	
Ethene		36	20	56	20	56	1	65 - 115	20	*
Methane		20	11	54	11	53	5	60 - 120	20	*

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LAWM0912KA	K1209296-001B	26-Sep-12	27-Sep-12	08-Oct-12	14	11.7	08-Oct-12	14	0	
WSAM0809KA	K1209296-002B	26-Sep-12	27-Sep-12	08-Oct-12	14	11.9	08-Oct-12	14	0	
WSAM1615KA	K1209296-003B	26-Sep-12	27-Sep-12	08-Oct-12	14	11.9	08-Oct-12	14	0.1	
WSAM1615KA	K1209296-003BMS	26-Sep-12	27-Sep-12	08-Oct-12	14	11.9	08-Oct-12	14	0.1	
WSAM1615KA	K1209296-003BMSD	26-Sep-12	27-Sep-12	08-Oct-12	14	11.9	08-Oct-12	14	0.1	
WSAM1615KC	K1209296-004B	26-Sep-12	27-Sep-12	08-Oct-12	14	11.9	08-Oct-12	14	0.1	
WSAM1722KA	K1209296-005B	26-Sep-12	27-Sep-12	08-Oct-12	14	11.7	08-Oct-12	14	0.1	
WSAM1814KA	K1209296-006A	26-Sep-12	27-Sep-12	08-Oct-12	14	11.8	08-Oct-12	14	0.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
WSAM0909KA	K1209306-001B	27-Sep-12	28-Sep-12	08-Oct-12	14	10.8	08-Oct-12	14	0.1	
WSAM1918KA	K1209306-002B	27-Sep-12	28-Sep-12	08-Oct-12	14	10.9	08-Oct-12	14	0.1	
WSAM2124KA	K1209306-003B	27-Sep-12	28-Sep-12	08-Oct-12	14	10.8	08-Oct-12	14	0.1	
WSAM2324KA	K1209306-004B	27-Sep-12	28-Sep-12	08-Oct-12	14	10.7	08-Oct-12	14	0.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: RSK 175 **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCOS 17E **Calibration ID:** K1209296-2 ICAL 1846

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
MB-16014	MB-16014	08-Oct-12	8:37	08-Oct-12	8:49
LCS-16014	LCS-16014	08-Oct-12	8:49	08-Oct-12	9:01
LCSD-16014	LCSD-16014	08-Oct-12	9:01	08-Oct-12	9:12
LAWM0912KA	K1209296-001B	08-Oct-12	9:12	08-Oct-12	9:30
WSAM0809KA	K1209296-002B	08-Oct-12	9:30	08-Oct-12	9:40
WSAM1615KA	K1209296-003B	08-Oct-12	9:40	08-Oct-12	9:52
WSAM1615KA	K1209296-003BMS	08-Oct-12	9:52	08-Oct-12	10:04
WSAM1615KA	K1209296-003BMSD	08-Oct-12	10:04	08-Oct-12	10:15
WSAM1615KC	K1209296-004B	08-Oct-12	10:15	08-Oct-12	10:26
WSAM1722KA	K1209296-005B	08-Oct-12	10:26	08-Oct-12	10:52
WSAM1814KA	K1209296-006A	08-Oct-12	10:52	08-Oct-12	10:52

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: RSK 175 **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCOS_17E **Calibration ID:** 1846

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
MB-16014	MB-16014	08-Oct-12	8:37	08-Oct-12	8:49
LCS-16014	LCS-16014	08-Oct-12	8:49	08-Oct-12	9:01
LCSD-16014	LCSD-16014	08-Oct-12	9:01	08-Oct-12	9:52
WSAM0909KA	K1209306-001B	08-Oct-12	11:02	08-Oct-12	11:13
WSAM1918KA	K1209306-002B	08-Oct-12	11:13	08-Oct-12	11:23
WSAM2124KA	K1209306-003B	08-Oct-12	11:23	08-Oct-12	11:54
WSAM2324KA	K1209306-004B	08-Oct-12	11:54	08-Oct-12	11:54

Comments:

Dissolved Organic Carbon Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LAWM0912KA	K1209296-001C
WSAM0809KA	K1209296-002C
WSAM1615KA	K1209296-003C
WSAM1615KA	K1209296-003CMS
WSAM1615KA	K1209296-003CMSD
WSAM1615KC	K1209296-004C
WSAM1722KA	K1209296-005C
WSAM1814KA	K1209296-006B
WSAM0909KA	K1209306-001C
WSAM1918KA	K1209306-002C
WSAM2124KA	K1209306-003C
WSAM2324KA	K1209306-004C

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
817M0111KA	K1210053-001A
817M0111KA DL	K1210053-001ADL
817M0210KA	K1210053-002A
817M0310KA	K1210053-003A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.53	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.500	1.00	11.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.500	1.00	11.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.57	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.63	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209296-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	**U**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0111KA	**Lab Sample ID:**	K1210053-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	140	1	J

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0111KA DL	**Lab Sample ID:**	K1210053-001ADL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	10	20	150	20	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0210KA	**Lab Sample ID:**	K1210053-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	20	40	160	40	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24676		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0310KA	**Lab Sample ID:**	K1210053-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.91	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1852

AAB #: R24675
Contract #:
Date of Initial Calibration: 09-Oct-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999564	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1852

AAB #: R24676
Contract #:
Date of Initial Calibration: 09-Oct-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999564	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SM 5310 B	**AAB #:**	R24675
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	TOC-5000A	**Initial Calibration ID:**	1852
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	9.65	-3.5	10.0	9.66	-3.4	9.65	-3.5	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SM 5310 B	**AAB #:**	R24676
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	TOC-5000A	**Initial Calibration ID:**	1852
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	9.63	-3.7	10.0	9.75	-2.5	9.97	-0.3	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1852

Method Blank ID: MB-24675 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.10	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1852

Method Blank ID: MB-24675 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.060	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1852

Method Blank ID: MB-24675 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.0049	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1852

Method Blank ID: MB-24676 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.20	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1852

Method Blank ID: MB-24676 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.13	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1852

Method Blank ID: MB-24676 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	0.013	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24675 **Initial Calibration ID:** 1852

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	9.65	96	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B
AAB #: R24676
Lab Name: Life Science Laboratories, Inc.
Contract #:
LCS ID: LCS-24676
Initial Calibration ID: 1852
Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	9.63	96	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract #:**

% Solids: 0 **Initial Calibration ID:** 1852

Parent Field Sample ID: WSAM1615KA **MS ID:** K1209296-003CMS **MSD ID:** K1209296-003CMSD

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Dissolved organic carbon (DOC)		10.0	11.0	110	11.0	110	1	75 - 125	20	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LAWM0912KA	K1209296-001C	26-Sep-12	27-Sep-12	11-Oct-12	28	14.8	
WSAM0809KA	K1209296-002C	26-Sep-12	27-Sep-12	11-Oct-12	28	15.0	
WSAM1615KA	K1209296-003C	26-Sep-12	27-Sep-12	11-Oct-12	28	14.9	
WSAM1615KA	K1209296-003CMS	26-Sep-12	27-Sep-12	11-Oct-12	28	14.9	
WSAM1615KA	K1209296-003CMSD	26-Sep-12	27-Sep-12	11-Oct-12	28	14.9	
WSAM1615KC	K1209296-004C	26-Sep-12	27-Sep-12	11-Oct-12	28	15.0	
WSAM1722KA	K1209296-005C	26-Sep-12	27-Sep-12	11-Oct-12	28	14.8	
WSAM1814KA	K1209296-006B	26-Sep-12	27-Sep-12	11-Oct-12	28	14.9	
WSAM0909KA	K1209306-001C	27-Sep-12	28-Sep-12	11-Oct-12	28	13.9	
WSAM1918KA	K1209306-002C	27-Sep-12	28-Sep-12	11-Oct-12	28	14.0	
WSAM2124KA	K1209306-003C	27-Sep-12	28-Sep-12	11-Oct-12	28	14.0	
WSAM2324KA	K1209306-004C	27-Sep-12	28-Sep-12	11-Oct-12	28	13.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
817M0111KA	K1210053-001A	01-Oct-12	03-Oct-12	12-Oct-12	28	10.9	
817M0111KA DL	K1210053-001ADL	01-Oct-12	03-Oct-12	12-Oct-12	28	10.9	
817M0210KA	K1210053-002A	01-Oct-12	03-Oct-12	12-Oct-12	28	10.9	
817M0310KA	K1210053-003A	01-Oct-12	03-Oct-12	12-Oct-12	28	11.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: TOC-5000A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
S 0	S 0	09-Oct-12	9:28	09-Oct-12	9:58
S 1	S 1	09-Oct-12	9:58	09-Oct-12	10:08
S 10	S 10	09-Oct-12	10:08	09-Oct-12	10:19
S 20	S 20	09-Oct-12	10:19	09-Oct-12	10:19
ICV	ICV	11-Oct-12	8:38	11-Oct-12	8:39
LCS-24675	LCS-24675	11-Oct-12	8:39	11-Oct-12	8:51
ICB	ICB	11-Oct-12	8:51	11-Oct-12	8:52
MB-24675	MB-24675	11-Oct-12	8:52	11-Oct-12	9:41
LAWM0912KA	K1209296-001C	11-Oct-12	9:41	11-Oct-12	9:49
WSAM0809KA	K1209296-002C	11-Oct-12	9:49	11-Oct-12	9:58
WSAM1615KA	K1209296-003C	11-Oct-12	9:58	11-Oct-12	10:10
WSAM1615KA	K1209296-003CMS	11-Oct-12	10:10	11-Oct-12	10:20
WSAM1615KA	K1209296-003CMSD	11-Oct-12	10:20	11-Oct-12	10:44
WSAM1615KC	K1209296-004C	11-Oct-12	10:44	11-Oct-12	11:00
WSAM1722KA	K1209296-005C	11-Oct-12	11:00	11-Oct-12	11:19
WSAM1814KA	K1209296-006B	11-Oct-12	11:19	11-Oct-12	11:54
WSAM0909KA	K1209306-001C	11-Oct-12	11:54	11-Oct-12	12:04
WSAM1918KA	K1209306-002C	11-Oct-12	12:04	11-Oct-12	12:39
CCV1	CCV1	11-Oct-12	12:39	11-Oct-12	13:10
CCB1	CCB1	11-Oct-12	13:10	11-Oct-12	13:37
WSAM2124KA	K1209306-003C	11-Oct-12	13:37	11-Oct-12	13:45
WSAM2324KA	K1209306-004C	11-Oct-12	13:45	11-Oct-12	14:46
CCV2	CCV2	11-Oct-12	14:46	11-Oct-12	14:59
CCB2	CCB2	11-Oct-12	14:59	11-Oct-12	14:59
ICV	ICV	12-Oct-12	8:29	12-Oct-12	8:30
LCS-24676	LCS-24676	12-Oct-12	8:30	12-Oct-12	8:43
ICB	ICB	12-Oct-12	8:43	12-Oct-12	8:44
MB-24676	MB-24676	12-Oct-12	8:44	12-Oct-12	12:05
CCV1	CCV1	12-Oct-12	12:05	12-Oct-12	12:16
CCB1	CCB1	12-Oct-12	12:16	12-Oct-12	14:31
817M0111KA	K1210053-001A	12-Oct-12	14:31	12-Oct-12	14:53
817M0111KA DL	K1210053-001ADL	12-Oct-12	14:53	12-Oct-12	15:03
817M0210KA	K1210053-002A	12-Oct-12	15:03	12-Oct-12	15:26
817M0310KA	K1210053-003A	12-Oct-12	15:26	12-Oct-12	15:56
CCV2	CCV2	12-Oct-12	15:56	12-Oct-12	16:21
CCB2	CCB2	12-Oct-12	16:21	12-Oct-12	16:21

Comments:

Sulfate Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24680

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM1615KA	K1209296-003A
WSAM1615KA	K1209296-003AMS
WSAM1615KA	K1209296-003AMSD
WSAM1615KC	K1209296-004A
WSAM1722KA	K1209296-005A
WSAM0909KA	K1209306-001A
WSAM1918KA	K1209306-002A
WSAM2124KA	K1209306-003A
WSAM2324KA	K1209306-004A
WSAM1814KA	K1209306-005A

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LAWM0912KA	K1209296-001A
WSAM0809KA	K1209296-002A
WSAM1615KA	K1209296-003ADUP

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-7-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LAWM0912KA	**Lab Sample ID:**	K1209296-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	8.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0809KA	**Lab Sample ID:**	K1209296-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	4.2	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24680	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	7.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24680	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KA	**Lab Sample ID:**	K1209296-003AMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.500	1.00	19.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24680

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: WSAM1615KA **Lab Sample ID:** K1209296-003AMSD **Matrix:** Aqueous

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 27-Sep-12 **Date Prepared:** **Date Analyzed:** 11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.500	1.00	18.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615KC	**Lab Sample ID:**	K1209296-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	8.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1722KA	**Lab Sample ID:**	K1209296-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	27-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	5.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0909KA	**Lab Sample ID:**	K1209306-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	17	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1918KA	**Lab Sample ID:**	K1209306-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	8.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2124KA	**Lab Sample ID:**	K1209306-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	22	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24680		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2324KA	**Lab Sample ID:**	K1209306-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	11	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24680	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1814KA	**Lab Sample ID:**	K1209306-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	9.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1851

AAB #: R24680
Contract #:
Date of Initial Calibration: 16-Aug-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1851

AAB #: R24681
Contract #:
Date of Initial Calibration: 16-Aug-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R24680

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: Dionex IC2 **Initial Calibration ID:** 1851

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:**

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Sulfate (as SO4)	20.0	20.0	-0.2	20.0	20.6	2.9			

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: Dionex IC2 **Initial Calibration ID:** 1851

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Sulfate (as SO4)	20.0	19.8	-0.9	20.0	20.2	1.2	20.4	2.3	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24680

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1851

Method Blank ID: MB-24680 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24680

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1851

Method Blank ID: MB-24680 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1851

Method Blank ID: MB-24681 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R24680

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24680 **Initial Calibration ID:** 1851

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	20	20.0	100	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24681 **Initial Calibration ID:** 1851

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	20	19.8	99	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW9056 **AAB #:** R24680

Lab Name: Life Science Laboratories, Inc. **Contract #:**

% Solids: 0 **Initial Calibration ID:** 1851

Parent Field Sample ID: WSAM1615KA **MS ID:** K1209296-003AMS **MSD ID:** K1209296-003AMSD

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Sulfate (as SO4)	7.87	10.0	19.0	111	18.9	110	1	85 - 115	20	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R24680

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
WSAM1615KA	K1209296-003A	26-Sep-12	27-Sep-12	11-Oct-12	28	15.1	
WSAM1615KA	K1209296-003AMS	26-Sep-12	27-Sep-12	11-Oct-12	28	15.1	
WSAM1615KA	K1209296-003AMSD	26-Sep-12	27-Sep-12	11-Oct-12	28	15.2	
WSAM1615KC	K1209296-004A	26-Sep-12	27-Sep-12	11-Oct-12	28	15.2	
WSAM1722KA	K1209296-005A	26-Sep-12	27-Sep-12	11-Oct-12	28	15.0	
WSAM0909KA	K1209306-001A	27-Sep-12	28-Sep-12	11-Oct-12	28	14.1	
WSAM1918KA	K1209306-002A	27-Sep-12	28-Sep-12	11-Oct-12	28	14.2	
WSAM2124KA	K1209306-003A	27-Sep-12	28-Sep-12	11-Oct-12	28	14.1	
WSAM2324KA	K1209306-004A	27-Sep-12	28-Sep-12	11-Oct-12	28	14.1	
WSAM1814KA	K1209306-005A	27-Sep-12	28-Sep-12	11-Oct-12	28	14.2	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LAWM0912KA	K1209296-001A	26-Sep-12	27-Sep-12	12-Oct-12	28	15.7	
WSAM0809KA	K1209296-002A	26-Sep-12	27-Sep-12	12-Oct-12	28	15.9	
WSAM1615KA	K1209296-003ADUP	26-Sep-12	27-Sep-12	12-Oct-12	28	15.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Dionex IC2

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
ICAL 7	ICAL 7	16-Aug-12	8:57	16-Aug-12	9:28
ICAL 1	ICAL 1	16-Aug-12	9:28	16-Aug-12	9:40
ICAL 2	ICAL 2	16-Aug-12	9:40	16-Aug-12	9:53
ICAL 3	ICAL 3	16-Aug-12	9:53	16-Aug-12	10:05
ICAL 4	ICAL 4	16-Aug-12	10:05	16-Aug-12	10:18
ICAL 5	ICAL 5	16-Aug-12	10:18	16-Aug-12	10:31
ICAL 6	ICAL 6	16-Aug-12	10:31	16-Aug-12	10:31
ICV	ICV	11-Oct-12	14:34	11-Oct-12	14:35
LCS-24680	LCS-24680	11-Oct-12	14:35	11-Oct-12	14:47
ICB	ICB	11-Oct-12	14:47	11-Oct-12	14:48
MB-24680	MB-24680	11-Oct-12	14:48	11-Oct-12	14:59
WSAM1615KA	K1209296-003A	11-Oct-12	14:59	11-Oct-12	15:12
WSAM1615KA	K1209296-003AMS	11-Oct-12	15:12	11-Oct-12	15:25
WSAM1615KA	K1209296-003AMSD	11-Oct-12	15:25	11-Oct-12	15:37
WSAM1615KC	K1209296-004A	11-Oct-12	15:37	11-Oct-12	15:50
WSAM1722KA	K1209296-005A	11-Oct-12	15:50	11-Oct-12	16:02
WSAM0909KA	K1209306-001A	11-Oct-12	16:02	11-Oct-12	16:15
WSAM1918KA	K1209306-002A	11-Oct-12	16:15	11-Oct-12	16:28
WSAM2124KA	K1209306-003A	11-Oct-12	16:28	11-Oct-12	16:40
WSAM2324KA	K1209306-004A	11-Oct-12	16:40	11-Oct-12	16:53
WSAM1814KA	K1209306-005A	11-Oct-12	16:53	11-Oct-12	17:05
CCV1	CCV1	11-Oct-12	17:05	11-Oct-12	17:18
CCB1	CCB1	11-Oct-12	17:18	11-Oct-12	17:18
ICV	ICV	12-Oct-12	8:23	12-Oct-12	8:24
LCS-24681	LCS-24681	12-Oct-12	8:24	12-Oct-12	8:36
ICB	ICB	12-Oct-12	8:36	12-Oct-12	8:37
MB-24681	MB-24681	12-Oct-12	8:37	12-Oct-12	9:01
LAWM0912KA	K1209296-001A	12-Oct-12	9:01	12-Oct-12	9:13
WSAM0809KA	K1209296-002A	12-Oct-12	9:13	12-Oct-12	9:26
WSAM1615KA	K1209296-003ADUP	12-Oct-12	9:26	12-Oct-12	11:07
CCV1	CCV1	12-Oct-12	11:07	12-Oct-12	11:20
CCB1	CCB1	12-Oct-12	11:20	12-Oct-12	14:15
CCV2	CCV2	12-Oct-12	14:15	12-Oct-12	14:28
CCB2	CCB2	12-Oct-12	14:28	12-Oct-12	17:39
CCV3	CCV3	12-Oct-12	17:39	12-Oct-12	17:51
CCB3	CCB3	12-Oct-12	17:51	12-Oct-12	18:29
CCV4	CCV4	12-Oct-12	19:19	12-Oct-12	19:32

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Dionex IC2

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
CCB4	CCB4	12-Oct-12	19:32	12-Oct-12	19:32

Comments:

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW9056
Work Order: K1209296
Project: Griffiss AFB - Building 817

CLIENT: FPM Group

Sample ID:	**K1209296-003ADUP**	SampType:	**DUP**	TestCode:	**9056WAF**	Units:	**mg/L**	Prep Date:		RunNo:	**24681**
Client ID:	**WSAM1615KA**	Batch ID:	**R24681**	Method:	**SW9056**			Analysis Date:	**10/12/2012**	SeqNo:	**619651**
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate (as SO4)	7.79	1.00						7.87	1	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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e: *25-Oct-12*

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

Tuesday, November 06, 2012

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - LF6-PERFORMANCE
RE: Analytical Results
Order No.: K1209307, K1210012, K1210052

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received samples on 9/28/2012 to 10/3/2012 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-LF 6 Performance-Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

The discrepancies were noted on the Sample Receipt checklist upon receipt. The temperatures of the well-iced coolers were 2.0, 3.0 and 4.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1
Dissolved Gases	RSK175	1
Sulfate	SW9056	1
Dissolved Organic Carbon	SM5310B	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

2) Standard Methods for the Examination of Water and Wastewater, 18th, 19th, and 20th Editions.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – LF6-Performance
Work Order #:	K1209307, K1210012 and K1210052
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 11/6/12

Supervisor/Reviewed by (Initials/Date): 11/6/12

QA/QC Review (Initials/Date): AC for LK 11/6/12

File Name: U:\Narratives\MSVoa\K1209307msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-24736	MS4	2-Chlorotoluene	20.9		1
CCV-24737	MS4	2-Chlorotoluene	20.6		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
The following compound(s) were detected in the following preparation blank(s) ≥1/2 RL:

Client: FPM
Project/Order: Griffiss AFB – LF6-Performance
Work Order #: K1209307, K1210012 and K1210052
Methodology: 8260B

Preparation Blank	Compound	Concentration	Corrective Action
MB-24736	Methylene chloride	0.50 ug/l	1

1 This analyte is a common laboratory contaminant and the concentration is <3x the RL. The analyte was not detected above the RL in associated samples. The method or QAPP does not require corrective action.

GC Semivolatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – LF6 Performance
Work Order:	K1209307, K1210012, K1210052
Methodology:	RSK-175

Analyzed/Reviewed by (Initials/Date): CAT 11/6/12

Supervisor/Reviewed by (Initials/Date): CAT 11/6/12

QA/QC Review (Initials/Date): Acfor LH 11-6-12

File Name: U:\Narratives\GCSemi\K1209307,K1210012,K1210052DG.doc

Dissolved Gases

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-16014	Ethene	1
LCS-16022	Ethene	1

1. The LCS and LCSD marginally exceeded the lower control limit. Samples were qualified with a "Q" flag.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – LF6-Performance
Work Order #:	K1209307, K1210012, K1210052
Methodology:	Sulfate - Ion Chromatography - SW9056
	Dissolved Organic Carbon – SM 5310 B

Analyzed/Reviewed by (Date/Initials): 10-25-12 MJ

Supervisor/Reviewed by (Date/Initials): 10-25-12 MJ

QA/QC Review (Date/Initials): 11-5-12 Mc for LK

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *05-Nov-12*

CLIENT: FPM Group
Project: Griffiss AFB - LF6-Performance
Lab Order: K1209307

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1209307-001A	LF6VM13R31KA	LF6VMW-13R	9/27/2012	9/28/2012
K1209307-001B	LF6VM13R31KA	LF6VMW-13R	9/27/2012	9/28/2012
K1209307-001C	LF6VM13R31KA	LF6VMW-13R	9/27/2012	9/28/2012
K1209307-002A	LF6VM13RD35KA	LF6VMW-13RD	9/27/2012	9/28/2012
K1209307-002B	LF6VM13RD35KA	LF6VMW-13RD	9/27/2012	9/28/2012
K1209307-002C	LF6VM13RD35KA	LF6VMW-13RD	9/27/2012	9/28/2012
K1209307-003A	LF6SW01PM01KA	LF6SW-1PM	9/27/2012	9/28/2012
K1209307-003B	LF6SW01PM01KA	LF6SW-1PM	9/27/2012	9/28/2012
K1209307-003C	LF6SW01PM01KA	LF6SW-1PM	9/27/2012	9/28/2012
K1209307-004A	092712KE	FIELDQC	9/27/2012	9/28/2012
K1209307-004B	092712KE	FIELDQC	9/27/2012	9/28/2012
K1209307-004C	092712KE	FIELDQC	9/27/2012	9/28/2012
K1209307-005A	092712KF	FIELDQC	9/27/2012	9/28/2012
K1209307-006A	092712KR	FIELDQC	9/27/2012	9/28/2012

Life Science Laboratories, Inc.

Date: *05-Nov-12*

CLIENT: FPM Group
Project: Griffiss AFB - LF6-Performance
Lab Order: K1210012

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1210012-001A	LF6M2046KA	LF6MW-20	9/28/2012	10/1/2012
K1210012-001B	LF6M2046A	LF6MW-20	9/28/2012	10/1/2012
K1210012-001C	LF6M2046A	LF6MW-20	9/28/2012	10/1/2012
K1210012-002A	LF6VM2650KA	WL-LF6VMW-26	9/28/2012	10/1/2012
K1210012-002B	LF6VM2650KA	WL-LF6VMW-26	9/28/2012	10/1/2012
K1210012-002C	LF6VM2650KA	WL-LF6VMW-26	9/28/2012	10/1/2012
K1210012-003A	LF6M3145KA	LF6MW-31	9/28/2012	10/1/2012
K1210012-003B	LF6M3145KA	LF6MW-31	9/28/2012	10/1/2012
K1210012-003C	LF6M3145KA	LF6MW-31	9/28/2012	10/1/2012
K1210012-004A	LF6T3304KA	WL-LF6TW-33	9/28/2012	10/1/2012
K1210012-004B	LF6T3304KA	WL-LF6TW-33	9/28/2012	10/1/2012
K1210012-004C	LF6T3304KA	WL-LF6TW-33	9/28/2012	10/1/2012
K1210012-005A	LF6T3406KA	WL-LF6TW-34	9/28/2012	10/1/2012
K1210012-005B	LF6T3406KA	WL-LF6TW-34	9/28/2012	10/1/2012
K1210012-005C	LF6T3406KA	WL-LF6TW-34	9/28/2012	10/1/2012
K1210012-006A	LF6T3505KA	WL-LF6TW-35	9/28/2012	10/1/2012
K1210012-006B	LF6T3505KA	WL-LF6TW-35	9/28/2012	10/1/2012
K1210012-006C	LF6T3505KA	WL-LF6TW-35	9/28/2012	10/1/2012
K1210012-007A	LF6T3602KA	WL-LF6TW-36	9/28/2012	10/1/2012
K1210012-007B	LF6T3602KA	WL-LF6TW-36	9/28/2012	10/1/2012
K1210012-007C	LF6T3602KA	WL-LF6TW-36	9/28/2012	10/1/2012
K1210012-008A	LF6T3805KA	WL-LF6TW-38	9/28/2012	10/1/2012
K1210012-008B	LF6T3805KA	WL-LF6TW-38	9/28/2012	10/1/2012
K1210012-008C	LF6T3805KA	WL-LF6TW-38	9/28/2012	10/1/2012
K1210012-009A	LF6M3920KA	LF6MW-39	9/28/2012	10/1/2012
K1210012-009B	LF6M3920KA	LF6MW-39	9/28/2012	10/1/2012
K1210012-009C	LF6M3920KA	LF6MW-39	9/28/2012	10/1/2012
K1210012-010A	092812KE	FIELDQC	9/28/2012	10/1/2012
K1210012-010B	092812KE	FIELDQC	9/28/2012	10/1/2012
K1210012-010C	092812KE	FIELDQC	9/28/2012	10/1/2012
K1210012-011A	092812KF	FIELDQC	9/28/2012	10/1/2012
K1210012-012A	092812KR	FIELDQC	9/28/2012	10/1/2012

Life Science Laboratories, Inc.

Date: *05-Nov-12*

CLIENT: FPM Group
Project: Griffiss AFB - LF6-Performance
Lab Order: K1210052

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1210052-001A	LF6M1645KA	LF6MW-16	10/1/2012	10/3/2012
K1210052-001B	LF6M1645KA	LF6MW-16	10/1/2012	10/3/2012
K1210052-001C	LF6M1645KA	LF6MW-16	10/1/2012	10/3/2012
K1210052-002A	LF6M1750KA	LF6MW-17	10/1/2012	10/3/2012
K1210052-002B	LF6M1750KA	LF6MW-17	10/1/2012	10/3/2012
K1210052-002C	LF6M1750KA	LF6MW-17	10/1/2012	10/3/2012
K1210052-003A	LF6M1750KC	LF6MW-17	10/1/2012	10/3/2012
K1210052-003B	LF6M1750KC	LF6MW-17	10/1/2012	10/3/2012
K1210052-003C	LF6M1750KC	LF6MW-17	10/1/2012	10/3/2012
K1210052-004A	100112KE	FIELDQC	10/1/2012	10/3/2012
K1210052-004B	100112KE	FIELDQC	10/1/2012	10/3/2012
K1210052-004C	100112KE	FIELDQC	10/1/2012	10/3/2012
K1210052-005A	100112KF	FIELDQC	10/1/2012	10/3/2012
K1210052-006A	100112KR	FIELDQC	10/1/2012	10/3/2012

Life Science Laboratories, Inc.

Lab Order: K1209307
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1209307-001A	LF6VM13R31KA	9/27/2012 12:20:00 PM	Groundwater	Inorganic anions by IC			10/12/2012
K1209307-001B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209307-001C				Dissolved organic carbon (DOC)			10/11/2012
K1209307-002A	LF6VM13RD35KA	9/27/2012 10:26:00 AM		Inorganic anions by IC			10/12/2012
K1209307-002B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209307-002C				Dissolved organic carbon (DOC)			10/11/2012
K1209307-003A	LF6SW01PM01KA	9/27/2012 1:30:00 PM	Surface Water	Inorganic anions by IC			10/12/2012
K1209307-003B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209307-003C				Dissolved organic carbon (DOC)			10/11/2012
K1209307-004A	092712KE	9/27/2012 4:00:00 PM	Water Q	Inorganic anions by IC			10/12/2012
K1209307-004B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1209307-004C				Dissolved organic carbon (DOC)			10/11/2012
K1209307-005A	092712KF	9/27/2012 10:25:00 AM		Volatile Organic Compounds by GC/MS			10/3/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1209307-006A	092712KR	9/27/2012 9:00:00 AM		Volatile Organic Compounds by GC/MS			10/3/2012

Lab Order: K1210012
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1210012-001A	LF6M2046KA	9/28/2012 11:24:00 AM	Groundwater	Inorganic anions by IC			10/12/2012
K1210012-001B	LF6M2046A			Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1210012-001C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-002A	LF6VM2650KA	9/28/2012 2:40:00 PM		Inorganic anions by IC			10/12/2012
K1210012-002B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1210012-002C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-003A	LF6M3145KA	9/28/2012 10:36:00 AM		Inorganic anions by IC			10/12/2012
K1210012-003B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1210012-003C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-004A	LF6T3304KA	9/28/2012 1:12:00 PM		Inorganic anions by IC			10/12/2012
K1210012-004B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1210012-004C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-005A	LF6T3406KA	9/28/2012 11:18:00 AM		Inorganic anions by IC			10/12/2012
K1210012-005B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1210012-005C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-006A	LF6T3505KA	9/28/2012 1:40:00 PM		Inorganic anions by IC			10/12/2012
K1210012-006B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1210012-006C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-007A	LF6T3602KA	9/28/2012 2:50:00 PM		Inorganic anions by IC			10/12/2012
K1210012-007B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1210012-007C				Dissolved organic carbon (DOC)			10/12/2012

Lab Order: K1210012
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1210012-008A	LF6T3805KA	9/28/2012 2:24:00 PM	Groundwater	Inorganic anions by IC			10/12/2012
K1210012-008B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/3/2012
K1210012-008C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-009A	LF6M3920KA	9/28/2012 1:48:00 PM		Inorganic anions by IC			10/12/2012
K1210012-009B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1210012-009C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-010A	092812KE	9/28/2012 3:30:00 PM	Water Q	Inorganic anions by IC			10/12/2012
K1210012-010B				Dissolved Gases by GC/FID		10/8/2012	10/8/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1210012-010C				Dissolved organic carbon (DOC)			10/12/2012
K1210012-011A	092812KF	9/28/2012 11:30:00 AM		Volatile Organic Compounds by GC/MS			10/4/2012
K1210012-012A	092812KR	9/28/2012 9:00:00 AM		Volatile Organic Compounds by GC/MS			10/4/2012

Life Science Laboratories, Inc.

Lab Order: K1210052
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1210052-001A	LF6M1645KA	10/1/2012 11:02:00 AM	Groundwater	Inorganic anions by IC			10/12/2012
K1210052-001B				Dissolved Gases by GC/FID		10/9/2012	10/9/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1210052-001C				Dissolved organic carbon (DOC)			10/15/2012
K1210052-002A	LF6M1750KA	10/1/2012 11:32:00 AM		Inorganic anions by IC			10/12/2012
K1210052-002B				Dissolved Gases by GC/FID		10/9/2012	10/9/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1210052-002C				Dissolved organic carbon (DOC)			10/15/2012
K1210052-003A	LF6M1750KC			Inorganic anions by IC			10/12/2012
K1210052-003B				Dissolved Gases by GC/FID		10/9/2012	10/9/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1210052-003C				Dissolved organic carbon (DOC)			10/15/2012
K1210052-004A	100112KE	10/1/2012 4:45:00 PM	Water Q	Inorganic anions by IC			10/12/2012
K1210052-004B				Dissolved Gases by GC/FID		10/9/2012	10/9/2012
				Volatile Organic Compounds by GC/MS			10/4/2012
K1210052-004C				Dissolved organic carbon (DOC)			10/15/2012
K1210052-005A	100112KF	10/1/2012 11:40:00 AM		Volatile Organic Compounds by GC/MS			10/4/2012
K1210052-006A	100112KR	10/1/2012 9:30:00 AM		Volatile Organic Compounds by GC/MS			10/4/2012

External Chain of Custody

K1209307

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _283/4_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Katrina Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6VM13R31KA	LF6VMW-13R	9/27	1220	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
002	LF6VM13RD35KA	LF6VMW-13RD	9/27	1026	WG	BP	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
003	LF6SW01PM01KA	LF6SW-1PM	9/27	1330	WG	G	N	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
004	092712KE	FIELDQC	9/27	1600	WQ	BP	EB	0/0	7	3	1	1	2	DOC, unpreserved, unfiltered
005	092712KF	FIELDQC	9/27	1025	WQ	NA	AB	0/0	3	3	-	-	-	
006	092712KR	FIELDQC	9/27	0900	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 4.0 °C on Ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

K1209307

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) Kathy Matthies	Date 9/28/12	#3 Released by: (Sig) Bill Donaldson	Date: 9-28-12
Company Name:	Time:	Company Name: FPM Ltd	Time: 1015	Company Name: Life Science Labs	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 9-28-12	#3 Received by: (Sig)	Date: 9-28-12
Company Name:	Time:	Company Name: Life Science Labs	Time: 10:15	Company Name: LSL	Time: 15:00

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **9/28/2012 3:00:00 PM**

Work Order Number: **K1209307**

Received by: gis

Checklist completed by: BS (Initials) 9-28-12 (Date)

Reviewed by: AC (Initials) 10-1-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

1210012

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _284_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: K. Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6M2046KA	LF6MW-20	9/28	1124	WG	BP	N	0/0	7	3	1	1	2	
002	LF6VM2650KA	WL-LF6VMW-26	9/28	1440	WG	BP	N	0/0	7	3	1	1	2	
003	LF6M3145KA	LF6MW-31	9/28	1036	WG	BP	N	0/0	7	3	1	1	2	
004	LF6T3304KA	LF6TW-33	9/28	1312	WG	B	N	0/0	7	3	1	1	2	
005	LF6T3406KA	LF6TW-34	9/28	1118	WG	B	N	0/0	7	3	1	1	2	
006	LF6T3505KA	LF6TW-35	9/28	1340	WG	B	N	0/0	7	3	1	1	2	
007	LF6T3602KA	LF6TW-36	9/28	1450	WG	B	N	0/0	7	3	1	1	2	
008	LF6T3805KA	LF6TW-38	9/28	1424	WG	B	N	0/0	7	3	1	1	2	
009	LF6M3920KA	LF6MW-39	9/28	1348	WG	BP	N	0/0	7	3	1	1	2	
010	092812KE	FIELDQC	9/28	1530	WQ	BP	EB	0/0	7	3	1	1	2	
011	092812KF	FIELDQC	9/28	1130	WQ	NA	AB	0/0	3	3	-	-	-	
012	092812KR	FIELDQC	9/28	0900	WQ	NA	TB	0/0	2	2	-	-	-	

K1210012

Sample Condition Upon Receipt at Laboratory:	Cooler temperature: 2.0° on Ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)
Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) 10/1/12	Date: Kimatt	#3 Released by: (Sig)	Date: 10/1/12
Company Name:	Time:	Company Name: TPM	Time: 0935	Company Name: LSL	Time: 11:35
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig)	Date: 10/1/12	#3 Received by: (Sig)	Date: 10-1-12
Company Name:	Time:	Company Name: LSL	Time: 0935	Company Name: LSL	Time: 12:15

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **10/1/2012 12:15:00 PM**

Work Order Number: **K1210012**

Received by: gis

Checklist completed by: GS (Initials) 10-1-12 (Date) Reviewed by: AC (Initials) 10-2-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Confirmed with Katrina Mattice that DOC samples are unfiltered and unpreserved. (GIS 10/01/12)

Corrective Action:

K1210052

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _284_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Katrina Mattice	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2012	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial (HCL)	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6M1645KA	LF6MW-16	10/1	1102	WG	BP	N	0/0	7	3	1	1	2	
002	LF6M1750KA	LF6MW-17	10/1	1132	WG	BP	N	0/0	7	3	1	1	2	
003	LF6M1750KC	LF6MW-17	10/1	1132	WG	BP	FD	0/0	7	3	1	1	2	
004	100112KE	FIELDQC	10/1	1645	WQ	BP	EB	0/0	7	3	1	1	2	
005	100112KF	FIELDQC	10/1	1140	WQ	NA	AB	0/0	2	2	-	-	-	
006	100112KR	FIELDQC	10/1	930	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 3.0° on Ice

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date 10/3/12	#3 Released by: (Sig) Bill Donaldson	Date: 10-3-12
Company Name: .	Time:	Company Name:	Time: 0940	Company Name: Life Science Labs	Time:
#1 Received by: (Sig)	Date: :	#2 Received by: (Sig) Bill Donaldson	Date: 10-3-12	#3 Received by: (Sig)	Date: 10-3-12
		Life Science Labs	9:45	LSL	16:45

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **10/3/2012 4:45:00 PM**

Work Order Number: **K1210052**

Received by: gis

Checklist completed by: GS (Initials) 10-3-12 (Date)

Reviewed by: AC (Initials) 10-4-12 (Date)

Delivery Method: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

DOC samples are unfiltered and unpreserved. (GIS 10/04/12)

Corrective Action:

Client/Project FPM / K1209307 Rec'd 9-28-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1209307-001→6	B/A			Stored in Fridge 1B	8260	9/28/12 1715
K1209307-001→6	B/A		(MW)	10/3/12 0945	8260	NR
K1209307-001-4	B		MT	10/8/12 0800	RSK175	NR
K1209307-001→004	C		MT	10/11/12 0900	5310B	10/11/12 1600
K1209307-001-004	A		MT	10/12/12 0900	9056	10/12/12 1600

Client/Project FPM / 1210012 Rec'd 10-1-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1210012-001→12	B/A			Stored in fridge 1B	8260	10/1/12 1600
K1210012-001→2,4→8	B		LW	10/3/12 0830	8260	NR
K1210012-003,6,9→12	B/A		LW	10/4/12 0500	8260	NR
K1210012-001-10	B		CM	10/8/12 0800	RSK175	NR
K1210012-001-010	A		MT	10/12/12 0900	9056	10/12/12 1630
K1210012-001-010	C		MT	10/12/12 0930	5310B	10/12/12 1600

Client/Project FPM / K1210052 Rec'd 10-3-12

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1210052-001→6	B/A			Stored in Fridge 1B	8260	10/3/12 1730
K1210052-001→6	B/A		(CW)	10/4/12 0500	8260	NR
K1210052-001-4	B		CS	10/9/12 0802	RSK175	NR
K1210052-001-004	A		MT	10/12/12 0900	9056	10/12/12 1630
K1210052-001-004	C		MT	10/15/12 0910	5310B	10/15/12 1600

Analytical Results

GC/MS Volatile Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R24736

Lab Name: Life Science Laboratories, Inc.

Contract Number:

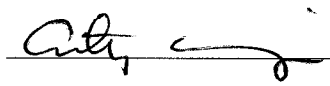
Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31KA	K1209307-001B
LF6VM13RD35KA	K1209307-002B
LF6SW01PM01KA	K1209307-003B
092712KE	K1209307-004B
092712KF	K1209307-005A
092712KR	K1209307-006A
LF6M2046A	K1210012-001B
LF6VM2650KA	K1210012-002B
LF6T3304KA	K1210012-004B
LF6T3406KA	K1210012-005B
LF6T3602KA	K1210012-007B
LF6T3805KA	K1210012-008B

Comments:

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

Signature: 

Name: Anthony Crescenzi

Date: 11-5-12

Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R24737

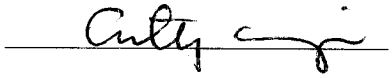
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
092712KF	K1209307-005A
LF6M3145KA	K1210012-003B
LF6T3505KA	K1210012-006B
LF6M3920KA	K1210012-009B
092812KE	K1210012-010B
092812KF	K1210012-011A
092812KR	K1210012-012A
LF6M1645KA	K1210052-001B
LF6M1750KA	K1210052-002B
LF6M1750KC	K1210052-003B
100112KE	K1210052-004B
100112KF	K1210052-005A
100112KR	K1210052-006A

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0603.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0603.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.200	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0603.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	222603	121878 - 487512	
Chlorobenzene-d5	480178	242134 - 968538	
Fluorobenzene	1211290	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0604.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0604.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0604.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	222002	121878 - 487512	
Chlorobenzene-d5	483388	242134 - 968538	
Fluorobenzene	1197750	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0605.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0605.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.180	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0605.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	216884	121878 - 487512	
Chlorobenzene-d5	485859	242134 - 968538	
Fluorobenzene	1206827	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0606.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.51	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0606.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.600	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0606.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	223788	121878 - 487512	
Chlorobenzene-d5	504166	242134 - 968538	
Fluorobenzene	1255354	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0608.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.18	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0608.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.800	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0608.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		**U**

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	220487	121878 - 487512	
Chlorobenzene-d5	499631	242134 - 968538	
Fluorobenzene	1246921	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0619.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.05	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0619.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.760	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KF	**Lab Sample ID:**	K1209307-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0619.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	252173	121878 - 487512	
Chlorobenzene-d5	563913	242134 - 968538	
Fluorobenzene	1421070	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KR	**Lab Sample ID:**	K1209307-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0607.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	3.48	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KR	**Lab Sample ID:**	K1209307-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0607.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.560	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KR	**Lab Sample ID:**	K1209307-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0607.D
Date Received:	28-Sep-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	221468	121878 - 487512	
Chlorobenzene-d5	492622	242134 - 968538	
Fluorobenzene	1226192	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046A	**Lab Sample ID:**	K1210012-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0593.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	10.0	100	10.0	50		U
1,1,1,2-Tetrachloroethane	8.00	25.0	8.00	50		U
1,1,1-Trichloroethane	5.00	50.0	5.00	50		U
1,1,2,2-Tetrachloroethane	5.00	25.0	5.00	50		U
1,1,2-Trichloroethane	8.00	50.0	8.00	50		U
1,1-Dichloroethane	5.00	50.0	5.00	50		U
1,1-Dichloroethene	8.00	50.0	8.00	50		U
1,1-Dichloropropene	5.00	50.0	5.00	50		U
1,2,3-Trichlorobenzene	5.00	50.0	5.00	50		U
1,2,3-Trichloropropane	16.5	100	16.5	50		U
1,2,4-Trichlorobenzene	5.00	50.0	5.00	50		U
1,2,4-Trimethylbenzene	5.00	50.0	5.00	50		U
1,2-Dibromo-3-chloropropane	50.0	250	50.0	50		U
1,2-Dibromoethane	8.00	50.0	8.00	50		U
1,2-Dichlorobenzene	5.00	50.0	5.00	50		U
1,2-Dichloroethane	8.00	25.0	8.00	50		U
1,2-Dichloropropane	8.00	50.0	8.00	50		U
1,3,5-Trimethylbenzene	5.00	50.0	5.00	50		U
1,3-Dichlorobenzene	5.00	50.0	5.00	50		U
1,3-Dichloropropane	5.00	25.0	5.00	50		U
1,4-Dichlorobenzene	8.00	25.0	8.00	50		U
1-Chlorohexane	8.00	50.0	8.00	50		U
2,2-Dichloropropane	16.5	50.0	16.5	50		U
2-Butanone	50.0	500	50.0	50		U
2-Chlorotoluene	5.00	50.0	5.00	50		U
4-Chlorotoluene	5.00	50.0	5.00	50		U
4-Methyl-2-pentanone	50.0	500	50.0	50		U
Acetone	50.0	500	50.0	50		U
Benzene	5.00	25.0	5.00	50		U
Bromobenzene	5.00	50.0	5.00	50		U
Bromochloromethane	5.00	50.0	5.00	50		U
Bromodichloromethane	5.00	25.0	5.00	50		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046A	**Lab Sample ID:**	K1210012-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0593.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	16.5	50.0	16.5	50		U
Bromomethane	16.5	150	16.5	50		U
Carbon tetrachloride	5.00	50.0	5.00	50		U
Chlorobenzene	5.00	25.0	5.00	50		U
Chloroethane	16.5	50.0	16.5	50		U
Chloroform	5.00	25.0	5.00	50		U
Chloromethane	16.5	50.0	16.5	50		U
cis-1,2-Dichloroethene	5.00	50.0	699	50		
cis-1,3-Dichloropropene	8.00	25.0	8.00	50		U
Dibromochloromethane	5.00	25.0	5.00	50		U
Dibromomethane	8.00	50.0	8.00	50		U
Dichlorodifluoromethane	5.00	50.0	5.00	50		U
Ethylbenzene	5.00	50.0	5.00	50		U
Hexachlorobutadiene	5.00	50.0	5.00	50		U
Isopropylbenzene	5.00	50.0	5.00	50		U
Methyl tert-butyl ether	8.00	250	8.00	50		U
Methylene chloride	8.00	50.0	30.5	50		F
n-Butylbenzene	5.00	50.0	5.00	50		U
n-Propylbenzene	5.00	50.0	5.00	50		U
Naphthalene	5.00	50.0	5.00	50		U
o-Xylene	5.00	50.0	5.00	50		U
p-Isopropyltoluene	8.00	50.0	8.00	50		U
sec-Butylbenzene	8.00	50.0	8.00	50		U
Styrene	5.00	50.0	5.00	50		U
tert-Butylbenzene	5.00	50.0	5.00	50		U
Tetrachloroethene	5.00	50.0	6.00	50		F
Toluene	5.00	50.0	5.00	50		U
trans-1,2-Dichloroethene	5.00	50.0	25.5	50		F
trans-1,3-Dichloropropene	8.00	50.0	8.00	50		U
Trichloroethene	5.00	50.0	157	50		
Trichlorofluoromethane	5.00	50.0	5.00	50		U
Vinyl chloride	16.5	50.0	16.5	50		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046A	**Lab Sample ID:**	K1210012-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0593.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	15.0	100	15.0	50		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	237336	121878 - 487512	
Chlorobenzene-d5	487232	242134 - 968538	
Fluorobenzene	1230044	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0594.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.600	6.00	0.600	3		U
1,1,1,2-Tetrachloroethane	0.480	1.50	0.480	3		U
1,1,1-Trichloroethane	0.300	3.00	0.300	3		U
1,1,2,2-Tetrachloroethane	0.300	1.50	0.300	3		U
1,1,2-Trichloroethane	0.480	3.00	0.480	3		U
1,1-Dichloroethane	0.300	3.00	0.300	3		U
1,1-Dichloroethene	0.480	3.00	0.480	3		U
1,1-Dichloropropene	0.300	3.00	0.300	3		U
1,2,3-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,3-Trichloropropane	0.990	6.00	0.990	3		U
1,2,4-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,4-Trimethylbenzene	0.300	3.00	0.300	3		U
1,2-Dibromo-3-chloropropane	3.00	15.0	3.00	3		U
1,2-Dibromoethane	0.480	3.00	0.480	3		U
1,2-Dichlorobenzene	0.300	3.00	0.300	3		U
1,2-Dichloroethane	0.480	1.50	0.480	3		U
1,2-Dichloropropane	0.480	3.00	0.480	3		U
1,3,5-Trimethylbenzene	0.300	3.00	0.300	3		U
1,3-Dichlorobenzene	0.300	3.00	0.300	3		U
1,3-Dichloropropane	0.300	1.50	0.300	3		U
1,4-Dichlorobenzene	0.480	1.50	0.480	3		U
1-Chlorohexane	0.480	3.00	0.480	3		U
2,2-Dichloropropane	0.990	3.00	0.990	3		U
2-Butanone	3.00	30.0	3.00	3		U
2-Chlorotoluene	0.300	3.00	0.300	3		U
4-Chlorotoluene	0.300	3.00	0.300	3		U
4-Methyl-2-pentanone	3.00	30.0	3.00	3		U
Acetone	3.00	30.0	3.00	3		U
Benzene	0.300	1.50	0.300	3		U
Bromobenzene	0.300	3.00	0.300	3		U
Bromochloromethane	0.300	3.00	0.300	3		U
Bromodichloromethane	0.300	1.50	0.300	3		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0594.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.990	3.00	0.990	3		U
Bromomethane	0.990	9.00	0.990	3		U
Carbon tetrachloride	0.300	3.00	0.300	3		U
Chlorobenzene	0.300	1.50	0.300	3		U
Chloroethane	0.990	3.00	0.990	3		U
Chloroform	0.300	1.50	0.630	3		F
Chloromethane	0.990	3.00	0.990	3		U
cis-1,2-Dichloroethene	0.300	3.00	89.5	3		
cis-1,3-Dichloropropene	0.480	1.50	0.480	3		U
Dibromochloromethane	0.300	1.50	0.300	3		U
Dibromomethane	0.480	3.00	0.480	3		U
Dichlorodifluoromethane	0.300	3.00	0.300	3		U
Ethylbenzene	0.300	3.00	0.300	3		U
Hexachlorobutadiene	0.300	3.00	0.300	3		U
Isopropylbenzene	0.300	3.00	0.300	3		U
Methyl tert-butyl ether	0.480	15.0	0.480	3		U
Methylene chloride	0.480	3.00	5.25	3		
n-Butylbenzene	0.300	3.00	0.300	3		U
n-Propylbenzene	0.300	3.00	0.300	3		U
Naphthalene	0.300	3.00	0.300	3		U
o-Xylene	0.300	3.00	0.300	3		U
p-Isopropyltoluene	0.480	3.00	0.480	3		U
sec-Butylbenzene	0.480	3.00	0.480	3		U
Styrene	0.300	3.00	0.300	3		U
tert-Butylbenzene	0.300	3.00	0.300	3		U
Tetrachloroethene	0.300	3.00	0.360	3		F
Toluene	0.300	3.00	0.300	3		U
trans-1,2-Dichloroethene	0.300	3.00	0.300	3		U
trans-1,3-Dichloropropene	0.480	3.00	0.480	3		U
Trichloroethene	0.300	3.00	0.300	3		U
Trichlorofluoromethane	0.300	3.00	0.300	3		U
Vinyl chloride	0.990	3.00	0.990	3		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0594.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.900	6.00	0.900	3		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	242888	121878 - 487512	
Chlorobenzene-d5	527875	242134 - 968538	
Fluorobenzene	1336483	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0620.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0620.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.140	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.200	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.440	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0620.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	251269	121878 - 487512	
Chlorobenzene-d5	567729	242134 - 968538	
Fluorobenzene	1445121	574162 - 2296648	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0595.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	5.00	5		U
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0595.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	71.3	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	2.80	5		F
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	0.500	5		U
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	127	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0595.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	237775	121878 - 487512	
Chlorobenzene-d5	522096	242134 - 968538	
Fluorobenzene	1317395	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0596.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	5.00	5		U
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0596.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	63.8	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	2.95	5		F
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	27.8	5		
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	230	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0596.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	233358	121878 - 487512	
Chlorobenzene-d5	498943	242134 - 968538	
Fluorobenzene	1249087	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0621.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0621.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	6.95	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.210	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	29.6	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0621.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	238319	121878 - 487512	
Chlorobenzene-d5	550702	242134 - 968538	
Fluorobenzene	1413861	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0597.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	5.00	5		U
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0597.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	40.0	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	3.40	5		F
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	1.20	5		F
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	263	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0597.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	228968	121878 - 487512	
Chlorobenzene-d5	491038	242134 - 968538	
Fluorobenzene	1227907	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0598.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.600	6.00	0.600	3		U
1,1,1,2-Tetrachloroethane	0.480	1.50	0.480	3		U
1,1,1-Trichloroethane	0.300	3.00	0.300	3		U
1,1,2,2-Tetrachloroethane	0.300	1.50	0.300	3		U
1,1,2-Trichloroethane	0.480	3.00	0.480	3		U
1,1-Dichloroethane	0.300	3.00	0.300	3		U
1,1-Dichloroethene	0.480	3.00	0.480	3		U
1,1-Dichloropropene	0.300	3.00	0.300	3		U
1,2,3-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,3-Trichloropropane	0.990	6.00	0.990	3		U
1,2,4-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,4-Trimethylbenzene	0.300	3.00	0.300	3		U
1,2-Dibromo-3-chloropropane	3.00	15.0	3.00	3		U
1,2-Dibromoethane	0.480	3.00	0.480	3		U
1,2-Dichlorobenzene	0.300	3.00	0.300	3		U
1,2-Dichloroethane	0.480	1.50	0.480	3		U
1,2-Dichloropropane	0.480	3.00	0.480	3		U
1,3,5-Trimethylbenzene	0.300	3.00	0.300	3		U
1,3-Dichlorobenzene	0.300	3.00	0.300	3		U
1,3-Dichloropropane	0.300	1.50	0.300	3		U
1,4-Dichlorobenzene	0.480	1.50	0.480	3		U
1-Chlorohexane	0.480	3.00	0.480	3		U
2,2-Dichloropropane	0.990	3.00	0.990	3		U
2-Butanone	3.00	30.0	3.00	3		U
2-Chlorotoluene	0.300	3.00	0.300	3		U
4-Chlorotoluene	0.300	3.00	0.300	3		U
4-Methyl-2-pentanone	3.00	30.0	3.00	3		U
Acetone	3.00	30.0	3.00	3		U
Benzene	0.300	1.50	0.300	3		U
Bromobenzene	0.300	3.00	0.300	3		U
Bromochloromethane	0.300	3.00	0.300	3		U
Bromodichloromethane	0.300	1.50	0.300	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0598.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.990	3.00	0.990	3		U
Bromomethane	0.990	9.00	0.990	3		U
Carbon tetrachloride	0.300	3.00	0.300	3		U
Chlorobenzene	0.300	1.50	0.300	3		U
Chloroethane	0.990	3.00	0.990	3		U
Chloroform	0.300	1.50	0.300	3		U
Chloromethane	0.990	3.00	0.990	3		U
cis-1,2-Dichloroethene	0.300	3.00	52.3	3		
cis-1,3-Dichloropropene	0.480	1.50	0.480	3		U
Dibromochloromethane	0.300	1.50	0.300	3		U
Dibromomethane	0.480	3.00	0.480	3		U
Dichlorodifluoromethane	0.300	3.00	0.300	3		U
Ethylbenzene	0.300	3.00	0.300	3		U
Hexachlorobutadiene	0.300	3.00	0.300	3		U
Isopropylbenzene	0.300	3.00	0.300	3		U
Methyl tert-butyl ether	0.480	15.0	0.480	3		U
Methylene chloride	0.480	3.00	2.01	3		F
n-Butylbenzene	0.300	3.00	0.300	3		U
n-Propylbenzene	0.300	3.00	0.300	3		U
Naphthalene	0.300	3.00	0.300	3		U
o-Xylene	0.300	3.00	0.300	3		U
p-Isopropyltoluene	0.480	3.00	0.480	3		U
sec-Butylbenzene	0.480	3.00	0.480	3		U
Styrene	0.300	3.00	0.300	3		U
tert-Butylbenzene	0.300	3.00	0.300	3		U
Tetrachloroethene	0.300	3.00	0.300	3		U
Toluene	0.300	3.00	0.300	3		U
trans-1,2-Dichloroethene	0.300	3.00	0.300	3		U
trans-1,3-Dichloropropene	0.480	3.00	0.480	3		U
Trichloroethene	0.300	3.00	111	3		
Trichlorofluoromethane	0.300	3.00	0.300	3		U
Vinyl chloride	0.990	3.00	0.990	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0598.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	03-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.900	6.00	0.900	3		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	233749	121878 - 487512	
Chlorobenzene-d5	510648	242134 - 968538	
Fluorobenzene	1281455	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0622.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0622.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.350	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0622.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	250461	121878 - 487512	
Chlorobenzene-d5	573900	242134 - 968538	
Fluorobenzene	1460634	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0623.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.43	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0623.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.800	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0623.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	248492	121878 - 487512	
Chlorobenzene-d5	569359	242134 - 968538	
Fluorobenzene	1437989	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KF	**Lab Sample ID:**	K1210012-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0624.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.31	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KF	**Lab Sample ID:**	K1210012-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0624.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.970	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KF	**Lab Sample ID:**	K1210012-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0624.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	245847	121878 - 487512	
Chlorobenzene-d5	562929	242134 - 968538	
Fluorobenzene	1421007	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KR	**Lab Sample ID:**	K1210012-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0625.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.38	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KR	**Lab Sample ID:**	K1210012-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0625.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.540	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KR	**Lab Sample ID:**	K1210012-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0625.D
Date Received:	01-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		**U**

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	105	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	232416	121878 - 487512	
Chlorobenzene-d5	531498	242134 - 968538	
Fluorobenzene	1351890	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0616.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	5.00	50.0	5.00	25		U
1,1,1,2-Tetrachloroethane	4.00	12.5	4.00	25		U
1,1,1-Trichloroethane	2.50	25.0	2.50	25		U
1,1,2,2-Tetrachloroethane	2.50	12.5	2.50	25		U
1,1,2-Trichloroethane	4.00	25.0	4.00	25		U
1,1-Dichloroethane	2.50	25.0	2.50	25		U
1,1-Dichloroethene	4.00	25.0	4.00	25		U
1,1-Dichloropropene	2.50	25.0	2.50	25		U
1,2,3-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,3-Trichloropropane	8.25	50.0	8.25	25		U
1,2,4-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,4-Trimethylbenzene	2.50	25.0	2.50	25		U
1,2-Dibromo-3-chloropropane	25.0	125	25.0	25		U
1,2-Dibromoethane	4.00	25.0	4.00	25		U
1,2-Dichlorobenzene	2.50	25.0	2.50	25		U
1,2-Dichloroethane	4.00	12.5	4.00	25		U
1,2-Dichloropropane	4.00	25.0	4.00	25		U
1,3,5-Trimethylbenzene	2.50	25.0	2.50	25		U
1,3-Dichlorobenzene	2.50	25.0	2.50	25		U
1,3-Dichloropropane	2.50	12.5	2.50	25		U
1,4-Dichlorobenzene	4.00	12.5	4.00	25		U
1-Chlorohexane	4.00	25.0	4.00	25		U
2,2-Dichloropropane	8.25	25.0	8.25	25		U
2-Butanone	25.0	250	25.0	25		U
2-Chlorotoluene	2.50	25.0	2.50	25		U
4-Chlorotoluene	2.50	25.0	2.50	25		U
4-Methyl-2-pentanone	25.0	250	25.0	25		U
Acetone	25.0	250	25.0	25		U
Benzene	2.50	12.5	2.50	25		U
Bromobenzene	2.50	25.0	2.50	25		U
Bromochloromethane	2.50	25.0	2.50	25		U
Bromodichloromethane	2.50	12.5	2.50	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0616.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	8.25	25.0	8.25	25		U
Bromomethane	8.25	75.0	8.25	25		U
Carbon tetrachloride	2.50	25.0	2.50	25		U
Chlorobenzene	2.50	12.5	2.50	25		U
Chloroethane	8.25	25.0	8.25	25		U
Chloroform	2.50	12.5	2.50	25		U
Chloromethane	8.25	25.0	8.25	25		U
cis-1,2-Dichloroethene	2.50	25.0	130	25		
cis-1,3-Dichloropropene	4.00	12.5	4.00	25		U
Dibromochloromethane	2.50	12.5	2.50	25		U
Dibromomethane	4.00	25.0	4.00	25		U
Dichlorodifluoromethane	2.50	25.0	2.50	25		U
Ethylbenzene	2.50	25.0	2.50	25		U
Hexachlorobutadiene	2.50	25.0	2.50	25		U
Isopropylbenzene	2.50	25.0	2.50	25		U
Methyl tert-butyl ether	4.00	125	4.00	25		U
Methylene chloride	4.00	25.0	12.5	25		FB
n-Butylbenzene	2.50	25.0	2.50	25		U
n-Propylbenzene	2.50	25.0	2.50	25		U
Naphthalene	2.50	25.0	2.50	25		U
o-Xylene	2.50	25.0	2.50	25		U
p-Isopropyltoluene	4.00	25.0	4.00	25		U
sec-Butylbenzene	4.00	25.0	4.00	25		U
Styrene	2.50	25.0	2.50	25		U
tert-Butylbenzene	2.50	25.0	2.50	25		U
Tetrachloroethene	2.50	25.0	2.50	25		U
Toluene	2.50	25.0	2.50	25		U
trans-1,2-Dichloroethene	2.50	25.0	10.2	25		F
trans-1,3-Dichloropropene	4.00	25.0	4.00	25		U
Trichloroethene	2.50	25.0	632	25		
Trichlorofluoromethane	2.50	25.0	2.50	25		U
Vinyl chloride	8.25	25.0	8.25	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0616.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	7.50	50.0	7.50	25		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	257745	121878 - 487512	
Chlorobenzene-d5	566292	242134 - 968538	
Fluorobenzene	1429320	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0617.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	10.0	10		U
Benzene	1.00	5.00	1.50	10		F
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0617.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	229	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	4.80	10		FB
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	114	10		
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	194	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0617.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		**U**

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	246256	121878 - 487512	
Chlorobenzene-d5	550412	242134 - 968538	
Fluorobenzene	1384579	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0618.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	10.0	10		U
Benzene	1.00	5.00	1.50	10		F
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0618.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	225	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	4.80	10		FB
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	113	10		
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	183	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0618.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		**U**

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	246473	121878 - 487512	
Chlorobenzene-d5	563738	242134 - 968538	
Fluorobenzene	1415284	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0626.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.26	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0626.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.650	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0626.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	241571	121878 - 487512	
Chlorobenzene-d5	565681	242134 - 968538	
Fluorobenzene	1428597	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KF	**Lab Sample ID:**	K1210052-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0627.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KF	**Lab Sample ID:**	K1210052-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0627.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.280	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KF	**Lab Sample ID:**	K1210052-005A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0627.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	103	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	234546	121878 - 487512	
Chlorobenzene-d5	531513	242134 - 968538	
Fluorobenzene	1335926	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KR	**Lab Sample ID:**	K1210052-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0628.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.00	1		U
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KR	**Lab Sample ID:**	K1210052-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0628.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.850	1		FB
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KR	**Lab Sample ID:**	K1210052-006A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1854	**File ID:**	K0628.D
Date Received:	03-Oct-12	**Date Extracted:**		**Date Analyzed:**	04-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	104	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	230216	121878 - 487512	
Chlorobenzene-d5	529947	242134 - 968538	
Fluorobenzene	1342188	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	8260B	**AAB #:**	
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Date of Initial Calibration:**	17-Jul-2012
Initial Calibration ID:	1853	**Concentration Units (ug/L or mg/kg):**	ug/L

SEE ATTACHED

Comments:

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:27:43 2012
Response via : Continuing Calibration

Calibration Files
0.25 =K0440.D 0.50 =K0441.D 1.0 =K0442.D
2.0 =K0443.D 10 =K0444.D 20 =K0446.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluoromet	0.359	0.356	0.347	0.345	0.378	0.343	0.351	5.11
3)	P	Chloromethane		0.469	0.436	0.428	0.426	0.400	0.406	9.35
4)	CP	Vinyl chloride	0.555	0.510	0.521	0.497	0.527	0.500	0.495	7.78
5)		Bromomethane	0.153	0.186	0.184	0.198	0.199	0.178	0.175	9.69
6)		Chloroethane	0.222	0.220	0.228	0.225	0.235	0.228	0.224	3.79
7)		Trichlorofluorometh	0.420	0.405	0.416	0.395	0.429	0.413	0.411	4.06
8)	CPM	1,1-Dichloroethene	0.240	0.228	0.234	0.222	0.236	0.228	0.231	3.87
9)		Carbon disulfide	0.929	0.819	0.808	0.798	0.902	0.888	0.859	5.75
10)		1,1,2-Trichloro-1,2	0.262	0.269	0.253	0.239	0.257	0.246	0.254	5.18
11)		Methyl iodide		0.079	0.123	0.171	0.248	0.281	0.238	38.34
12)		Acrolein	0.009	0.008	0.006	0.007	0.007	0.006	0.007	20.33
13)		Methylene chloride			0.355	0.318	0.297	0.273	0.289	11.95
14)		Acetone				0.051	0.030	0.032	0.034	22.94
15)		tert-Butyl alcohol		0.006	0.006	0.006	0.006	0.007	0.007	7.34
16)		trans-1,2-Dichloroe	0.269	0.246	0.249	0.248	0.261	0.255	0.254	3.99
17)		Methyl acetate		0.175	0.172	0.148	0.130	0.126	0.137	17.05
18)		Methyl tert-Butyl e	0.522	0.513	0.501	0.503	0.505	0.499	0.505	3.73
19)	P	1,1-Dichloroethane	0.501	0.496	0.486	0.496	0.512	0.496	0.491	3.69
20)		Acrylonitrile	0.037	0.038	0.040	0.042	0.043	0.043	0.041	6.11
21)		Vinyl acetate	0.344	0.316	0.301	0.300	0.304	0.304	0.311	5.51
22)		cis-1,2-Dichloroeth	0.263	0.278	0.266	0.276	0.284	0.279	0.276	3.89
23)		2,2-Dichloropropane	0.417	0.391	0.384	0.380	0.406	0.393	0.394	4.35
24)		Bromochloromethane	0.082	0.085	0.091	0.097	0.100	0.101	0.098	10.11
25)		Cyclohexane	0.508	0.508	0.499	0.470	0.508	0.481	0.494	4.59
26)	CP	Chloroform	0.521	0.488	0.477	0.480	0.503	0.491	0.493	4.00
27)		Carbon tetrachlorid	0.261	0.252	0.256	0.249	0.281	0.272	0.275	7.91
28)		Tetrahydrofuran			0.046	0.040	0.035	0.036	0.037	12.71
29)		1,1,1-Trichloroetha	0.362	0.362	0.362	0.368	0.399	0.393	0.384	5.66
30)		2-Butanone			0.052	0.053	0.046	0.048	0.049	6.75
31)		1,1-Dichloropropene	0.389	0.372	0.380	0.375	0.398	0.389	0.385	3.85
32)	M	Benzene	1.101	1.078	1.087	1.097	1.130	1.104	1.088	3.56
33)	S	1,2-Dichloroethane-	0.269	0.247	0.249	0.258	0.261	0.258	0.257	4.01
34)		1,2-Dichloroethane	0.275	0.287	0.285	0.298	0.303	0.301	0.294	4.34
35)		Methylcyclohexane	0.467	0.433	0.423	0.401	0.435	0.421	0.435	6.02
36)	M	Trichloroethene	0.269	0.257	0.263	0.258	0.280	0.278	0.277	6.57
37)		Dibromomethane	0.092	0.094	0.100	0.103	0.111	0.112	0.107	9.44
38)	CP	1,2-Dichloropropane	0.259	0.253	0.256	0.258	0.273	0.269	0.265	4.31
39)		Bromodichloromethan	0.265	0.255	0.252	0.250	0.289	0.294	0.285	10.12
40)		2-Chloroethylvinyl	0.086	0.089	0.093	0.097	0.103	0.102	0.099	8.10
41)		cis-1,3-Dichloropro	0.321	0.314	0.314	0.316	0.362	0.370	0.353	10.02
42)	CPM	Toluene	0.652	0.631	0.651	0.650	0.683	0.669	0.649	3.99
43)		4-Methyl-2-pentanon		0.123	0.116	0.117	0.115	0.117	0.118	4.77

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

7/19/12

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:27:43 2012
Response via : Continuing Calibration

Calibration Files
0.25 =K0440.D 0.50 =K0441.D 1.0 =K0442.D
2.0 =K0443.D 10 =K0444.D 20 =K0446.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
44)		trans-1,3-Dichlorop	0.195	0.214	0.208	0.223	0.270	0.281	0.264	19.54
45)		1,1,2-Trichloroetha	0.106	0.122	0.120	0.130	0.140	0.140	0.133	10.89
46)		2-Hexanone	0.085	0.082	0.073	0.072	0.073	0.074	0.076	7.31
47)	I	Chlorobenzene-d5	----------ISTD----------							
48)	S	Toluene-d8	2.551	2.303	2.260	2.227	2.193	2.060	2.183	8.26
49)		Tetrachloroethene	0.541	0.500	0.509	0.519	0.530	0.511	0.528	5.76
50)		Dibromochloromethan	0.246	0.248	0.258	0.268	0.310	0.315	0.311	18.13
51)		1,3-Dichloropropane	0.701	0.694	0.675	0.697	0.686	0.659	0.682	4.45
52)		1,2-Dibromoethane	0.263	0.294	0.300	0.311	0.325	0.314	0.314	8.82
53)		1-Chlorohexane	0.907	0.798	0.829	0.776	0.804	0.756	0.797	6.73
54)	PM	Chlorobenzene	1.671	1.637	1.631	1.614	1.599	1.506	1.538	8.80
55)	CP	Ethylbenzene	3.084	2.778	2.812	2.782	2.708	2.565	2.697	7.36
56)		1,1,1,2-Tetrachloro	0.345	0.339	0.358	0.364	0.416	0.413	0.389	9.94
57)		(m+p)-Xylene	0.993	0.939	0.964	0.941	0.939	0.904	0.917	7.63
58)		o-Xylene	0.902	0.913	0.894	0.923	0.922	0.898	0.918	4.92
59)		Styrene	1.409	1.370	1.416	1.425	1.474	1.429	1.411	4.84
60)	P	Bromoform		0.073	0.088	0.089	0.111	0.117	0.111	23.61
61)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
62)		Isopropylbenzene	4.878	4.362	4.380	4.360	4.523	4.221	4.227	8.95
63)	S	Bromofluorobenzene	0.970	0.898	0.915	0.884	0.919	0.869	0.882	5.87
64)		Bromobenzene	0.965	0.939	1.007	1.005	1.060	1.001	0.972	5.88
65)		n-Propylbenzene	5.396	4.861	4.777	4.838	5.092	4.819	4.759	7.64
66)	P	1,1,2,2-Tetrachloro	0.677	0.683	0.684	0.709	0.722	0.685	0.672	5.96
67)		2-Chlorotoluene	3.515	3.226	3.250	3.254	3.298	3.138	3.089	11.42
68)		1,3,5-Trimethylbenz	2.776	2.524	2.547	2.496	2.671	2.631	2.601	4.49
69)		1,2,3-Trichloroprop	0.154	0.119	0.160	0.172	0.193	0.181	0.162	14.98
70)		trans-1,4-Dichloro-			0.033	0.039	0.062	0.064	0.061	26.55
71)		4-Chlorotoluene	3.292	3.019	2.976	2.975	3.105	2.944	2.945	6.59
72)		tert-Butylbenzene	2.826	2.518	2.504	2.521	2.649	2.520	2.512	6.34
73)		1,2,4-Trimethylbenz	2.276	2.107	2.091	2.073	2.286	2.280	2.209	5.05
74)		sec-Butylbenzene	4.113	3.642	3.572	3.639	3.911	3.716	3.658	6.66
75)		p-Isopropyltoluene	2.729	2.370	2.376	2.330	2.581	2.538	2.490	5.62
76)		1,3-Dichlorobenzene	1.720	1.683	1.627	1.656	1.727	1.670	1.662	3.76
77)		1,4-Dichlorobenzene	1.734	1.561	1.553	1.535	1.597	1.562	1.567	4.95
78)		n-Butylbenzene	2.227	1.912	1.867	1.855	2.139	2.134	2.045	7.11
79)		1,2-Dichlorobenzene	1.497	1.351	1.376	1.434	1.497	1.461	1.432	4.33
80)		1,2-Dibromo-3-chlor			0.036	0.066	0.065	0.065	0.064	18.23
81)		Hexachlorobutadiene	0.425	0.337	0.362	0.308	0.348	0.347	0.350	9.35
82)		1,2,4-Trichlorobenz	0.336	0.398	0.381	0.407	0.456	0.486	0.445	14.13
83)		Naphthalene		0.469	0.486	0.498	0.554	0.604	0.574	13.96
84)		1,2,3-Trichlorobenz	0.254	0.261	0.311	0.295	0.340	0.361	0.330	15.09

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

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K717VOCW.M (RTE Integrate
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Jul 19 07:29:23 2012
Response via : Continuing Calibration

Calibration Files
30 =K0447.D 40 =K0448.D 60 =K0450.D
80 =K0452.D

		Compound	30	40	60	80
			ISTD			
1)	I	Fluorobenzene				
2)		Dichlorodifluoromet	0.369	0.351	0.311	0.354
3)	P	Chloromethane	0.392	0.389	0.340	0.375
4)	CP	Vinyl chloride	0.491	0.477	0.419	0.454
5)		Bromomethane	0.170	0.172	0.150	0.163
6)		Chloroethane	0.226	0.226	0.203	0.229
7)		Trichlorofluorometh	0.423	0.413	0.373	0.425
8)	CPM	1,1-Dichloroethene	0.234	0.234	0.213	0.244
9)		Carbon disulfide	0.890	0.887	0.793	0.879
10)		1,1,2-Trichloro-1,2	0.260	0.253	0.229	0.271
11)		Methyl iodide	0.300	0.313	0.288	0.337
12)		Acrolein	0.005	0.006		
13)		Methylene chloride	0.272	0.275	0.244	0.274
14)		Acetone	0.031	0.031	0.028	0.033
15)		tert-Butyl alcohol	0.007	0.007	0.006	0.007
16)		trans-1,2-Dichloroe	0.256	0.258	0.233	0.263
17)		Methyl acetate	0.121	0.124	0.113	0.120
18)		Methyl tert-Butyl e	0.496	0.508	0.465	0.538
19)	P	1,1-Dichloroethane	0.494	0.493	0.443	0.497
20)		Acrylonitrile	0.043	0.043	0.039	0.045
21)		Vinyl acetate	0.303	0.313	0.289	0.336
22)		cis-1,2-Dichloroeth	0.281	0.283	0.257	0.292
23)		2,2-Dichloropropane	0.399	0.401	0.358	0.412
24)		Bromochloromethane	0.102	0.106	0.097	0.116
25)		Cyclohexane	0.506	0.493	0.445	0.522
26)	CP	Chloroform	0.494	0.500	0.454	0.518
27)		Carbon tetrachlorid	0.291	0.298	0.271	0.316
28)		Tetrahydrofuran	0.034	0.034	0.032	0.037
29)		1,1,1-Trichloroetha	0.401	0.404	0.367	0.419
30)		2-Butanone	0.047	0.048	0.045	0.053
31)		1,1-Dichloropropene	0.394	0.393	0.356	0.406
32)	M	Benzene	1.099	1.101	0.984	1.100
33)	S	1,2-Dichloroethane-	0.257	0.261	0.239	0.274
34)		1,2-Dichloroethane	0.298	0.302	0.278	0.315
35)		Methylcyclohexane	0.451	0.439	0.400	0.481
36)	M	Trichloroethene	0.285	0.292	0.269	0.317
37)		Dibromomethane	0.113	0.117	0.107	0.125
38)	CP	1,2-Dichloropropane	0.270	0.275	0.251	0.287
39)		Bromodichloromethan	0.303	0.313	0.290	0.336
40)		2-Chloroethylvinyl	0.101	0.105	0.097	0.113
41)		cis-1,3-Dichloropro	0.377	0.388	0.357	0.413
42)	CPM	Toluene	0.661	0.666	0.590	0.632
43)		4-Methyl-2-pentanon	0.115	0.118	0.109	0.129

(#) = Out of Range ### Number of calibration levels exceeded for
K717VOCW.M Thu Jul 19 07:29:28 2012

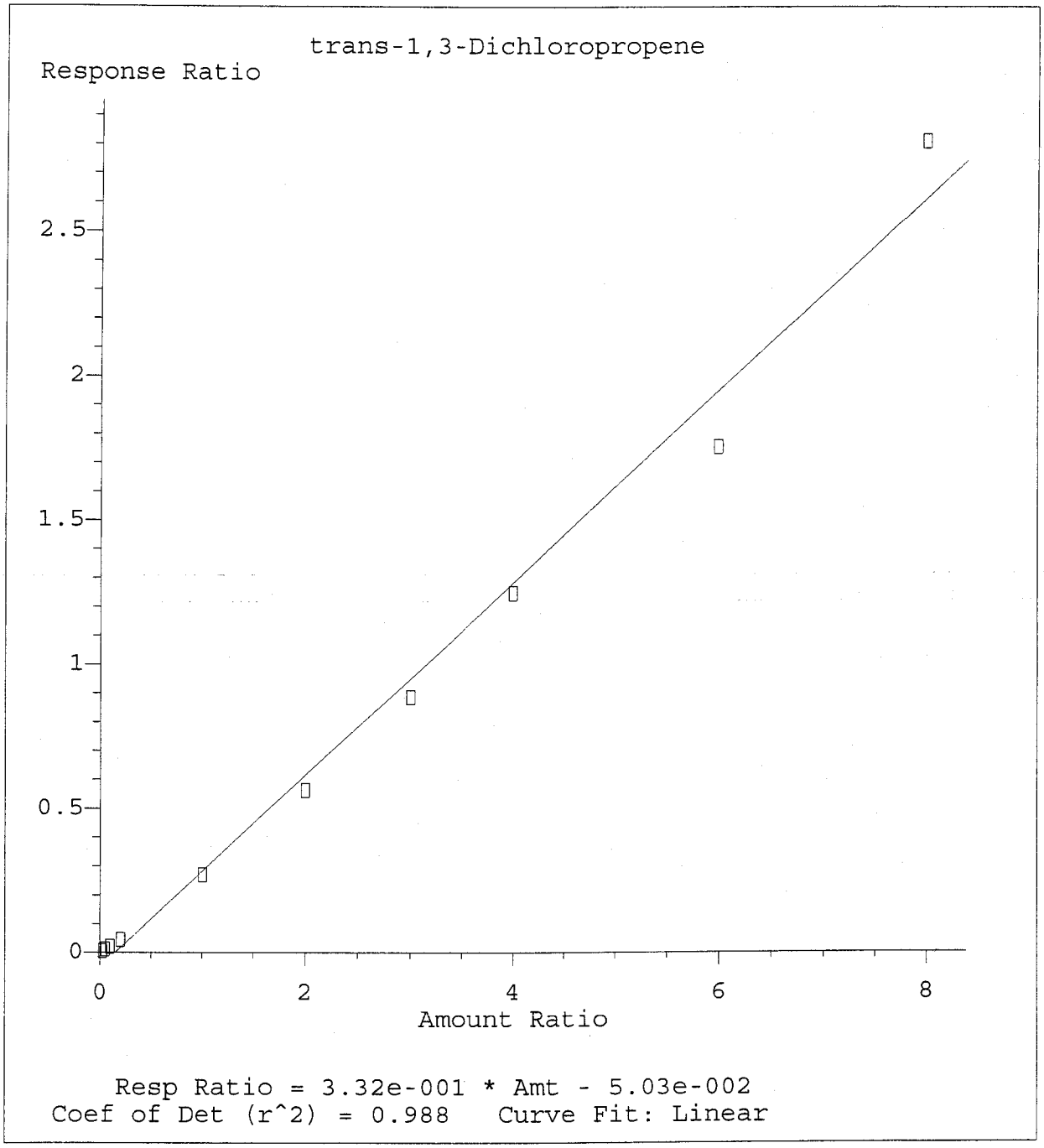
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Last Update : Thu Jul 19 07:29:23 2012
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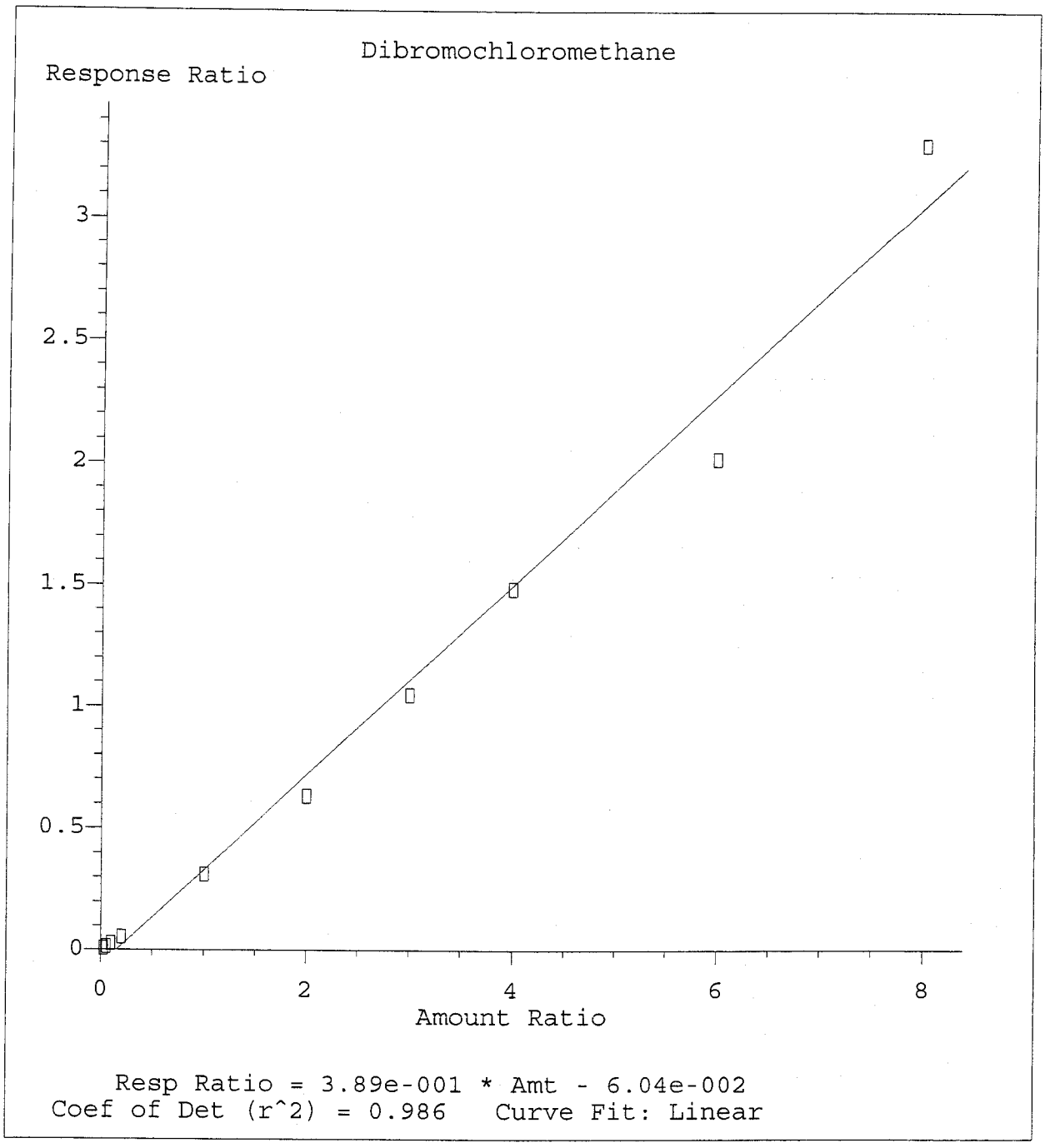
Calibration Files
30 =K0447.D 40 =K0448.D 60 =K0450.D
80 =K0452.D = =

		Compound	30	40	60	80
44)		trans-1,3-Dichlorop	0.295	0.311	0.292	0.351
45)		1,1,2-Trichloroetha	0.140	0.145	0.134	0.157
46)		2-Hexanone	0.074	0.076	0.070	0.084
47)	I	Chlorobenzene-d5	ISTD			
48)	S	Toluene-d8	2.126	2.135	1.848	2.132
49)		Tetrachloroethene	0.540	0.552	0.485	0.591
50)		Dibromochloromethan	0.848	0.370	0.335	0.412
51)		1,3-Dichloropropane	0.679	0.693	0.611	0.725
52)		1,2-Dibromoethane	0.330	0.341	0.299	0.363
53)		1-Chlorohexane	0.789	0.795	0.697	0.820
54)	PM	Chlorobenzene	1.555	1.578	1.296	1.297
55)	CP	Ethylbenzene	2.631	2.698	2.315	2.598
56)		1,1,1,2-Tetrachloro	0.437	0.451	0.381	0.386
57)		(m+p)-Xylene	0.938	0.961	0.772	0.813
58)		o-Xylene	0.920	0.961	0.835	1.009
59)		Styrene	1.465	1.513	1.292	1.320
60)	P	Bromoform	0.132	0.147	0.134	
61)	I	1,4-Dichlorobenzene-d	ISTD			
62)		Isopropylbenzene	4.189	4.066	3.554	3.741
63)	S	Bromofluorobenzene	0.885	0.866	0.776	0.837
64)		Bromobenzene	0.999	0.975	0.862	0.905
65)		n-Propylbenzene	4.758	4.641	4.097	4.311
66)	P	1,1,2,2-Tetrachloro	0.684	0.671	0.600	0.603
67)		2-Chlorotoluene	3.098	3.032	2.873	2.211
68)		1,3,5-Trimethylbenz	2.642	2.704	2.373	2.646
69)		1,2,3-Trichloroprop	0.184	0.175	0.153	0.127
70)		trans-1,4-Dichloro-	0.072	0.077	0.069	0.072
71)		4-Chlorotoluene	2.930	2.891	2.563	2.754
72)		tert-Butylbenzene	2.508	2.468	2.199	2.407
73)		1,2,4-Trimethylbenz	2.295	2.337	2.056	2.289
74)		sec-Butylbenzene	3.695	3.633	3.198	3.461
75)		p-Isopropyltoluene	2.554	2.570	2.291	2.564
76)		1,3-Dichlorobenzene	1.681	1.681	1.503	1.668
77)		1,4-Dichlorobenzene	1.567	1.568	1.412	1.578
78)		n-Butylbenzene	2.139	2.166	1.887	2.126
79)		1,2-Dichlorobenzene	1.463	1.465	1.318	1.461
80)		1,2-Dibromo-3-chlor	0.070	0.071	0.064	0.073
81)		Hexachlorobutadiene	0.352	0.354	0.307	0.354
82)		1,2,4-Trichlorobenz	0.484	0.517	0.453	0.532
83)		Naphthalene	0.612	0.669	0.580	0.696
84)		1,2,3-Trichlorobenz	0.360	0.387	0.336	0.400

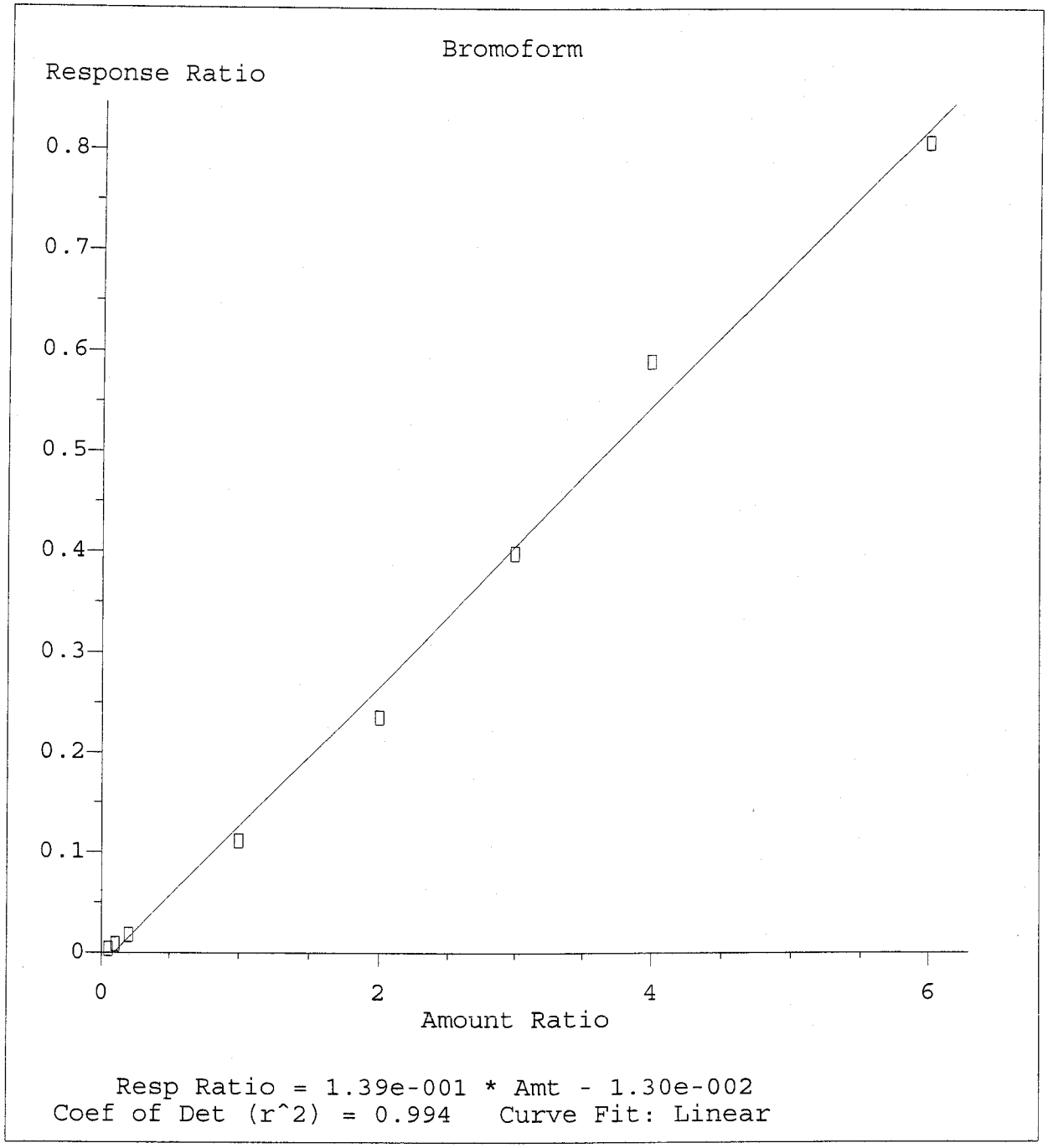
(#) = Out of Range ### Number of calibration levels exceeded fo
K717VOCW.M Thu Jul 19 07:29:30 2012



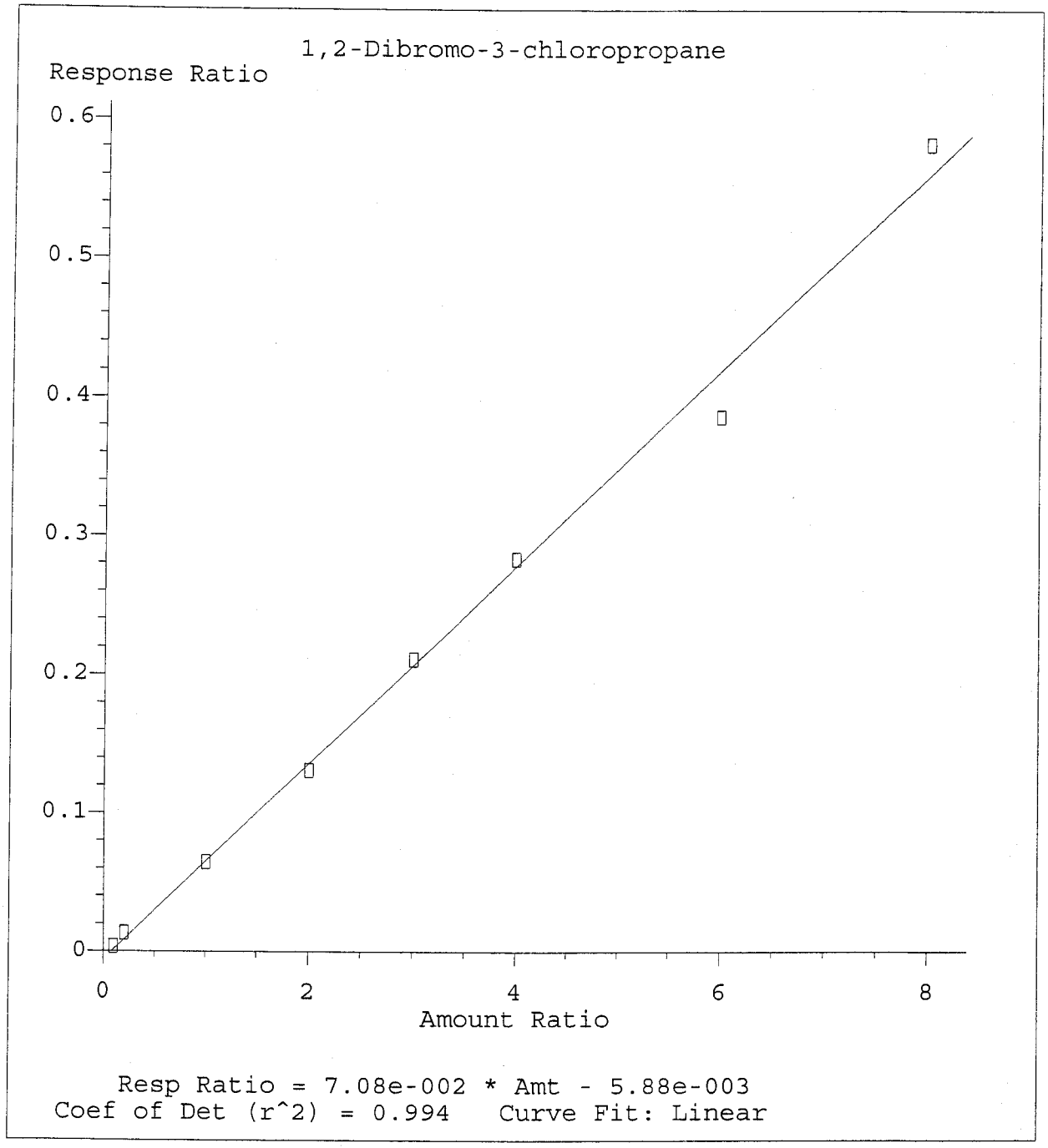
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Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



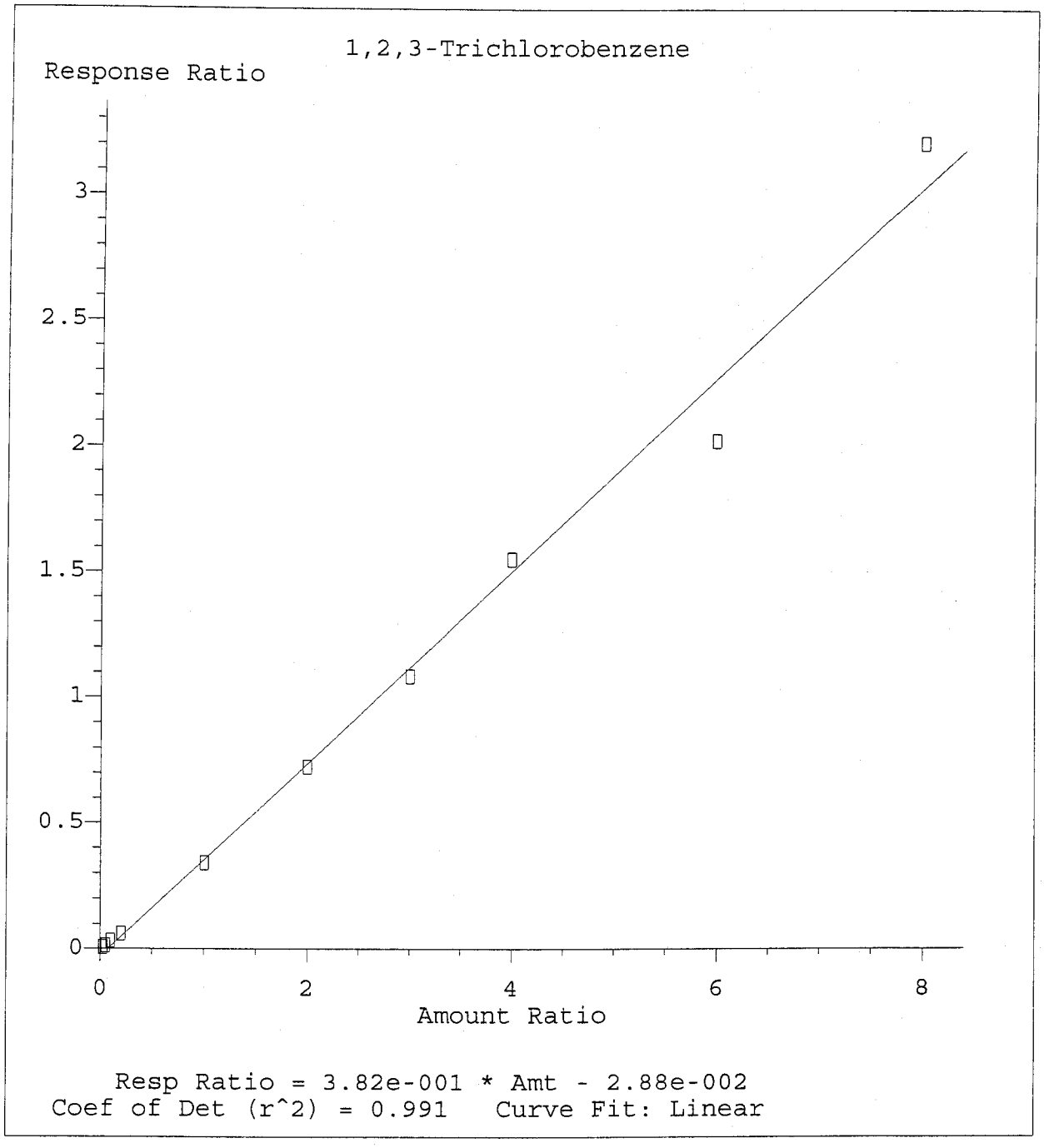
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Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012



Method Name: C:\HPCHEM\1\METHODS\K717VOCW.M
Calibration Table Last Updated: Thu Jul 19 07:30:08 2012

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24731
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1854
Second Source ID:	2SRC-24731	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	19.2	-3.9	
1,1,1,2-Tetrachloroethane	10	9.57	-4.3	
1,1,1-Trichloroethane	10	10	0.2	
1,1,2,2-Tetrachloroethane	10	9.68	-3.2	
1,1,2-Trichloroethane	10	9.69	-3.1	
1,1-Dichloroethane	10	10.2	2.1	
1,1-Dichloroethene	10	10.5	5.2	
1,1-Dichloropropene	10	10	0.5	
1,2,3-Trichlorobenzene	10	10	0	
1,2,3-Trichloropropane	10	9.79	-2.1	
1,2,4-Trichlorobenzene	10	9.93	-0.7	
1,2,4-Trimethylbenzene	10	9.85	-1.5	
1,2-Dibromo-3-chloropropane	10	9.58	-4.2	
1,2-Dibromoethane	10	9.51	-4.9	
1,2-Dichlorobenzene	10	9.56	-4.4	
1,2-Dichloroethane	10	9.94	-0.6	
1,2-Dichloropropane	10	9.82	-1.8	
1,3,5-Trimethylbenzene	10	9.73	-2.7	
1,3-Dichlorobenzene	10	9.66	-3.4	
1,3-Dichloropropane	10	9.71	-2.9	
1,4-Dichlorobenzene	10	9.71	-2.9	
1-Chlorohexane	10	9.91	-0.9	
2,2-Dichloropropane	10	10	0.5	
2-Butanone	20	20.7	3.4	
2-Chlorotoluene	10	9.69	-3.1	
4-Chlorotoluene	10	9.45	-5.5	
4-Methyl-2-pentanone	20	20.2	1.2	
Acetone	20	20.5	2.6	
Benzene	10	10.1	0.6	
Bromobenzene	10	9.63	-3.7	
Bromochloromethane	10	9.95	-0.5	
Bromodichloromethane	10	9.57	-4.3	
Bromoform	10	9.42	-5.8	
Bromomethane	10	9.22	-7.8	
Carbon tetrachloride	10	9.8	-2.0	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R24731
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1854
Second Source ID:	2SRC-24731	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.83	-1.7	
Chloroethane	10	10.1	0.9	
Chloroform	10	9.86	-1.4	
Chloromethane	10	9.17	-8.3	
cis-1,2-Dichloroethene	10	9.94	-0.6	
cis-1,3-Dichloropropene	10	9.81	-1.9	
Dibromochloromethane	10	9.49	-5.1	
Dibromomethane	10	9.82	-1.8	
Dichlorodifluoromethane	10	7.92	-20.8	
Ethylbenzene	10	10	0.2	
Hexachlorobutadiene	10	9.86	-1.4	
Isopropylbenzene	10	9.84	-1.6	
Methyl tert-butyl ether	10	9.72	-2.8	
Methylene chloride	10	9.77	-2.3	
n-Butylbenzene	10	9.81	-1.9	
n-Propylbenzene	10	9.65	-3.5	
Naphthalene	10	10.2	1.7	
o-Xylene	10	9.59	-4.1	
p-Isopropyltoluene	10	9.81	-1.9	
sec-Butylbenzene	10	9.6	-4.0	
Styrene	10	9.6	-4.0	
tert-Butylbenzene	10	9.68	-3.2	
Tetrachloroethene	10	9.89	-1.1	
Toluene	10	9.86	-1.4	
trans-1,2-Dichloroethene	10	10.3	3.2	
trans-1,3-Dichloropropene	10	9.57	-4.3	
Trichloroethene	10	9.93	-0.7	
Trichlorofluoromethane	10	9.61	-3.9	
Vinyl chloride	10	9.53	-4.7	
Xylenes (total)	30	28.8	-3.9	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121003B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24736 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
1,1,2,2-Tetrachloroethane *			0.722	7.5			
1,1-Dichloroethane *			0.523	6.4			
Bromoform *			0.132	4.2			
Chlorobenzene *			1.525	-0.9			
Chloromethane *			0.446	7.2			
1,1-Dichloroethene #				2.4			
1,2-Dichloropropane #				4.8			
Chloroform #				5.0			
Ethylbenzene #				0			
Toluene #				-0.1			
Vinyl chloride #				18.9			
(m+p)-Xylene				1.0			
1,1,1,2-Tetrachloroethane				7.2			
1,1,1-Trichloroethane				5.2			
1,1,2-Trichloroethane				4.9			
1,1-Dichloropropene				3.5			
1,2,3-Trichlorobenzene				-12.7			
1,2,3-Trichloropropane				11.3			
1,2,4-Trichlorobenzene				-7.2			
1,2,4-Trimethylbenzene				2.5			
1,2-Dibromo-3-chloropropane				11.6			
1,2-Dibromoethane				-2.8			
1,2-Dichlorobenzene				3.2			
1,2-Dichloroethane				5.7			
1,2-Dichloroethane-d4				3.7			
1,3,5-Trimethylbenzene				2.0			
1,3-Dichlorobenzene				3.4			
1,3-Dichloropropane				-0.4			
1,4-Dichlorobenzene				1.3			
1-Chlorohexane				-3.0			
2,2-Dichloropropane				2.2			
2-Butanone				0			
2-Chlorotoluene				20.9			*

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121003B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24736 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
4-Bromofluorobenzene				-2.3			
4-Chlorotoluene				8.1			
4-Methyl-2-pentanone				-4.0			
Acetone				-12.2			
Benzene				4.7			
Bromobenzene				0.2			
Bromochloromethane				-6.9			
Bromodichloromethane				9.9			
Bromomethane				-14.4			
Carbon tetrachloride				7.4			
Chloroethane				-0.1			
cis-1,2-Dichloroethene				2.6			
cis-1,3-Dichloropropene				3.7			
Dibromochloromethane				2.2			
Dibromomethane				1.5			
Dichlorodifluoromethane				10.2			
Hexachlorobutadiene				-11.0			
Isopropylbenzene				8.6			
Methyl tert-butyl ether				-6.5			
Methylene chloride				-0.2			
n-Butylbenzene				5.3			
n-Propylbenzene				11.3			
Naphthalene				-14.8			
o-Xylene				-0.1			
p-Isopropyltoluene				3.6			
sec-Butylbenzene				10.4			
Styrene				0.9			
tert-Butylbenzene				6.5			
Tetrachloroethene				-7.2			
Toluene-d8				-3.3			
trans-1,2-Dichloroethene				0.5			
trans-1,3-Dichloropropene				-0.7			
Trichloroethene				0			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121003B

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24736 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Trichlorofluoromethane				5.5			
Xylenes (total)				0.7			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121004A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24737 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
1,1,2,2-Tetrachloroethane *			0.748	11.3			
1,1-Dichloroethane *			0.526	7.0			
Bromoform *			0.13	2.7			
Chlorobenzene *			1.528	-0.7			
Chloromethane *			0.442	6.2			
1,1-Dichloroethene #				2.8			
1,2-Dichloropropane #				5.2			
Chloroform #				4.8			
Ethylbenzene #				0.5			
Toluene #				-0.6			
Vinyl chloride #				15.3			
(m+p)-Xylene				0.9			
1,1,1,2-Tetrachloroethane				3.6			
1,1,1-Trichloroethane				3.4			
1,1,2-Trichloroethane				7.9			
1,1-Dichloropropene				4.3			
1,2,3-Trichlorobenzene				-6.1			
1,2,3-Trichloropropane				11.3			
1,2,4-Trichlorobenzene				-2.7			
1,2,4-Trimethylbenzene				1.7			
1,2-Dibromo-3-chloropropane				12.8			
1,2-Dibromoethane				1.0			
1,2-Dichlorobenzene				4.5			
1,2-Dichloroethane				8.1			
1,2-Dichloroethane-d4				7.2			
1,3,5-Trimethylbenzene				2.0			
1,3-Dichlorobenzene				3.5			
1,3-Dichloropropane				3.5			
1,4-Dichlorobenzene				1.2			
1-Chlorohexane				-2.9			
2,2-Dichloropropane				-0.8			
2-Butanone				4.1			
2-Chlorotoluene				20.6			*

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121004A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24737 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
4-Bromofluorobenzene				-3.2			
4-Chlorotoluene				8.2			
4-Methyl-2-pentanone				2.8			
Acetone				-7.3			
Benzene				4.7			
Bromobenzene				0.1			
Bromochloromethane				-3.9			
Bromodichloromethane				9.9			
Bromomethane				-16.7			
Carbon tetrachloride				3.8			
Chloroethane				0.8			
cis-1,2-Dichloroethene				3.3			
cis-1,3-Dichloropropene				3.1			
Dibromochloromethane				3.4			
Dibromomethane				4.3			
Dichlorodifluoromethane				12.2			
Hexachlorobutadiene				-7.3			
Isopropylbenzene				7.6			
Methyl tert-butyl ether				-1.2			
Methylene chloride				1.2			
n-Butylbenzene				6.0			
n-Propylbenzene				11.3			
Naphthalene				-7.5			
o-Xylene				-0.1			
p-Isopropyltoluene				2.6			
sec-Butylbenzene				10.7			
Styrene				1.0			
tert-Butylbenzene				6.1			
Tetrachloroethene				-7.4			
Toluene-d8				-2.8			
trans-1,2-Dichloroethene				0.1			
trans-1,3-Dichloropropene				-0.4			
Trichloroethene				0			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5A
CALIBRATION VERIFICATION - GC/MS ANALYSIS

Analytical Method: SW8260B **AAB #:** MSK_75_121004A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Instrument ID: MSK_75 **Initial Calibration ID:** 1854

ICV ID: **CCV #1 ID:** CCV-24737 **CCV #2 ID:**

Analyte	ICV		CCV #1		CCV #2		
	RF	%D	RF	%D	RF	%D	Q
Trichlorofluoromethane				6.5			
Xylenes (total)				0.6			

* SPCCs # CCCS

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24736
Initial Calibration ID:	1854	**File ID:**	K0591.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24736
Initial Calibration ID:	1854	**File ID:**	K0591.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.500	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	104	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24736
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24736
Initial Calibration ID:	1854	**File ID:**	K0591.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	257260	121878 - 487512	
Chlorobenzene-d5	560418	242134 - 968538	
Fluorobenzene	1434223	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24737
Initial Calibration ID:	1854	**File ID:**	K0615.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24737
Initial Calibration ID:	1854	**File ID:**	K0615.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.510	1.00	FB
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	104	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R24737
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-24737
Initial Calibration ID:	1854	**File ID:**	K0615.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	263882	121878 - 487512	
Chlorobenzene-d5	586723	242134 - 968538	
Fluorobenzene	1486665	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24736 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0587.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.8	99	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.2	102	81 - 129	
1,1,1-Trichloroethane	10	10.2	102	67 - 132	
1,1,2,2-Tetrachloroethane	10	9.80	98	63 - 128	
1,1,2-Trichloroethane	10	9.87	99	75 - 125	
1,1-Dichloroethane	10	10.5	105	69 - 133	
1,1-Dichloroethene	10	10.2	102	68 - 130	
1,1-Dichloropropene	10	10.2	102	73 - 132	
1,2,3-Trichlorobenzene	10	8.63	86	67 - 137	
1,2,3-Trichloropropane	10	10.1	101	73 - 124	
1,2,4-Trichlorobenzene	10	8.89	89	66 - 134	
1,2,4-Trimethylbenzene	10	10.7	107	74 - 132	
1,2-Dibromo-3-chloropropane	10	10.8	108	50 - 132	
1,2-Dibromoethane	10	9.39	94	80 - 121	
1,2-Dichlorobenzene	10	9.79	98	71 - 122	
1,2-Dichloroethane	10	10.1	101	69 - 132	
1,2-Dichloropropane	10	9.96	100	75 - 125	
1,3,5-Trimethylbenzene	10	10.1	101	74 - 131	
1,3-Dichlorobenzene	10	9.95	100	75 - 124	
1,3-Dichloropropane	10	9.53	95	73 - 126	
1,4-Dichlorobenzene	10	10.0	100	74 - 123	
1-Chlorohexane	10	9.87	99	70 - 125	
2,2-Dichloropropane	10	9.89	99	69 - 137	
2-Butanone	20	17.4	87	49 - 136	
2-Chlorotoluene	10	11.7	117	73 - 126	
4-Chlorotoluene	10	10.2	103	74 - 128	
4-Methyl-2-pentanone	20	17.3	86	58 - 134	
Acetone	20	16.2	81	40 - 135	
Benzene	10	10.1	101	81 - 122	
Bromobenzene	10	9.35	94	76 - 124	
Bromochloromethane	10	9.22	92	65 - 129	
Bromodichloromethane	10	10.6	106	76 - 121	
Bromoform	10	10.2	102	69 - 128	
Bromomethane	10	8.51	85	30 - 141	
Carbon tetrachloride	10	10.7	107	66 - 138	
Chlorobenzene	10	9.52	95	81 - 122	
Chloroethane	10	9.67	97	58 - 133	
Chloroform	10	10.2	102	69 - 128	
Chloromethane	10	9.41	94	56 - 131	
cis-1,2-Dichloroethene	10	10.0	100	72 - 126	
cis-1,3-Dichloropropene	10	9.83	98	69 - 131	
Dibromochloromethane	10	10.0	100	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24736 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0587.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.75	98	76 - 125	
Dichlorodifluoromethane	10	9.99	100	30 - 153	
Ethylbenzene	10	10.3	103	73 - 127	
Hexachlorobutadiene	10	9.15	92	67 - 131	
Isopropylbenzene	10	11.4	114	75 - 127	
Methyl tert-butyl ether	10	9.43	94	65 - 123	
Methylene chloride	10	9.55	96	63 - 137	
n-Butylbenzene	10	10.7	107	69 - 137	
n-Propylbenzene	10	11.0	110	72 - 129	
Naphthalene	10	8.58	86	54 - 138	
o-Xylene	10	9.54	95	80 - 121	
p-Isopropyltoluene	10	10.4	104	73 - 130	
sec-Butylbenzene	10	10.6	106	72 - 127	
Styrene	10	9.66	97	65 - 134	
tert-Butylbenzene	10	10.3	103	70 - 129	
Tetrachloroethene	10	9.32	93	66 - 128	
Toluene	10	9.72	97	77 - 122	
trans-1,2-Dichloroethene	10	10.2	102	63 - 137	
trans-1,3-Dichloropropene	10	9.58	96	59 - 135	
Trichloroethene	10	9.59	96	70 - 127	
Trichlorofluoromethane	10	10.3	103	57 - 129	
Vinyl chloride	10	11.9	119	50 - 134	
Xylenes (total)	30	29.4	98	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	287645	121878 - 487512	
Chlorobenzene-d5	580259	242134 - 968538	
Fluorobenzene	1365386	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24737

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24737 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0611.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.1	96	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.1	101	81 - 129	
1,1,1-Trichloroethane	10	10.0	100	67 - 132	
1,1,2,2-Tetrachloroethane	10	10.4	104	63 - 128	
1,1,2-Trichloroethane	10	10.1	101	75 - 125	
1,1-Dichloroethane	10	10.5	105	69 - 133	
1,1-Dichloroethene	10	10.0	100	68 - 130	
1,1-Dichloropropene	10	10.1	101	73 - 132	
1,2,3-Trichlorobenzene	10	8.49	85	67 - 137	
1,2,3-Trichloropropane	10	10.6	106	73 - 124	
1,2,4-Trichlorobenzene	10	8.62	86	66 - 134	
1,2,4-Trimethylbenzene	10	10.4	104	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.0	110	50 - 132	
1,2-Dibromoethane	10	9.43	94	80 - 121	
1,2-Dichlorobenzene	10	9.72	97	71 - 122	
1,2-Dichloroethane	10	10.3	103	69 - 132	
1,2-Dichloropropane	10	10.2	102	75 - 125	
1,3,5-Trimethylbenzene	10	9.93	99	74 - 131	
1,3-Dichlorobenzene	10	9.82	98	75 - 124	
1,3-Dichloropropane	10	9.69	97	73 - 126	
1,4-Dichlorobenzene	10	9.87	99	74 - 123	
1-Chlorohexane	10	9.68	97	70 - 125	
2,2-Dichloropropane	10	9.59	96	69 - 137	
2-Butanone	20	18.1	90	49 - 136	
2-Chlorotoluene	10	11.6	116	73 - 126	
4-Chlorotoluene	10	10.2	102	74 - 128	
4-Methyl-2-pentanone	20	18.1	90	58 - 134	
Acetone	20	16.5	82	40 - 135	
Benzene	10	10.1	101	81 - 122	
Bromobenzene	10	9.50	95	76 - 124	
Bromochloromethane	10	9.16	92	65 - 129	
Bromodichloromethane	10	10.5	105	76 - 121	
Bromoform	10	9.91	99	69 - 128	
Bromomethane	10	8.64	86	30 - 141	
Carbon tetrachloride	10	10.3	103	66 - 138	
Chlorobenzene	10	9.58	96	81 - 122	
Chloroethane	10	9.70	97	58 - 133	
Chloroform	10	10.2	102	69 - 128	
Chloromethane	10	9.63	96	56 - 131	
cis-1,2-Dichloroethene	10	10.0	100	72 - 126	
cis-1,3-Dichloropropene	10	9.64	96	69 - 131	
Dibromochloromethane	10	9.99	100	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24737

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24737 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0611.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.79	98	76 - 125	
Dichlorodifluoromethane	10	9.80	98	30 - 153	
Ethylbenzene	10	10.2	102	73 - 127	
Hexachlorobutadiene	10	8.72	87	67 - 131	
Isopropylbenzene	10	11.4	114	75 - 127	
Methyl tert-butyl ether	10	9.66	97	65 - 123	
Methylene chloride	10	9.60	96	63 - 137	
n-Butylbenzene	10	10.5	105	69 - 137	
n-Propylbenzene	10	10.8	108	72 - 129	
Naphthalene	10	8.48	85	54 - 138	
o-Xylene	10	9.35	94	80 - 121	
p-Isopropyltoluene	10	10.2	102	73 - 130	
sec-Butylbenzene	10	10.4	104	72 - 127	
Styrene	10	9.43	94	65 - 134	
tert-Butylbenzene	10	10.2	102	70 - 129	
Tetrachloroethene	10	9.15	92	66 - 128	
Toluene	10	9.61	96	77 - 122	
trans-1,2-Dichloroethene	10	10.0	100	63 - 137	
trans-1,3-Dichloropropene	10	9.33	93	59 - 135	
Trichloroethene	10	9.61	96	70 - 127	
Trichlorofluoromethane	10	10.1	101	57 - 129	
Vinyl chloride	10	11.9	119	50 - 134	
Xylenes (total)	30	28.5	95	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	294514	121878 - 487512	
Chlorobenzene-d5	604657	242134 - 968538	
Fluorobenzene	1431244	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24737

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-24737 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0613.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.4	97	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.1	101	81 - 129	
1,1,1-Trichloroethane	10	9.92	99	67 - 132	
1,1,2,2-Tetrachloroethane	10	10.6	106	63 - 128	
1,1,2-Trichloroethane	10	10.2	102	75 - 125	
1,1-Dichloroethane	10	10.4	104	69 - 133	
1,1-Dichloroethene	10	10.1	101	68 - 130	
1,1-Dichloropropene	10	10.1	101	73 - 132	
1,2,3-Trichlorobenzene	10	8.66	87	67 - 137	
1,2,3-Trichloropropane	10	10.8	108	73 - 124	
1,2,4-Trichlorobenzene	10	8.80	88	66 - 134	
1,2,4-Trimethylbenzene	10	10.3	103	74 - 132	
1,2-Dibromo-3-chloropropane	10	10.9	109	50 - 132	
1,2-Dibromoethane	10	9.84	98	80 - 121	
1,2-Dichlorobenzene	10	9.82	98	71 - 122	
1,2-Dichloroethane	10	10.3	103	69 - 132	
1,2-Dichloropropane	10	10.0	100	75 - 125	
1,3,5-Trimethylbenzene	10	9.92	99	74 - 131	
1,3-Dichlorobenzene	10	9.92	99	75 - 124	
1,3-Dichloropropane	10	10.0	100	73 - 126	
1,4-Dichlorobenzene	10	9.97	100	74 - 123	
1-Chlorohexane	10	9.64	96	70 - 125	
2,2-Dichloropropane	10	9.26	93	69 - 137	
2-Butanone	20	18.9	94	49 - 136	
2-Chlorotoluene	10	11.5	115	73 - 126	
4-Chlorotoluene	10	10.1	101	74 - 128	
4-Methyl-2-pentanone	20	18.6	93	58 - 134	
Acetone	20	17.1	86	40 - 135	
Benzene	10	10.1	101	81 - 122	
Bromobenzene	10	9.56	96	76 - 124	
Bromochloromethane	10	9.38	94	65 - 129	
Bromodichloromethane	10	10.6	106	76 - 121	
Bromoform	10	10.1	101	69 - 128	
Bromomethane	10	8.38	84	30 - 141	
Carbon tetrachloride	10	10.3	103	66 - 138	
Chlorobenzene	10	9.69	97	81 - 122	
Chloroethane	10	9.61	96	58 - 133	
Chloroform	10	10.2	102	69 - 128	
Chloromethane	10	9.25	92	56 - 131	
cis-1,2-Dichloroethene	10	10.1	101	72 - 126	
cis-1,3-Dichloropropene	10	9.90	99	69 - 131	
Dibromochloromethane	10	10.2	103	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R24737

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-24737 **Initial Calibration ID:** 1854

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K0613.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.94	99	76 - 125	
Dichlorodifluoromethane	10	9.66	97	30 - 153	
Ethylbenzene	10	10.3	103	73 - 127	
Hexachlorobutadiene	10	8.53	85	67 - 131	
Isopropylbenzene	10	11.4	114	75 - 127	
Methyl tert-butyl ether	10	9.90	99	65 - 123	
Methylene chloride	10	9.66	97	63 - 137	
n-Butylbenzene	10	10.3	103	69 - 137	
n-Propylbenzene	10	10.7	107	72 - 129	
Naphthalene	10	8.68	87	54 - 138	
o-Xylene	10	9.59	96	80 - 121	
p-Isopropyltoluene	10	10.2	102	73 - 130	
sec-Butylbenzene	10	10.3	103	72 - 127	
Styrene	10	8.27	83	65 - 134	
tert-Butylbenzene	10	10.2	102	70 - 129	
Tetrachloroethene	10	9.40	94	66 - 128	
Toluene	10	9.67	97	77 - 122	
trans-1,2-Dichloroethene	10	10.2	102	63 - 137	
trans-1,3-Dichloropropene	10	9.35	94	59 - 135	
Trichloroethene	10	9.52	95	70 - 127	
Trichlorofluoromethane	10	9.99	100	57 - 129	
Vinyl chloride	10	11.3	113	50 - 134	
Xylenes (total)	30	29.0	97	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	98	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	312874	121878 - 487512	
Chlorobenzene-d5	630705	242134 - 968538	
Fluorobenzene	1512905	574162 - 2296648	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R24737

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-24737 **MS ID:** LCS-24737 **MSD ID:** LCSD-24737

Calibration ID: 1854

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	19.1	96	19.4	97	2	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	10.1	101	10.1	101	0	81 - 129	20	
1,1,1-Trichloroethane		10.0	10.0	100	9.92	99	1	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	10.4	104	10.6	106	1	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.1	101	10.2	102	1	75 - 125	20	
1,1-Dichloroethane		10.0	10.5	105	10.4	104	1	69 - 133	20	
1,1-Dichloroethene		10.0	10.0	100	10.1	101	1	68 - 130	20	
1,1-Dichloropropene		10.0	10.1	101	10.1	101	0	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	8.49	85	8.66	87	2	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.6	106	10.8	108	2	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	8.62	86	8.80	88	2	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	10.4	104	10.3	103	0	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	11.0	110	10.9	109	1	50 - 132	20	
1,2-Dibromoethane		10.0	9.43	94	9.84	98	4	80 - 121	20	
1,2-Dichlorobenzene		10.0	9.72	97	9.82	98	1	71 - 122	20	
1,2-Dichloroethane		10.0	10.3	103	10.3	103	0	69 - 132	20	
1,2-Dichloropropane		10.0	10.2	102	10.0	100	2	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.93	99	9.92	99	0	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.82	98	9.92	99	1	75 - 124	20	
1,3-Dichloropropane		10.0	9.69	97	10.0	100	4	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.87	99	9.97	100	1	74 - 123	20	
1-Chlorohexane		10.0	9.68	97	9.64	96	0	70 - 125	20	
2,2-Dichloropropane		10.0	9.59	96	9.26	93	4	69 - 137	20	
2-Butanone		20.0	18.1	90	18.9	94	4	49 - 136	20	
2-Chlorotoluene		10.0	11.6	116	11.5	115	1	73 - 126	20	
4-Chlorotoluene		10.0	10.2	102	10.1	101	0	74 - 128	20	
4-Methyl-2-pentanone		20.0	18.1	90	18.6	93	3	58 - 134	20	
Acetone		20.0	16.5	82	17.1	86	4	40 - 135	20	
Benzene		10.0	10.1	101	10.1	101	0	81 - 122	20	
Bromobenzene		10.0	9.50	95	9.56	96	1	76 - 124	20	
Bromochloromethane		10.0	9.16	92	9.38	94	2	65 - 129	20	
Bromodichloromethane		10.0	10.5	105	10.6	106	1	76 - 121	20	
Bromoform		10.0	9.91	99	10.1	101	2	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R24737

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-24737 **MS ID:** LCS-24737 **MSD ID:** LCSD-24737

Calibration ID: 1854

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	8.64	86	8.38	84	3	30 - 141	20	
Carbon tetrachloride		10.0	10.3	103	10.3	103	0	66 - 138	20	
Chlorobenzene		10.0	9.58	96	9.69	97	1	81 - 122	20	
Chloroethane		10.0	9.70	97	9.61	96	1	58 - 133	20	
Chloroform		10.0	10.2	102	10.2	102	0	69 - 128	20	
Chloromethane		10.0	9.63	96	9.25	92	4	56 - 131	20	
cis-1,2-Dichloroethene		10.0	10.0	100	10.1	101	0	72 - 126	20	
cis-1,3-Dichloropropene		10.0	9.64	96	9.90	99	3	69 - 131	20	
Dibromochloromethane		10.0	9.99	100	10.2	103	3	66 - 133	20	
Dibromomethane		10.0	9.79	98	9.94	99	2	76 - 125	20	
Dichlorodifluoromethane		10.0	9.80	98	9.66	97	1	30 - 153	20	
Ethylbenzene		10.0	10.2	102	10.3	103	1	73 - 127	20	
Hexachlorobutadiene		10.0	8.72	87	8.53	85	2	67 - 131	20	
Isopropylbenzene		10.0	11.4	114	11.4	114	0	75 - 127	20	
Methyl tert-butyl ether		10.0	9.66	97	9.90	99	2	65 - 123	20	
Methylene chloride		10.0	9.60	96	9.66	97	1	63 - 137	20	
n-Butylbenzene		10.0	10.5	105	10.3	103	2	69 - 137	20	
n-Propylbenzene		10.0	10.8	108	10.7	107	2	72 - 129	20	
Naphthalene		10.0	8.48	85	8.68	87	2	54 - 138	20	
o-Xylene		10.0	9.35	94	9.59	96	3	80 - 121	20	
p-Isopropyltoluene		10.0	10.2	102	10.2	102	1	73 - 130	20	
sec-Butylbenzene		10.0	10.4	104	10.3	103	1	72 - 127	20	
Styrene		10.0	9.43	94	8.27	83	13	65 - 134	20	
tert-Butylbenzene		10.0	10.2	102	10.2	102	0	70 - 129	20	
Tetrachloroethene		10.0	9.15	92	9.40	94	3	66 - 128	20	
Toluene		10.0	9.61	96	9.67	97	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	10.0	100	10.2	102	2	63 - 137	20	
trans-1,3-Dichloropropene		10.0	9.33	93	9.35	94	0	59 - 135	20	
Trichloroethene		10.0	9.61	96	9.52	95	1	70 - 127	20	
Trichlorofluoromethane		10.0	10.1	101	9.99	100	1	57 - 129	20	
Vinyl chloride		10.0	11.9	119	11.3	113	5	50 - 134	20	
Xylenes (total)		30.0	28.5	95	29.0	97	2	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R24736

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LF6VM13R31KA	K1209307-001B	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.2	
LF6VM13RD35KA	K1209307-002B	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.3	
LF6SW01PM01KA	K1209307-003B	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.2	
092712KE	K1209307-004B	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.1	
092712KF	K1209307-005A	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.4	
092712KR	K1209307-006A	27-Sep-12	28-Sep-12	03-Oct-12			03-Oct-12	14	6.5	
LF6M2046A	K1210012-001B	28-Sep-12	01-Oct-12	03-Oct-12			03-Oct-12	14	5	
LF6VM2650KA	K1210012-002B	28-Sep-12	01-Oct-12	03-Oct-12			03-Oct-12	14	4.9	
LF6T3304KA	K1210012-004B	28-Sep-12	01-Oct-12	03-Oct-12			03-Oct-12	14	5	
LF6T3406KA	K1210012-005B	28-Sep-12	01-Oct-12	03-Oct-12			03-Oct-12	14	5.1	
LF6T3602KA	K1210012-007B	28-Sep-12	01-Oct-12	03-Oct-12			03-Oct-12	14	5	
LF6T3805KA	K1210012-008B	28-Sep-12	01-Oct-12	03-Oct-12			03-Oct-12	14	5	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R24737

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
092712KF	K1209307-005A	27-Sep-12	28-Sep-12	04-Oct-12			04-Oct-12	14	7	
LF6M3145KA	K1210012-003B	28-Sep-12	01-Oct-12	04-Oct-12			04-Oct-12	14	6	
LF6T3505KA	K1210012-006B	28-Sep-12	01-Oct-12	04-Oct-12			04-Oct-12	14	5.9	
LF6M3920KA	K1210012-009B	28-Sep-12	01-Oct-12	04-Oct-12			04-Oct-12	14	5.9	
092812KE	K1210012-010B	28-Sep-12	01-Oct-12	04-Oct-12			04-Oct-12	14	5.9	
092812KF	K1210012-011A	28-Sep-12	01-Oct-12	04-Oct-12			04-Oct-12	14	6.1	
092812KR	K1210012-012A	28-Sep-12	01-Oct-12	04-Oct-12			04-Oct-12	14	6.2	
LF6M1645KA	K1210052-001B	01-Oct-12	03-Oct-12	04-Oct-12			04-Oct-12	14	2.9	
LF6M1750KA	K1210052-002B	01-Oct-12	03-Oct-12	04-Oct-12			04-Oct-12	14	2.9	
LF6M1750KC	K1210052-003B	01-Oct-12	03-Oct-12	04-Oct-12			04-Oct-12	14	2.9	
100112KE	K1210052-004B	01-Oct-12	03-Oct-12	04-Oct-12			04-Oct-12	14	2.9	
100112KF	K1210052-005A	01-Oct-12	03-Oct-12	04-Oct-12			04-Oct-12	14	3.1	
100112KR	K1210052-006A	01-Oct-12	03-Oct-12	04-Oct-12			04-Oct-12	14	3.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1854

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB120717AK	TB120717AK	17-Jul-12	5:37	17-Jul-12	6:44
ICAL/MDLV 0.2	ICAL/MDLV 0.25 ppb	17-Jul-12	6:44	17-Jul-12	7:16
ICAL/MDLV 0.5	ICAL/MDLV 0.50 ppb	17-Jul-12	7:16	17-Jul-12	7:48
ICAL/MDLV 1.0	ICAL/MDLV 1.0 ppb	17-Jul-12	7:48	17-Jul-12	8:20
ICAL/MDLV 2.0	ICAL/MDLV 2.0 ppb	17-Jul-12	8:20	17-Jul-12	8:52
ICAL 10 ppb	ICAL 10 ppb	17-Jul-12	8:52	17-Jul-12	9:24
2SRC-24731	2SRC-24731	17-Jul-12	9:24	17-Jul-12	9:56
ICAL 20 ppb	ICAL 20 ppb	17-Jul-12	9:56	17-Jul-12	10:28
ICAL 30 ppb	ICAL 30 ppb	17-Jul-12	10:28	17-Jul-12	11:00
ICAL 40 ppb	ICAL 40 ppb	17-Jul-12	11:00	17-Jul-12	12:04
ICAL 60 ppb	ICAL 60 ppb	17-Jul-12	12:04	17-Jul-12	13:08
ICAL 80 ppb	ICAL 80 ppb	17-Jul-12	13:08	17-Jul-12	13:08
TB121003AK	TB121003AK	03-Oct-12	8:18	03-Oct-12	8:18
CCV-24736	CCV-24736	03-Oct-12	8:18	03-Oct-12	8:55
LCS-24736	LCS-24736	03-Oct-12	8:55	03-Oct-12	9:27
MB-24736	MB-24736	03-Oct-12	11:03	03-Oct-12	12:07
LF6M2046A	K1210012-001B	03-Oct-12	12:07	03-Oct-12	13:03
LF6VM2650KA	K1210012-002B	03-Oct-12	13:03	03-Oct-12	13:35
LF6T3304KA	K1210012-004B	03-Oct-12	13:35	03-Oct-12	14:06
LF6T3406KA	K1210012-005B	03-Oct-12	14:06	03-Oct-12	14:38
LF6T3602KA	K1210012-007B	03-Oct-12	14:38	03-Oct-12	15:10
LF6T3805KA	K1210012-008B	03-Oct-12	15:10	03-Oct-12	17:50
LF6VM13R31KA	K1209307-001B	03-Oct-12	17:50	03-Oct-12	18:22
LF6VM13RD35KA	K1209307-002B	03-Oct-12	18:22	03-Oct-12	18:54
LF6SW01PM01KA	K1209307-003B	03-Oct-12	18:54	03-Oct-12	19:26
092712KE	K1209307-004B	03-Oct-12	19:26	03-Oct-12	19:57
092712KR	K1209307-006A	03-Oct-12	19:57	03-Oct-12	20:29
092712KF	K1209307-005A	03-Oct-12	20:29	03-Oct-12	20:29
TB121004AK	TB121004AK	04-Oct-12	5:59	04-Oct-12	5:59
LCS-24737	LCS-24737	04-Oct-12	5:59	04-Oct-12	6:32
CCV-24737	CCV-24737	04-Oct-12	6:32	04-Oct-12	7:04
LCSD-24737	LCSD-24737	04-Oct-12	7:04	04-Oct-12	8:08
MB-24737	MB-24737	04-Oct-12	8:08	04-Oct-12	8:40
LF6M1645KA	K1210052-001B	04-Oct-12	8:40	04-Oct-12	9:12
LF6M1750KA	K1210052-002B	04-Oct-12	9:12	04-Oct-12	9:44

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1854

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
LF6M1750KC	K1210052-003B	04-Oct-12	9:44	04-Oct-12	10:16
092712KF	K1209307-005A	04-Oct-12	10:16	04-Oct-12	10:48
LF6M3145KA	K1210012-003B	04-Oct-12	10:48	04-Oct-12	11:20
LF6T3505KA	K1210012-006B	04-Oct-12	11:20	04-Oct-12	11:52
LF6M3920KA	K1210012-009B	04-Oct-12	11:52	04-Oct-12	12:24
092812KE	K1210012-010B	04-Oct-12	12:24	04-Oct-12	12:56
092812KF	K1210012-011A	04-Oct-12	12:56	04-Oct-12	13:28
092812KR	K1210012-012A	04-Oct-12	13:28	04-Oct-12	14:00
100112KE	K1210052-004B	04-Oct-12	14:00	04-Oct-12	14:32
100112KF	K1210052-005A	04-Oct-12	14:32	04-Oct-12	15:04
100112KR	K1210052-006A	04-Oct-12	15:04	04-Oct-12	15:04

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_120717A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	7/17/2012 5:37:00 AM
Initial Calibration ID:	1854	**File ID:**	C:\HPCHEM\1\DATA\K0438.D
Compound:	SW8260B	**Sample ID:**	TB120717AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	23.0	
75	30 - 60% of m/z 95	54.2	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	66.7	
175	5 - 9% of m/z 174	7.3	
176	Greater than 95% but less than 101% of m/z 174	95.3	
177	5 - 9% of m/z 176	6.5	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_121003B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	10/3/2012 8:18:00 AM
Initial Calibration ID:	1854	**File ID:**	C:\HPCHEM\1\DATA\K0586.D
Compound:	SW8260B	**Sample ID:**	TB121003AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	24.4	
75	30 - 60% of m/z 95	55.4	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	64.2	
175	5 - 9% of m/z 174	7.7	
176	Greater than 95% but less than 101% of m/z 174	97.0	
177	5 - 9% of m/z 176	6.6	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_121004A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	10/4/2012 5:59:00 AM
Initial Calibration ID:	1854	**File ID:**	C:\HPCHEM\1\DATA\K0611.D
Compound:	SW8260B	**Sample ID:**	TB121004AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	25.0	
75	30 - 60% of m/z 95	57.0	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.9	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	61.6	
175	5 - 9% of m/z 174	7.5	
176	Greater than 95% but less than 101% of m/z 174	96.4	
177	5 - 9% of m/z 176	6.7	

Dissolved Gases Data

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16014

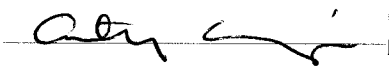
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31KA	K1209307-001B
LF6VM13RD35KA	K1209307-002B
LF6SW01PM01KA	K1209307-003B
092712KE	K1209307-004B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M2046A	K1210012-001B
LF6VM2650KA	K1210012-002B
LF6M3145KA	K1210012-003B
LF6T3304KA	K1210012-004B
LF6T3406KA	K1210012-005B
LF6T3505KA	K1210012-006B
LF6T3602KA	K1210012-007B
LF6T3805KA	K1210012-008B
LF6M3920KA	K1210012-009B
092812KE	K1210012-010B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16022

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645KA	K1210052-001B
LF6M1750KA	K1210052-002B
LF6M1750KC	K1210052-003B
100112KE	K1210052-004B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100819.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	32.39 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	5.9	2.8	1		U
Ethene	2.1	4.9	2.1	1		Q
Methane	1.4	4.9	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100820.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.66 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	1.9	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100821.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.98 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		Q
Methane	1.4	5.0	7.7	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100822.rst
Date Received:	28-Sep-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	32.11 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		Q
Methane	1.4	5.0	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: RSK 175
Preparatory Method: RSK 175
AAB #: 16014
Lab Name: Life Science Laboratories, Inc.
Contract #:
Field Sample ID: LF6M2046A
Lab Sample ID: K1210012-001B
Matrix: Groundwater
% Solids: 0
Initial Calibration ID: 1846
File ID: E:\Osioct12\E100826.rst
Date Received: 01-Oct-12
Date Extracted: 08-Oct-12
Date Analyzed: 08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight): µg/L
Sample Size: 31.2 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	570	1200	570	200		U
Ethene	430	1000	430	200		Q
Methane	290	1000	13000	200		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100827.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.74 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.0	2.8	1		U
Ethene	2.1	5.0	2.1	1		Q
Methane	1.4	5.0	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100828.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.65 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	6.6	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100829.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.23 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.9	6.1	2.9	1		U
Ethene	2.2	5.1	2.2	1		Q
Methane	1.4	5.1	100	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100830.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.6 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	5.2	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100831.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.51 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	6.6	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100832.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.71 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.0	2.1	1		Q
Methane	1.4	5.0	6.7	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100833.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.64 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	3.3	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100837.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.62 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100838.rst
Date Received:	01-Oct-12	**Date Extracted:**	08-Oct-12	**Date Analyzed:**	08-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.68 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16022
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100906.rst
Date Received:	03-Oct-12	**Date Extracted:**	09-Oct-12	**Date Analyzed:**	09-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	32.25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	560	1200	560	200		U
Ethene	420	990	420	200		Q
Methane	280	990	8400	200		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16022
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100908.rst
Date Received:	03-Oct-12	**Date Extracted:**	09-Oct-12	**Date Analyzed:**	09-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	31.49 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	140	300	140	50		U
Ethene	110	250	110	50		Q
Methane	71	250	1200	50		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16022
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osioct12\E100910.rst
Date Received:	03-Oct-12	**Date Extracted:**	09-Oct-12	**Date Analyzed:**	09-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.23 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	140	310	140	50		U
Ethene	110	260	110	50		Q
Methane	72	260	1400	50		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16022
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	\\Computer 1\tcdata\Osioct12\E100911.rst
Date Received:	03-Oct-12	**Date Extracted:**	09-Oct-12	**Date Analyzed:**	09-Oct-12
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	31.64 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	2.8	6.1	2.8	1		U
Ethene	2.1	5.1	2.1	1		Q
Methane	1.4	5.1	1.4	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Date of Initial Calibration:**	29-Mar-12
Initial Calibration ID:	1846	**Concentration Units:**	ug/L

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

Turbochrom Method File \\Computer 1\tcdata\Methods\osigases.mth
Printed by : manager on: 10/10/12 09:26:49
Created by : david on: 02/03/98 13:53:40
Edited by : manager on: 04/09/08 15:46:00
Number of Times Edited : 59
Number of Times Calibrated : 0
Description: Dissolved Gases Instrument/Process Method

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : Yes
Convert unknowns to concentration units : Yes
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

Methane
Component Type : Single Peak Component
Retention Time : 1.275 min
Search Window : 3.00 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
3	32.8000	270708.46	53054.11	----------	----------	1
2	49.2000	418014.06	69663.76	----------	----------	1
1	65.6000	537840.65	83229.35	----------	----------	1

Average Calibration Factor = 8316.105970 (%RSD = 1.90)

Ethane
Component Type : Single Peak Component
Retention Time : 1.467 min
Search Window : 3.40 s, 0.00 %
Reference Component :
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
3	61.4900	467899.17	90911.88	----------	----------	1
2	92.2400	696576.52	112425.70	----------	----------	1
1	122.9800	881447.21	128457.63	----------	----------	1

Average Calibration Factor = 7442.846776 (%RSD = 3.23)

Ethene
Component Type : Single Peak Component
Retention Time : 1.723 min
Search Window : 3.70 s, 0.00 %
Reference Component :
Find largest peak in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

10/10/12 09:26:49 Method: \\Computer 1\tcdata\Methods\osigases.mth

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
3	51.9700	452358.59	91761.07	----------	----------	1
2	77.9600	676077.12	114555.71	----------	----------	1
1	103.9400	862169.48	131838.21	----------	----------	1

Average Calibration Factor = 8557.068165 (%RSD = 2.66)

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	RSK 175	**AAB #:**	R23997
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	GCOS_17E	**Initial Calibration ID:**	1846
Second Source ID:	50UL STD #493	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Ethane	61.74	63	2.1	
Ethene	57.53	58	1.4	
Methane	32.91	33	-0.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Initial Calibration ID:**	1846

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

DISSOLVED GASES BY FID
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-OSI SEQUENCE: os100812g.SEQ COLUMN: ALUMINA

		Name:	50ul STD	Name:	50ul STD	Name:	50ul STD	Name:	50ul STD
		File:	E100801	File:	E100812	File:	E100823	File:	E100836
		Date:	10/08/12	Date:	10/08/12	Date:	10/08/12	Date:	10/08/12
		Time	08:27	Time	10:39	Time	12:45	Time	15:36
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.91	28.55600	13	29.65300	10	29	11	28.65600	13
Ethane	61.74	53.97900	13	56.14000	9	54.92000	11	53.53100	13
Ethene	57.53	50.79800	12	52.80600	8	51.52100	10	50.13700	13
Propane									

		Name:	50ul STD	Name:		Name:		Name:	
		File:	E100839	File:		File:		File:	
		Date:	10/08/12	Date:		Date:		Date:	
		Time	16:06	Time		Time		Time	
Parameter	Nominal Amount(ng)	Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79	28.94800	12						
Ethane	61.50	54.29600	12						
Ethene	58.05	50.89300	12						
Propane	89.50								

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AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Initial Calibration ID:**	1846

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

DISSOLVED GASES BY FID
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-OSI SEQUENCE: os100912g.SEQ COLUMN: ALUMINA

		Name:	50ul STD	Name:	50ul STD	Name:		Name:	
		File:	E100901	File:	E100912	File:		File:	
		Date:	10/09/12	Date:	10/09/12	Date:		Date:	
		Time	08:06	Time	11:04	Time		Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.91	29.68800	10	29.04100	12				
Ethane	61.74	55.53300	10	54.27000	12				
Ethene	57.53	52.20500	9	50.99700	11				
Propane									

		Name:		Name:		Name:		Name:	
		File:		File:		File:		File:	
		Date:		Date:		Date:		Date:	
		Time		Time		Time		Time	
Parameter	Nominal Amount(ng)	Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79								
Ethane	61.50								
Ethene	58.05								
Propane	89.50								

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AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	RSK 175	**AAB #:**	16014
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-16014
Initial Calibration ID:	1846	**File ID:**	E:\Osioct12\E100802.rst

Analyte	Method Blank	RL	Q
Ethane	2.9	6.0	U
Ethene	2.1	5.0	U
Methane	1.5	5.0	F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	RSK 175	**AAB #:**	16022
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	ug/L	**Method Blank ID:**	MB-16022
Initial Calibration ID:	1846	**File ID:**	E:\Osioct12\E100902.rst

Analyte	Method Blank	RL	Q
Ethane	2.9	6.0	U
Ethene	2.1	5.0	U
Methane	1.4	5.0	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-16014 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osioct12\E100803.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	38.504950	29	74	65 - 115	
Ethene	35.504950	21	60	65 - 115	*
Methane	20.277228	17	82	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-16014 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osioct12\E100804.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	39.270432	26	67	65 - 115	
Ethene	36.210792	20	56	65 - 115	*
Methane	20.680341	17	84	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16022

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-16022 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osioct12\E100903.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	39.964033	28	69	65 - 115	
Ethene	36.850353	20	55	65 - 115	*
Methane	21.045601	17	79	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16022

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-16022 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osioct12\E100904.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	39.696332	28	70	65 - 115	
Ethene	36.603509	21	57	65 - 115	*
Methane	20.904625	16	75	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-16014 **MS ID:** LCS-16014 **MSD ID:** LCSD-16014

Calibration ID: 1846

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Ethane		39	29	74	26	67	9	65 - 115	20	
Ethene		36	21	60	20	56	5	65 - 115	20	*
Methane		21	17	82	17	84	4	60 - 120	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: RSK 175 **AAB #:** 16022

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-16022 **MS ID:** LCS-16022 **MSD ID:** LCSD-16022

Calibration ID: 1846

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Ethane		40	28	69	28	70	1	65 - 115	20	
Ethene		37	20	55	21	57	2	65 - 115	20	*
Methane		21	17	79	16	75	5	60 - 120	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LF6VM13R31KA	K1209307-001B	27-Sep-12	28-Sep-12	08-Oct-12	14	10.8	08-Oct-12	14	0.2	
LF6VM13RD35KA	K1209307-002B	27-Sep-12	28-Sep-12	08-Oct-12	14	10.9	08-Oct-12	14	0.2	
LF6SW01PM01KA	K1209307-003B	27-Sep-12	28-Sep-12	08-Oct-12	14	10.8	08-Oct-12	14	0.2	
092712KE	K1209307-004B	27-Sep-12	28-Sep-12	08-Oct-12	14	10.7	08-Oct-12	14	0.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: RSK 175 **AAB #:** 16014

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LF6M2046A	K1210012-001B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.9	08-Oct-12	14	0.2	
LF6VM2650KA	K1210012-002B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.7	08-Oct-12	14	0.2	
LF6M3145KA	K1210012-003B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.9	08-Oct-12	14	0.2	
LF6T3304KA	K1210012-004B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.8	08-Oct-12	14	0.2	
LF6T3406KA	K1210012-005B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.9	08-Oct-12	14	0.3	
LF6T3505KA	K1210012-006B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.8	08-Oct-12	14	0.3	
LF6T3602KA	K1210012-007B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.7	08-Oct-12	14	0.3	
LF6T3805KA	K1210012-008B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.8	08-Oct-12	14	0.3	
LF6M3920KA	K1210012-009B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.8	08-Oct-12	14	0.3	
092812KE	K1210012-010B	28-Sep-12	01-Oct-12	08-Oct-12	14	9.7	08-Oct-12	14	0.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: RSK 175 **AAB #:** 16022

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LF6M1645KA	K1210052-001B	01-Oct-12	03-Oct-12	09-Oct-12	14	7.9	09-Oct-12	14	0.1	
LF6M1750KA	K1210052-002B	01-Oct-12	03-Oct-12	09-Oct-12	14	7.8	09-Oct-12	14	0.1	
LF6M1750KC	K1210052-003B	01-Oct-12	03-Oct-12	09-Oct-12	14	7.8	09-Oct-12	14	0.1	
100112KE	K1210052-004B	01-Oct-12	03-Oct-12	09-Oct-12	14	7.6	09-Oct-12	14	0.1	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: RSK 175 **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCOS_17E **Calibration ID:** 1846

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
MB-16014	MB-16014	08-Oct-12	8:37	08-Oct-12	8:49
LCS-16014	LCS-16014	08-Oct-12	8:49	08-Oct-12	9:01
LCSD-16014	LCSD-16014	08-Oct-12	9:01	08-Oct-12	9:52
LF6VM13R31KA	K1209307-001B	08-Oct-12	12:05	08-Oct-12	12:15
LF6VM13RD35KA	K1209307-002B	08-Oct-12	12:15	08-Oct-12	12:25
LF6SW01PM01KA	K1209307-003B	08-Oct-12	12:25	08-Oct-12	12:35
092712KE	K1209307-004B	08-Oct-12	12:35	08-Oct-12	12:35

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: RSK 175 **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCOS_17E **Calibration ID:** 1846

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
MB-16014	MB-16014	08-Oct-12	8:37	08-Oct-12	8:49
LCS-16014	LCS-16014	08-Oct-12	8:49	08-Oct-12	9:01
LCSD-16014	LCSD-16014	08-Oct-12	9:01	08-Oct-12	9:52
LF6M2046A	K1210012-001B	08-Oct-12	13:18	08-Oct-12	13:28
LF6VM2650KA	K1210012-002B	08-Oct-12	13:28	08-Oct-12	13:40
LF6M3145KA	K1210012-003B	08-Oct-12	13:40	08-Oct-12	13:51
LF6T3304KA	K1210012-004B	08-Oct-12	13:51	08-Oct-12	14:27
LF6T3406KA	K1210012-005B	08-Oct-12	14:27	08-Oct-12	14:39
LF6T3505KA	K1210012-006B	08-Oct-12	14:39	08-Oct-12	14:49
LF6T3602KA	K1210012-007B	08-Oct-12	14:49	08-Oct-12	15:00
LF6T3805KA	K1210012-008B	08-Oct-12	15:00	08-Oct-12	15:46
LF6M3920KA	K1210012-009B	08-Oct-12	15:46	08-Oct-12	15:56
092812KE	K1210012-010B	08-Oct-12	15:56	08-Oct-12	15:56

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: RSK 175 **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCOS_17E **Calibration ID:** 1846

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
MB-16022	MB-16022	09-Oct-12	8:17	09-Oct-12	8:29
LCS-16022	LCS-16022	09-Oct-12	8:29	09-Oct-12	8:39
LCSD-16022	LCSD-16022	09-Oct-12	8:39	09-Oct-12	9:11
LF6M1645KA	K1210052-001B	09-Oct-12	9:11	09-Oct-12	10:08
LF6M1750KA	K1210052-002B	09-Oct-12	10:08	09-Oct-12	10:38
LF6M1750KC	K1210052-003B	09-Oct-12	10:38	09-Oct-12	10:49
100112KE	K1210052-004B	09-Oct-12	10:49	09-Oct-12	10:49

Comments:

Dissolved Organic Carbon Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31KA	K1209307-001C
LF6VM13RD35KA	K1209307-002C
LF6SW01PM01KA	K1209307-003C
092712KE	K1209307-004C

Comments:

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

Signature: Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M2046A	K1210012-001C
LF6VM2650KA	K1210012-002C
LF6M3145KA	K1210012-003C
LF6T3304KA	K1210012-004C
LF6T3406KA	K1210012-005C
LF6T3505KA	K1210012-006C
LF6T3602KA	K1210012-007C
LF6T3805KA	K1210012-008C
LF6M3920KA	K1210012-009C
092812KE	K1210012-010C

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R24677

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645KA	K1210052-001C
LF6M1750KA	K1210052-002C
LF6M1750KC	K1210052-003C
100112KE	K1210052-004C

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.60	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24675		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24675	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	11-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M2046A	**Lab Sample ID:**	K1210012-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.67	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24676		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3406KA	**Lab Sample ID:**	K1210012-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24676		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.98	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24676		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.63	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24676		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	**U**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24676	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	**U**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R24677		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	15-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24677	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	15-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24677	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	15-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R24677	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1852		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	15-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1852

AAB #: R24675
Contract #:
Date of Initial Calibration: 09-Oct-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999564	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1852

AAB #: R24676
Contract #:
Date of Initial Calibration: 09-Oct-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999564	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1852

AAB #: R24677
Contract #:
Date of Initial Calibration: 09-Oct-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999564	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SM 5310 B	**AAB #:**	R24675
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	TOC-5000A	**Initial Calibration ID:**	1852
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	9.65	-3.5	10.0	9.66	-3.4	9.65	-3.5	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SM 5310 B	**AAB #:**	R24676
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	TOC-5000A	**Initial Calibration ID:**	1852
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	9.63	-3.7	10.0	9.75	-2.5	9.97	-0.3	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SM 5310 B **AAB #:** R24677

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: TOC-5000A **Initial Calibration ID:** 1852

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:**

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	9.48	-5.2	10.0	9.54	-4.6			

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1852

Method Blank ID: MB-24675 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.10	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1852

Method Blank ID: MB-24675 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.060	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1852

Method Blank ID: MB-24675 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.0049	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1852

Method Blank ID: MB-24676 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.20	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1852

Method Blank ID: MB-24676 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.13	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1852

Method Blank ID: MB-24676 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	0.013	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24677

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1852

Method Blank ID: MB-24677 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.14	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R24677

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1852

Method Blank ID: MB-24677 **Initial Calibration ID:** 1852

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.059	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24675 **Initial Calibration ID:** 1852

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	9.65	96	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24676 **Initial Calibration ID:** 1852

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	9.63	96	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B **AAB #:** R24677

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24677 **Initial Calibration ID:** 1852

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	9.48	95	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R24675

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LF6VM13R31KA	K1209307-001C	27-Sep-12	28-Sep-12	11-Oct-12	28	14.1	
LF6VM13RD35KA	K1209307-002C	27-Sep-12	28-Sep-12	11-Oct-12	28	14.2	
LF6SW01PM01KA	K1209307-003C	27-Sep-12	28-Sep-12	11-Oct-12	28	14.0	
092712KE	K1209307-004C	27-Sep-12	28-Sep-12	11-Oct-12	28	13.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R24676

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LF6M2046A	K1210012-001C	28-Sep-12	01-Oct-12	12-Oct-12	28	13.9	
LF6VM2650KA	K1210012-002C	28-Sep-12	01-Oct-12	12-Oct-12	28	13.8	
LF6M3145KA	K1210012-003C	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
LF6T3304KA	K1210012-004C	28-Sep-12	01-Oct-12	12-Oct-12	28	13.9	
LF6T3406KA	K1210012-005C	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
LF6T3505KA	K1210012-006C	28-Sep-12	01-Oct-12	12-Oct-12	28	13.9	
LF6T3602KA	K1210012-007C	28-Sep-12	01-Oct-12	12-Oct-12	28	13.9	
LF6T3805KA	K1210012-008C	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
LF6M3920KA	K1210012-009C	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
092812KE	K1210012-010C	28-Sep-12	01-Oct-12	12-Oct-12	28	13.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R24677

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LF6M1645KA	K1210052-001C	01-Oct-12	03-Oct-12	15-Oct-12	28	14.0	
LF6M1750KA	K1210052-002C	01-Oct-12	03-Oct-12	15-Oct-12	28	14.0	
LF6M1750KC	K1210052-003C	01-Oct-12	03-Oct-12	15-Oct-12	28	14.0	
100112KE	K1210052-004C	01-Oct-12	03-Oct-12	15-Oct-12	28	13.8	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: TOC-5000A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
S 0	S 0	09-Oct-12	9:28	09-Oct-12	9:58
S 1	S 1	09-Oct-12	9:58	09-Oct-12	10:08
S 10	S 10	09-Oct-12	10:08	09-Oct-12	10:19
S 20	S 20	09-Oct-12	10:19	09-Oct-12	10:19
ICV	ICV	11-Oct-12	8:38	11-Oct-12	8:39
LCS-24675	LCS-24675	11-Oct-12	8:39	11-Oct-12	8:51
ICB	ICB	11-Oct-12	8:51	11-Oct-12	8:52
MB-24675	MB-24675	11-Oct-12	8:52	11-Oct-12	10:10
CCV1	CCV1	11-Oct-12	12:39	11-Oct-12	13:10
CCB1	CCB1	11-Oct-12	13:10	11-Oct-12	13:54
LF6VM13R31KA	K1209307-001C	11-Oct-12	13:54	11-Oct-12	14:06
LF6VM13RD35KA	K1209307-002C	11-Oct-12	14:06	11-Oct-12	14:18
LF6SW01PM01KA	K1209307-003C	11-Oct-12	14:18	11-Oct-12	14:30
092712KE	K1209307-004C	11-Oct-12	14:30	11-Oct-12	14:46
CCV2	CCV2	11-Oct-12	14:46	11-Oct-12	14:59
CCB2	CCB2	11-Oct-12	14:59	11-Oct-12	14:59
ICV	ICV	12-Oct-12	8:29	12-Oct-12	8:30
LCS-24676	LCS-24676	12-Oct-12	8:30	12-Oct-12	8:43
ICB	ICB	12-Oct-12	8:43	12-Oct-12	8:44
MB-24676	MB-24676	12-Oct-12	8:44	12-Oct-12	9:59
LF6M2046A	K1210012-001C	12-Oct-12	9:59	12-Oct-12	10:07
LF6VM2650KA	K1210012-002C	12-Oct-12	10:07	12-Oct-12	10:34
LF6M3145KA	K1210012-003C	12-Oct-12	10:34	12-Oct-12	10:51
LF6T3304KA	K1210012-004C	12-Oct-12	10:51	12-Oct-12	10:59
LF6T3406KA	K1210012-005C	12-Oct-12	10:59	12-Oct-12	11:24
LF6T3505KA	K1210012-006C	12-Oct-12	11:24	12-Oct-12	11:36
LF6T3602KA	K1210012-007C	12-Oct-12	11:36	12-Oct-12	12:05
CCV1	CCV1	12-Oct-12	12:05	12-Oct-12	12:16
CCB1	CCB1	12-Oct-12	12:16	12-Oct-12	13:32
LF6T3805KA	K1210012-008C	12-Oct-12	13:32	12-Oct-12	13:40
LF6M3920KA	K1210012-009C	12-Oct-12	13:40	12-Oct-12	13:47
092812KE	K1210012-010C	12-Oct-12	13:47	12-Oct-12	15:56
CCV2	CCV2	12-Oct-12	15:56	12-Oct-12	16:21
CCB2	CCB2	12-Oct-12	16:21	12-Oct-12	16:21
ICV	ICV	15-Oct-12	9:32	15-Oct-12	9:33
LCS-24677	LCS-24677	15-Oct-12	9:33	15-Oct-12	9:41
ICB	ICB	15-Oct-12	9:41	15-Oct-12	9:42

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: TOC-5000A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
MB-24677	MB-24677	15-Oct-12	9:42	15-Oct-12	10:08
LF6M1645KA	K1210052-001C	15-Oct-12	10:08	15-Oct-12	10:20
LF6M1750KA	K1210052-002C	15-Oct-12	10:20	15-Oct-12	10:35
LF6M1750KC	K1210052-003C	15-Oct-12	10:35	15-Oct-12	10:45
100112KE	K1210052-004C	15-Oct-12	10:45	15-Oct-12	13:27
CCV1	CCV1	15-Oct-12	13:27	15-Oct-12	13:39
CCB1	CCB1	15-Oct-12	13:39	15-Oct-12	13:39

Comments:

Sulfate Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24681

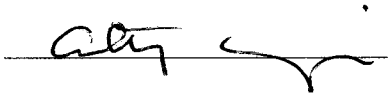
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31KA	K1209307-001A
LF6VM13RD35KA	K1209307-002A
LF6SW01PM01KA	K1209307-003A
092712KE	K1209307-004A
LF6M2046KA	K1210012-001A
LF6VM2650KA	K1210012-002A
LF6M3145KA	K1210012-003A
LF6T3304KA	K1210012-004A
LF6T3406KA	K1210012-005A
LF6T3505KA	K1210012-006A
LF6T3602KA	K1210012-007A
LF6T3805KA	K1210012-008A
LF6M3920KA	K1210012-009A
092812KE	K1210012-010A

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 11-5-12 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R24681A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645KA	K1210052-001A
LF6M1750KA	K1210052-002A
LF6M1750KC	K1210052-003A
100112KE	K1210052-004A

Comments:

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

Signature: Anthony C

Name: Anthony Crescenzi

Date: 11-5-12

Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13R31KA	**Lab Sample ID:**	K1209307-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	48	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13RD35KA	**Lab Sample ID:**	K1209307-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	53	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6SW01PM01KA	**Lab Sample ID:**	K1209307-003A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	32	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092712KE	**Lab Sample ID:**	K1209307-004A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	28-Sep-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	**U**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M2046KA	**Lab Sample ID:**	K1210012-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	53	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM2650KA	**Lab Sample ID:**	K1210012-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	42	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3145KA	**Lab Sample ID:**	K1210012-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	71	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3304KA	**Lab Sample ID:**	K1210012-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	85	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: LF6T3406KA **Lab Sample ID:** K1210012-005A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1851

Date Received: 01-Oct-12 **Date Prepared:** **Date Analyzed:** 12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	74	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3505KA	**Lab Sample ID:**	K1210012-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	48	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3602KA	**Lab Sample ID:**	K1210012-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	46	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3805KA	**Lab Sample ID:**	K1210012-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	42	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3920KA	**Lab Sample ID:**	K1210012-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	41	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	092812KE	**Lab Sample ID:**	K1210012-010A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	01-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681A	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1645KA	**Lab Sample ID:**	K1210052-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	59	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R24681A		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750KA	**Lab Sample ID:**	K1210052-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	64	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681A	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750KC	**Lab Sample ID:**	K1210052-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	64	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R24681A	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	100112KE	**Lab Sample ID:**	K1210052-004A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1851		
Date Received:	03-Oct-12	**Date Prepared:**		**Date Analyzed:**	12-Oct-12

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	**U**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1851

AAB #: R24681
Contract #:
Date of Initial Calibration: 16-Aug-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1851

AAB #: R24681A
Contract #:
Date of Initial Calibration: 16-Aug-12
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999939	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW9056	**AAB #:**	R24681
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	Dionex IC2	**Initial Calibration ID:**	1851
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Sulfate (as SO4)	20.0	19.8	-0.9	20.0	20.2	1.2	20.4	2.3	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW9056	**AAB #:**	R24681
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	Dionex IC2	**Initial Calibration ID:**	1851
2nd Source ID:	ICV	**CCV #1 ID:** CCV3	**CCV #2 ID:** CCV4

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Sulfate (as SO4)	20.0	19.8	-0.9	20.0	20.8	3.9	20.7	3.5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1851

Method Blank ID: MB-24681 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681 **Initial Calibration ID:** 1851

* Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB3 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB4 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681 **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1851

Method Blank ID: MB-24681A **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681A **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681A **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB3 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681A **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R24681A

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB4 **Initial Calibration ID:** 1851

Method Blank ID: MB-24681A **Initial Calibration ID:** 1851

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24681 **Initial Calibration ID:** 1851

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	20	19.8	99	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R24681A

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-24681A **Initial Calibration ID:** 1851

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	20	20.5	103	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R24681

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LF6VM13R31KA	K1209307-001A	27-Sep-12	28-Sep-12	12-Oct-12	28	14.9	
LF6VM13RD35KA	K1209307-002A	27-Sep-12	28-Sep-12	12-Oct-12	28	15.0	
LF6SW01PM01KA	K1209307-003A	27-Sep-12	28-Sep-12	12-Oct-12	28	14.9	
092712KE	K1209307-004A	27-Sep-12	28-Sep-12	12-Oct-12	28	14.9	
LF6M2046KA	K1210012-001A	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
LF6VM2650KA	K1210012-002A	28-Sep-12	01-Oct-12	12-Oct-12	28	13.9	
LF6M3145KA	K1210012-003A	28-Sep-12	01-Oct-12	12-Oct-12	28	14.1	
LF6T3304KA	K1210012-004A	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
LF6T3406KA	K1210012-005A	28-Sep-12	01-Oct-12	12-Oct-12	28	14.1	
LF6T3505KA	K1210012-006A	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
LF6T3602KA	K1210012-007A	28-Sep-12	01-Oct-12	12-Oct-12	28	13.9	
LF6T3805KA	K1210012-008A	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
LF6M3920KA	K1210012-009A	28-Sep-12	01-Oct-12	12-Oct-12	28	14.0	
092812KE	K1210012-010A	28-Sep-12	01-Oct-12	12-Oct-12	28	13.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R24681A

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LF6M1645KA	K1210052-001A	01-Oct-12	03-Oct-12	12-Oct-12	28	11.2	
LF6M1750KA	K1210052-002A	01-Oct-12	03-Oct-12	12-Oct-12	28	11.2	
LF6M1750KC	K1210052-003A	01-Oct-12	03-Oct-12	12-Oct-12	28	11.2	
100112KE	K1210052-004A	01-Oct-12	03-Oct-12	12-Oct-12	28	11.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Dionex IC2

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
ICAL 7	ICAL 7	16-Aug-12	8:57	16-Aug-12	9:28
ICAL 1	ICAL 1	16-Aug-12	9:28	16-Aug-12	9:40
ICAL 2	ICAL 2	16-Aug-12	9:40	16-Aug-12	9:53
ICAL 3	ICAL 3	16-Aug-12	9:53	16-Aug-12	10:05
ICAL 4	ICAL 4	16-Aug-12	10:05	16-Aug-12	10:18
ICAL 5	ICAL 5	16-Aug-12	10:18	16-Aug-12	10:31
ICAL 6	ICAL 6	16-Aug-12	10:31	16-Aug-12	10:31
ICV	ICV	12-Oct-12	8:23	12-Oct-12	8:24
LCS-24681	LCS-24681	12-Oct-12	8:24	12-Oct-12	8:36
ICB	ICB	12-Oct-12	8:36	12-Oct-12	8:37
MB-24681	MB-24681	12-Oct-12	8:37	12-Oct-12	9:26
LF6VM13R31KA	K1209307-001A	12-Oct-12	9:46	12-Oct-12	9:58
LF6VM13RD35KA	K1209307-002A	12-Oct-12	9:58	12-Oct-12	10:11
LF6SW01PM01KA	K1209307-003A	12-Oct-12	10:11	12-Oct-12	11:07
CCV1	CCV1	12-Oct-12	11:07	12-Oct-12	11:20
CCB1	CCB1	12-Oct-12	11:20	12-Oct-12	12:09
LF6M2046KA	K1210012-001A	12-Oct-12	12:09	12-Oct-12	12:21
LF6VM2650KA	K1210012-002A	12-Oct-12	12:21	12-Oct-12	12:34
LF6M3145KA	K1210012-003A	12-Oct-12	12:34	12-Oct-12	12:47
LF6T3304KA	K1210012-004A	12-Oct-12	12:47	12-Oct-12	12:59
LF6T3406KA	K1210012-005A	12-Oct-12	12:59	12-Oct-12	13:12
LF6T3505KA	K1210012-006A	12-Oct-12	13:12	12-Oct-12	13:24
LF6T3602KA	K1210012-007A	12-Oct-12	13:24	12-Oct-12	13:37
LF6T3805KA	K1210012-008A	12-Oct-12	13:37	12-Oct-12	13:50
LF6M3920KA	K1210012-009A	12-Oct-12	13:50	12-Oct-12	14:02
092812KE	K1210012-010A	12-Oct-12	14:02	12-Oct-12	14:15
CCV2	CCV2	12-Oct-12	14:15	12-Oct-12	14:28
CCB2	CCB2	12-Oct-12	14:28	12-Oct-12	14:41
092712KE	K1209307-004A	12-Oct-12	14:41	12-Oct-12	15:38
LF6M1645KA	K1210052-001A	12-Oct-12	15:38	12-Oct-12	15:51
LF6M1750KA	K1210052-002A	12-Oct-12	15:51	12-Oct-12	16:03
LF6M1750KC	K1210052-003A	12-Oct-12	16:03	12-Oct-12	16:16
100112KE	K1210052-004A	12-Oct-12	16:16	12-Oct-12	17:39
CCV3	CCV3	12-Oct-12	17:39	12-Oct-12	17:51
CCB3	CCB3	12-Oct-12	17:51	12-Oct-12	18:29
MB-24681A	MB-24681A	12-Oct-12	18:29	12-Oct-12	18:42
LCS-24681A	LCS-24681A	12-Oct-12	18:42	12-Oct-12	19:19

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Dionex IC2

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
CCV4	CCV4	12-Oct-12	19:19	12-Oct-12	19:32
CCB4	CCB4	12-Oct-12	19:32	12-Oct-12	19:32

Comments:

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

Tuesday, April 02, 2013

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - BLDG 775
RE: Analytical Results Order No.: K1303138

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received 14 sample(s) on 3/13/2013 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-Bldg 775- Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were found upon sample receipt. The temperature of the well-iced cooler was 2.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – Bldg 775
Work Order #:	K1303138
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 3/27/13

Supervisor/Reviewed by (Initials/Date): 3/27/13

QA/QC Review (Initials/Date): 3/28/13

File Name: U:\Narratives\MSVoa\K1303138msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCSD-25425	Isopropylbenzene	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

MS/MSD
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
The following compound(s) did not meet second source calibration recovery criteria:

2SRC No.	Compound	Corrective Action
2SRC-25425	Isopropylbenzene	1

1 The recovery marginally exceeded the upper control limit of 125% and was not detected in associated samples. No corrective action was taken.

Client: FPM
Project/Order: Griffiss AFB – Bldg 775
Work Order #: K1303138
Methodology: 8260B

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25425	MS1	1,1,2,2-Tetrachloroethane	23.0		1
		1,3,5-Trimethylbenzene	24.4		1
		1,2-Dibromo-3-chloropropane	20.6		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *02-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Bldg 775
Lab Order: K1303138

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303138-001A	775VM0570OA	775VMW-5	3/11/2013	3/13/2013
K1303138-002A	775M0673OA	775MW-6	3/11/2013	3/13/2013
K1303138-003A	775VM0873OA	775VMW-8	3/11/2013	3/13/2013
K1303138-004A	775VM1095OA	775VMW-10	3/11/2013	3/13/2013
K1303138-005A	775VM19R67OA	775MW-19R	3/11/2013	3/13/2013
K1303138-006A	775M20115OA	775MW-20	3/11/2013	3/13/2013
K1303138-007A	775M2771OA	775MW-27	3/11/2013	3/13/2013
K1303138-008A	775M2880OA	775MW-28	3/11/2013	3/13/2013
K1303138-009A	775M2880OC	775MW-28	3/11/2013	3/13/2013
K1303138-010A	775E0175OA	775EW-1	3/11/2013	3/13/2013
K1303138-011A	775EF0101OA	775EF-1	3/11/2013	3/13/2013
K1303138-012A	031113OE	FIELDQC	3/11/2013	3/13/2013
K1303138-013A	031113OF	FIELDQC	3/11/2013	3/13/2013
K1303138-014A	031113OR	FIELDQC	3/11/2013	3/13/2013

Life Science Laboratories, Inc.

02-Apr-13

Lab Order: K1303138
Client: FPM Group
Project: Griffiss AFB - Bldg 775

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303138-001A	775VM0570OA	3/11/2013 3:02:00 PM	Groundwater	Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-002A	775M0673OA	3/11/2013 1:38:00 PM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-003A	775VM0873OA	3/11/2013 2:20:00 PM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-004A	775VM1095OA	3/11/2013 2:11:00 PM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-005A	775VM19R67OA	3/11/2013 3:11:00 PM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-006A	775M20115OA	3/11/2013 11:31:00 AM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-007A	775M2771OA	3/11/2013 11:52:00 AM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-008A	775M2880OA	3/11/2013 12:11:00 PM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-009A	775M2880OC	↓ ↓		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-010A	775E0175OA	3/11/2013 10:48:00 AM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-011A	775EF0101OA	3/11/2013 10:15:00 AM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-012A	031113OE	3/11/2013 10:25:00 AM	Water Q	Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-013A	031113OF	3/11/2013 10:20:00 AM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303138-014A	031113OR	3/11/2013 9:00:00 AM		Volatile Organic Compounds by GC/MS			3/14/2013

External Chain of Custody

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _286_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB B775 Performance Sampler Name: Katrina Mattice Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 205

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Comments
775VM0570OA	775VMW-5	3/11	1502	WG	BP	N	0/0	3	3	
775M0673OA	775MW-6	3/11	1338	WG	BP	N	0/0	3	3	
775VM0873OA	775VMW-8	3/11	1420	WG	BP	N	0/0	3	3	
775VM1095OA	775VMW-10	3/11	1411	WG	BP	N	0/0	3	3	
775VM19R67OA	775MW-19R	3/11	1511	WG	BP	N	0/0	3	3	
775M20115OA	775MW-20	3/11	1131	WG	BP	N	0/0	3	3	
775M2771OA	775MW-27	3/11	1152	WG	BP	N	0/0	3	3	
775M2880OA	775MW-28	3/11	1211	WG	BP	N	0/0	3	3	
775M2880OC	775MW-28	3/11	1211	WG	BP	FD	0/0	3	3	
775M2880OS	775MW-28	3/11	1211	WG	BP	MS	0/0	3	3	
775M2880OD	775MW-28	3/11	1211	WG	BP	SD	0/0	3	3	
775E0175OA	775EW-1	3/11	1048	WG	BP	N	0/0	3	3	
775EF0101OA	775EF-1	3/11	1015	WG	G	N	0/0	3	3	
031113OE	FIELDQC	3/11	1025	WQ	BP	EB	0/0	3	3	
031113OF	FIELDQC	3/11	1020	WQ	NA	AB	0/0	3	3	
031113OR	FIELDQC	3/11	0900	WQ	NA	TB	0/0	2	2	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature: 2.0 °C
Special Instructions/Comments: Parameter List: Analysis to be conducted in compliance with AFCEE QAPP 4.0 Note 1: VOCs: SW8260 AFCEE QAPP 4.0 List	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/13/13	#3 Released by: (Sig) Bill Donaldson	Date: 3-13-13
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 9:55	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Josh Wenzel	Date: : 3/5/13	#2 Received by: (Sig) Bill Donaldson	Date: 3-13-13	#3 Received by: (Sig)	Date: 3-13-13
Company Name: FPM Group Ltd	Time: 10:00	Company Name: Life Science Labs	Time: 10:00	Company Name: LSL	Time: 14:50

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **3/13/2013**

Work Order Number: **K1303138**

Received by: gis

Checklist completed by: AC 3-13-13 (Initials / Date)

Reviewed by: AC 3-13-13 (Initials / Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Client/Project FPM K1303138

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
001 → 14	A			Stored in fridge 1B	8260	3/13/13 ~~1700~~ 1500
001 → 14	A		LW	3/14/13 0730	8260	3/14/13 1315

LW 3/14/13

...gbook Forms\Logbooks (old)\GeneralLaboratory\Sign out

Analytical Results

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25425

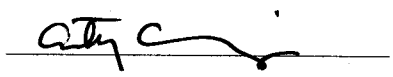
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
775VM0570OA	K1303138-001A
775M0673OA	K1303138-002A
775VM0873OA	K1303138-003A
775VM1095OA	K1303138-004A
775VM19R67OA	K1303138-005A
775M20115OA	K1303138-006A
775M2771OA	K1303138-007A
775M2880OA	K1303138-008A
775M2880OA	K1303138-008AMS
775M2880OA	K1303138-008AMSD
775M2880OC	K1303138-009A
775E0175OA	K1303138-010A
775EF0101OA	K1303138-011A
031113OE	K1303138-012A
031113OF	K1303138-013A
031113OR	K1303138-014A

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570OA	**Lab Sample ID:**	K1303138-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5765.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.240	2		F
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		U
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	10.3	2		F
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570OA	**Lab Sample ID:**	K1303138-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5765.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	0.200	2		U
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	0.320	2		U
Methylene chloride	0.320	2.00	0.600	2		F
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	0.200	2		U
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	53.1	2		
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	0.660	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0570OA	**Lab Sample ID:**	K1303138-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5765.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	397952	176534 - 706136	
Chlorobenzene-d5	755838	283296 - 1133186	
Fluorobenzene	2030574	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673OA	**Lab Sample ID:**	K1303138-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5766.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.130	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.32	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673OA	**Lab Sample ID:**	K1303138-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5766.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.660	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	16.5	1		
Trichlorofluoromethane	0.100	1.00	0.200	1		F
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M0673OA	**Lab Sample ID:**	K1303138-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5766.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	396067	176534 - 706136	
Chlorobenzene-d5	745142	283296 - 1133186	
Fluorobenzene	2014077	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873OA	**Lab Sample ID:**	K1303138-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5767.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.260	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.53	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873OA	**Lab Sample ID:**	K1303138-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5767.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	14.1	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM0873OA	**Lab Sample ID:**	K1303138-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5767.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	375396	176534 - 706136	
Chlorobenzene-d5	716576	283296 - 1133186	
Fluorobenzene	1921419	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095OA	**Lab Sample ID:**	K1303138-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5768.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.370	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	13.9	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095OA	**Lab Sample ID:**	K1303138-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5768.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.220	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	39.3	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM1095OA	**Lab Sample ID:**	K1303138-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5768.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	366917	176534 - 706136	
Chlorobenzene-d5	707026	283296 - 1133186	
Fluorobenzene	1908088	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67OA	**Lab Sample ID:**	K1303138-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5769.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	12.6	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67OA	**Lab Sample ID:**	K1303138-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5769.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775VM19R67QA	**Lab Sample ID:**	K1303138-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5769.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	363605	176534 - 706136	
Chlorobenzene-d5	704976	283296 - 1133186	
Fluorobenzene	1897409	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115OA	**Lab Sample ID:**	K1303138-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5770.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.330	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	1.32	1		
1,1-Dichloroethene	0.160	1.00	0.920	1		F
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.200	1		F
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	15.9	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260B **Preparatory Method:** **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 775M20115OA **Lab Sample ID:** K1303138-006A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1863 **File ID:** T5770.D

Date Received: 13-Mar-13 **Date Extracted:** **Date Analyzed:** 14-Mar-13

Concentration Units (ug/L or mg/Kg dry weight): µg/L **Sample Size:** 10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.160	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	20.2	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M20115QA	**Lab Sample ID:**	K1303138-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5770.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	116	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	358224	176534 - 706136	
Chlorobenzene-d5	694301	283296 - 1133186	
Fluorobenzene	1856384	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771OA	**Lab Sample ID:**	K1303138-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5771.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.32	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771OA	**Lab Sample ID:**	K1303138-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5771.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.170	1		F
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.520	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2771OA	**Lab Sample ID:**	K1303138-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5771.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	116	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	359540	176534 - 706136	
Chlorobenzene-d5	666273	283296 - 1133186	
Fluorobenzene	1757310	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260B **Preparatory Method:** **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 775M2880OA **Lab Sample ID:** K1303138-008A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1863 **File ID:** T5764.D

Date Received: 13-Mar-13 **Date Extracted:** **Date Analyzed:** 14-Mar-13

Concentration Units (ug/L or mg/Kg dry weight): µg/L **Sample Size:** 10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.140	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.00	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5764.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	7.39	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880QA	**Lab Sample ID:**	K1303138-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5764.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	390479	176534 - 706136	
Chlorobenzene-d5	743559	283296 - 1133186	
Fluorobenzene	1998246	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008AMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5760.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	16.9	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	8.98	1		
1,1,1-Trichloroethane	0.100	1.00	10.6	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	12.1	1		
1,1,2-Trichloroethane	0.160	1.00	10.5	1		
1,1-Dichloroethane	0.100	1.00	10.8	1		
1,1-Dichloroethene	0.160	1.00	9.55	1		
1,1-Dichloropropene	0.100	1.00	9.99	1		
1,2,3-Trichlorobenzene	0.100	1.00	10.0	1		
1,2,3-Trichloropropane	0.330	2.00	11.4	1		
1,2,4-Trichlorobenzene	0.100	1.00	9.53	1		
1,2,4-Trimethylbenzene	0.100	1.00	11.2	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	11.4	1		
1,2-Dibromoethane	0.160	1.00	10.1	1		
1,2-Dichlorobenzene	0.100	1.00	10.2	1		
1,2-Dichloroethane	0.160	0.500	11.0	1		
1,2-Dichloropropane	0.160	1.00	10.6	1		
1,3,5-Trimethylbenzene	0.100	1.00	11.1	1		
1,3-Dichlorobenzene	0.100	1.00	9.88	1		
1,3-Dichloropropane	0.100	0.500	10.5	1		
1,4-Dichlorobenzene	0.160	0.500	9.61	1		
1-Chlorohexane	0.160	1.00	9.73	1		
2,2-Dichloropropane	0.330	1.00	9.04	1		
2-Butanone	1.00	10.0	19.9	1		
2-Chlorotoluene	0.100	1.00	11.2	1		
4-Chlorotoluene	0.100	1.00	11.2	1		
4-Methyl-2-pentanone	1.00	10.0	21.4	1		
Acetone	1.00	10.0	30.4	1		
Benzene	0.100	0.500	10.1	1		
Bromobenzene	0.100	1.00	9.49	1		
Bromochloromethane	0.100	1.00	9.20	1		
Bromodichloromethane	0.100	0.500	10.2	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008AMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5760.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	9.22	1		
Bromomethane	0.330	3.00	8.50	1		
Carbon tetrachloride	0.100	1.00	9.78	1		
Chlorobenzene	0.100	0.500	8.64	1		
Chloroethane	0.330	1.00	10.0	1		
Chloroform	0.100	0.500	10.3	1		
Chloromethane	0.330	1.00	10.4	1		
cis-1,2-Dichloroethene	0.100	1.00	9.80	1		
cis-1,3-Dichloropropene	0.160	0.500	10.4	1		
Dibromochloromethane	0.100	0.500	9.36	1		
Dibromomethane	0.160	1.00	10.0	1		
Dichlorodifluoromethane	0.100	1.00	10.8	1		
Ethylbenzene	0.100	1.00	9.34	1		
Hexachlorobutadiene	0.100	1.00	9.73	1		
Isopropylbenzene	0.100	1.00	12.4	1		
Methyl tert-butyl ether	0.160	5.00	9.82	1		
Methylene chloride	0.160	1.00	9.67	1		
n-Butylbenzene	0.100	1.00	11.8	1		
n-Propylbenzene	0.100	1.00	12.2	1		
Naphthalene	0.100	1.00	10.8	1		
o-Xylene	0.100	1.00	9.01	1		
p-Isopropyltoluene	0.160	1.00	10.8	1		
sec-Butylbenzene	0.160	1.00	11.0	1		
Styrene	0.100	1.00	9.06	1		
tert-Butylbenzene	0.100	1.00	10.8	1		
Tetrachloroethene	0.100	1.00	7.94	1		
Toluene	0.100	1.00	9.32	1		
trans-1,2-Dichloroethene	0.100	1.00	9.56	1		
trans-1,3-Dichloropropene	0.160	1.00	9.17	1		
Trichloroethene	0.100	1.00	17.0	1		
Trichlorofluoromethane	0.100	1.00	9.69	1		
Vinyl chloride	0.330	1.00	10.6	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008AMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5760.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	25.9	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	111	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	399126	176534 - 706136	
Chlorobenzene-d5	770067	283296 - 1133186	
Fluorobenzene	2018814	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008AMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5761.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	16.9	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	8.97	1		
1,1,1-Trichloroethane	0.100	1.00	10.5	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	12.0	1		
1,1,2-Trichloroethane	0.160	1.00	10.4	1		
1,1-Dichloroethane	0.100	1.00	10.7	1		
1,1-Dichloroethene	0.160	1.00	9.52	1		
1,1-Dichloropropene	0.100	1.00	9.96	1		
1,2,3-Trichlorobenzene	0.100	1.00	10.0	1		
1,2,3-Trichloropropane	0.330	2.00	11.2	1		
1,2,4-Trichlorobenzene	0.100	1.00	9.57	1		
1,2,4-Trimethylbenzene	0.100	1.00	11.3	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	10.9	1		
1,2-Dibromoethane	0.160	1.00	10.1	1		
1,2-Dichlorobenzene	0.100	1.00	10.2	1		
1,2-Dichloroethane	0.160	0.500	10.8	1		
1,2-Dichloropropane	0.160	1.00	10.5	1		
1,3,5-Trimethylbenzene	0.100	1.00	11.1	1		
1,3-Dichlorobenzene	0.100	1.00	10.0	1		
1,3-Dichloropropane	0.100	0.500	10.5	1		
1,4-Dichlorobenzene	0.160	0.500	9.76	1		
1-Chlorohexane	0.160	1.00	9.66	1		
2,2-Dichloropropane	0.330	1.00	8.68	1		
2-Butanone	1.00	10.0	19.8	1		
2-Chlorotoluene	0.100	1.00	11.2	1		
4-Chlorotoluene	0.100	1.00	11.3	1		
4-Methyl-2-pentanone	1.00	10.0	20.7	1		
Acetone	1.00	10.0	29.1	1		
Benzene	0.100	0.500	10.1	1		
Bromobenzene	0.100	1.00	9.72	1		
Bromochloromethane	0.100	1.00	9.14	1		
Bromodichloromethane	0.100	0.500	10.1	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008AMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5761.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	9.04	1		
Bromomethane	0.330	3.00	8.44	1		
Carbon tetrachloride	0.100	1.00	9.71	1		
Chlorobenzene	0.100	0.500	8.80	1		
Chloroethane	0.330	1.00	9.82	1		
Chloroform	0.100	0.500	10.2	1		
Chloromethane	0.330	1.00	10.3	1		
cis-1,2-Dichloroethene	0.100	1.00	9.78	1		
cis-1,3-Dichloropropene	0.160	0.500	10.3	1		
Dibromochloromethane	0.100	0.500	9.25	1		
Dibromomethane	0.160	1.00	9.97	1		
Dichlorodifluoromethane	0.100	1.00	10.6	1		
Ethylbenzene	0.100	1.00	9.35	1		
Hexachlorobutadiene	0.100	1.00	9.60	1		
Isopropylbenzene	0.100	1.00	12.4	1		
Methyl tert-butyl ether	0.160	5.00	9.72	1		
Methylene chloride	0.160	1.00	9.63	1		
n-Butylbenzene	0.100	1.00	11.6	1		
n-Propylbenzene	0.100	1.00	12.2	1		
Naphthalene	0.100	1.00	10.9	1		
o-Xylene	0.100	1.00	8.99	1		
p-Isopropyltoluene	0.160	1.00	10.8	1		
sec-Butylbenzene	0.160	1.00	10.9	1		
Styrene	0.100	1.00	9.06	1		
tert-Butylbenzene	0.100	1.00	10.8	1		
Tetrachloroethene	0.100	1.00	8.04	1		
Toluene	0.100	1.00	9.37	1		
trans-1,2-Dichloroethene	0.100	1.00	9.50	1		
trans-1,3-Dichloropropene	0.160	1.00	8.91	1		
Trichloroethene	0.100	1.00	17.2	1		
Trichlorofluoromethane	0.100	1.00	9.51	1		
Vinyl chloride	0.330	1.00	10.3	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OA	**Lab Sample ID:**	K1303138-008AMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5761.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	25.9	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	99	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	396357	176534 - 706136	
Chlorobenzene-d5	769139	283296 - 1133186	
Fluorobenzene	2014350	750293 - 3001172	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OC	**Lab Sample ID:**	K1303138-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5773.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.140	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.6	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OC	**Lab Sample ID:**	K1303138-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5773.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	7.41	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775M2880OC	**Lab Sample ID:**	K1303138-009A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5773.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	351320	176534 - 706136	
Chlorobenzene-d5	690241	283296 - 1133186	
Fluorobenzene	1884436	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175OA	**Lab Sample ID:**	K1303138-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5774.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.400	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	6.13	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175QA	**Lab Sample ID:**	K1303138-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5774.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.540	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775E0175OA	**Lab Sample ID:**	K1303138-010A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5774.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	116	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	99	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	348174	176534 - 706136	
Chlorobenzene-d5	691688	283296 - 1133186	
Fluorobenzene	1860109	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101OA	**Lab Sample ID:**	K1303138-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5775.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.350	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.05	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101OA	**Lab Sample ID:**	K1303138-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5775.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.600	1		
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	36.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	775EF0101OA	**Lab Sample ID:**	K1303138-011A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5775.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	116	72 - 119	
4-Bromofluorobenzene	95	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	341804	176534 - 706136	
Chlorobenzene-d5	675413	283296 - 1133186	
Fluorobenzene	1834048	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OE	**Lab Sample ID:**	K1303138-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5776.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	12.3	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OE	**Lab Sample ID:**	K1303138-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5776.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.220	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OE	**Lab Sample ID:**	K1303138-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5776.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	94	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	326324	176534 - 706136	
Chlorobenzene-d5	652045	283296 - 1133186	
Fluorobenzene	1756192	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OF	**Lab Sample ID:**	K1303138-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5777.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.47	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OF	**Lab Sample ID:**	K1303138-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5777.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.340	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OF	**Lab Sample ID:**	K1303138-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5777.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	97	76 - 119	
Toluene-d8	101	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	338214	176534 - 706136	
Chlorobenzene-d5	680536	283296 - 1133186	
Fluorobenzene	1848661	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OR	**Lab Sample ID:**	K1303138-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5778.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	5.54	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OR	**Lab Sample ID:**	K1303138-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5778.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031113OR	**Lab Sample ID:**	K1303138-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1863	**File ID:**	T5778.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	96	76 - 119	
Toluene-d8	100	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	319339	176534 - 706136	
Chlorobenzene-d5	658399	283296 - 1133186	
Fluorobenzene	1781487	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5973 MS1 (11)

Date of Initial Calibration: 14 Feb 13

Initial Calibration ID: 1863

Concentration Units: (ug/L or mg/Kg): ug/L

SEE ATTACHED

Comments:

AFCEE FORM O-3

Response Factor Report #1MS11

Method : C:\HPCHEM\1\METHODS\T214VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Sat Feb 16 08:47:59 2013
Response via : Initial Calibration

ICAL #1863

Calibration Files
0.25 =T5509.D 0.50 =T5510.D 1.0 =T5511.D
2.0 =T5512.D 10 =T5513.D 20 =T5515.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluoromet	0.390	0.381	0.367	0.389	0.391	0.384	0.378	3.06
3)	P	Chloromethane	0.476	0.438	0.422	0.425	0.429	0.412	0.413	7.88
4)	CP	Vinyl chloride	0.390	0.356	0.343	0.353	0.363	0.353	0.347	6.50
5)		Bromomethane	0.188	0.152	0.135	0.134	0.130	0.131	0.137	14.53
6)		Chloroethane	0.165	0.155	0.147	0.149	0.148	0.147	0.145	7.27
7)		Trichlorofluorometh	0.351	0.334	0.321	0.336	0.339	0.328	0.325	4.72
8)	CPM	1,1-Dichloroethene	0.230	0.225	0.217	0.219	0.243	0.249	0.239	6.30
9)		Carbon disulfide	0.795	0.712	0.679	0.740	0.934	0.976	0.857	13.61
10)		1,1,2-Trichloro-1,2	0.211	0.205	0.207	0.216	0.224	0.222	0.220	4.41
11)		Methyl iodide	0.178	0.203	0.206	0.237	0.280	0.309	0.270	21.64
12)		Acrolein	0.012	0.013	0.016	0.017	0.018	0.023	0.019	24.66
13)		Methylene chloride		0.461	0.353	0.305	0.283	0.277	0.307	20.75
14)		Acetone		0.035	0.038	0.035	0.036	0.035	0.035	4.59
15)		trans-1,2-Dichloroe	0.249	0.246	0.240	0.240	0.263	0.265	0.258	4.99
16)		Methyl acetate	0.106	0.131	0.126	0.134	0.140	0.135	0.129	7.08
17)		Methyl tert-Butyl e	0.505	0.468	0.462	0.460	0.489	0.500	0.486	3.46
18)		tert-Butyl Alcohol	0.006	0.006	0.006	0.006	0.007	0.008	0.007	15.75
19)	P	1,1-Dichloroethane	0.502	0.488	0.482	0.483	0.518	0.517	0.500	2.80
20)		Acrylonitrile	0.053	0.053	0.055	0.058	0.062	0.064	0.059	7.18
21)		Vinyl acetate	0.240	0.219	0.263	0.270	0.248	0.373	0.321	24.52
22)		cis-1,2-Dichloroeth	0.261	0.262	0.254	0.255	0.279	0.279	0.272	4.62
23)		2,2-Dichloropropane	0.253	0.241	0.221	0.221	0.271	0.293	0.279	15.67
24)		Bromochloromethane	0.076	0.090	0.089	0.090	0.099	0.103	0.097	10.30
25)		Cyclohexane	0.683	0.667	0.634	0.651	0.709	0.688	0.668	3.68
26)	CP	Chloroform	0.438	0.426	0.415	0.420	0.453	0.454	0.441	3.45
27)		Carbon tetrachlorid	0.171	0.167	0.165	0.176	0.223	0.247	0.223	21.53
28)		Tetrahydrofuran	0.114	0.079	0.064	0.059	0.052	0.051	0.061	34.85
29)		1,1,1-Trichloroetha	0.276	0.264	0.265	0.276	0.335	0.349	0.320	13.52
30)		2-Butanone		0.046	0.053	0.057	0.064	0.067	0.062	12.60
31)		1,1-Dichloropropene	0.383	0.368	0.356	0.371	0.403	0.402	0.388	4.40
32)	M	Benzene	1.231	1.173	1.172	1.147	1.209	1.192	1.147	6.66
33)	S	1,2-Dichloroethane-	0.238	0.257	0.239	0.235	0.235	0.232	0.234	4.34
34)		1,2-Dichloroethane	0.263	0.262	0.264	0.265	0.276	0.271	0.265	1.83
35)	M	Trichloroethene	0.246	0.242	0.237	0.239	0.258	0.262	0.256	5.21
36)		Methylcyclohexane	0.468	0.470	0.455	0.463	0.505	0.500	0.491	4.83
37)		Dibromomethane	0.095	0.096	0.093	0.094	0.105	0.110	0.103	7.48
38)	CP	1,2-Dichloropropane	0.293	0.272	0.281	0.276	0.307	0.305	0.294	4.41
39)		Bromodichloromethan	0.181	0.172	0.182	0.193	0.247	0.267	0.237	20.65
40)		2-Chloroethylvinyl	0.091	0.096	0.102	0.112	0.126	0.129	0.114	11.97
41)		cis-1,3-Dichloropro	0.205	0.201	0.216	0.233	0.331	0.363	0.308	27.03
42)	CPM	Toluene	0.604	0.606	0.607	0.614	0.656	0.652	0.622	3.74
43)		4-Methyl-2-pentanon	0.108	0.111	0.119	0.122	0.147	0.155	0.137	14.38

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

3/16/13

Response Factor Report #1MS11

Method : C:\HPCHEM\1\METHODS\T214VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Sat Feb 16 08:47:59 2013
Response via : Initial Calibration

Calibration Files
0.25 =T5509.D 0.50 =T5510.D 1.0 =T5511.D
2.0 =T5512.D 10 =T5513.D 20 =T5515.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
44)		trans-1,3-Dichlorop	0.135	0.125	0.128	0.143	0.221	0.256	0.215	34.44
45)		1,1,2-Trichloroetha	0.128	0.127	0.134	0.137	0.148	0.149	0.142	6.36
46)		2-Hexanone	0.054	0.058	0.065	0.071	0.091	0.098	0.083	22.46
47)	I	Chlorobenzene-d5	----------			ISTD	----------			
48)	S	Toluene-d8		2.684	2.443	2.332	2.329	2.291	2.261	10.57
49)		Tetrachloroethene	0.518	0.505	0.511	0.520	0.550	0.562	0.541	4.57
50)		Dibromochloromethan	0.190	0.193	0.200	0.226	0.322	0.370	0.304	29.52
51)		1,3-Dichloropropane	0.861	0.824	0.821	0.826	0.879	0.884	0.836	3.78
52)		1,2-Dibromoethane	0.261	0.275	0.299	0.318	0.364	0.379	0.334	12.73
53)		1-Chlorohexane	0.751	0.789	0.754	0.796	0.889	0.898	0.838	7.17
54)	PM	Chlorobenzene	1.613	1.539	1.502	1.520	1.585	1.580	1.521	4.12
55)	CP	Ethylbenzene	3.143	3.123	3.011	2.974	3.123	3.081	2.921	9.20
56)		1,1,1,2-Tetrachloro	0.255	0.255	0.276	0.297	0.394	0.426	0.359	21.71
57)		(m+p)-Xylene	1.034	1.033	1.043	1.080	1.138	1.131	1.052	5.79
58)		o-Xylene	1.026	1.031	0.977	1.026	1.105	1.111	1.041	4.37
59)		Styrene	1.410	1.397	1.456	1.559	1.727	1.738	1.544	8.03
60)	P	Bromoform		0.068	0.081	0.089	0.127	0.150	0.126	29.60
61)	I	1,4-Dichlorobenzene-d	----------			ISTD	----------			
62)		Isopropylbenzene	3.879	3.877	3.843	3.984	4.301	4.278	3.966	8.74
63)	S	Bromofluorobenzene		0.908	0.811	0.775	0.793	0.809	0.798	7.19
64)		Bromobenzene	0.731	0.760	0.782	0.810	0.867	0.874	0.814	6.06
65)		n-Propylbenzene	5.116	5.092	5.126	5.218	5.702	5.669	5.161	11.30
66)	P	1,1,2,2-Tetrachloro	0.606	0.549	0.619	0.624	0.667	0.687	0.632	7.20
67)		1,3,5-Trimethylbenz	3.083	3.267	3.166	3.325	3.687	3.707	3.406	9.21
68)		2-Chlorotoluene	3.457	3.483	3.465	3.479	3.721	3.705	3.496	7.43
69)		1,2,3-Trichloroprop	0.092	0.160	0.151	0.166	0.175	0.172	0.155	15.38
70)		trans-1,4-Dichloro-			0.022	0.033	0.047	0.071	0.067	43.54
71)		4-Chlorotoluene	3.006	2.955	2.963	2.993	3.213	3.225	3.019	7.44
72)		tert-Butylbenzene	2.801	2.847	2.887	2.924	3.193	3.162	2.970	6.24
73)		1,2,4-Trimethylbenz	2.997	3.087	3.067	3.133	3.385	3.377	3.166	6.47
74)		sec-Butylbenzene	4.404	4.444	4.396	4.511	4.865	4.788	4.454	8.85
75)		p-Isopropyltoluene	3.136	3.194	3.177	3.275	3.590	3.563	3.331	7.12
76)		1,3-Dichlorobenzene	1.527	1.555	1.555	1.556	1.635	1.638	1.592	2.90
77)		1,4-Dichlorobenzene	1.686	1.545	1.578	1.544	1.591	1.586	1.584	2.63
78)		n-Butylbenzene	3.015	3.011	3.000	3.063	3.379	3.351	3.149	8.08
79)		1,2-Dichlorobenzene	1.420	1.367	1.360	1.371	1.445	1.455	1.412	2.75
80)		1,2-Dibromo-3-chlor		0.022	0.043	0.050	0.066	0.071	0.063	32.44
81)		Hexachlorobutadiene	0.362	0.364	0.350	0.344	0.372	0.390	0.380	7.96
82)		1,2,4-Trichlorobenz	0.709	0.709	0.692	0.682	0.722	0.763	0.743	6.62
83)		Naphthalene	1.291	1.282	1.286	1.276	1.388	1.472	1.368	7.62
84)		1,2,3-Trichlorobenz	0.575	0.625	0.562	0.576	0.613	0.645	0.617	7.25

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

Response Factor Report #1MS11

Method : C:\HPCHEM\1\METHODS\T214VOCW.M (RTE Integrato:
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Sat Feb 16 08:50:20 2013
Response via : Initial Calibration

Calibration Files
30 =T5516.D 40 =T5517.D 60 =T5520.D
80 =T5522.D = =

		Compound	30	40	60	80
1)	I	Fluorobenzene	ISTD			
2)		Dichlorodifluoromet	0.379	0.377	0.363	0.358
3)	P	Chloromethane	0.398	0.392	0.382	0.360
4)	CP	Vinyl chloride	0.342	0.335	0.320	0.311
5)		Bromomethane	0.129	0.131	0.123	0.118
6)		Chloroethane	0.140	0.138	0.133	0.128
7)		Trichlorofluorometh	0.320	0.315	0.306	0.302
8)	CPM	1,1-Dichloroethene	0.249	0.252	0.254	0.255
9)		Carbon disulfide	0.979	0.968	0.927	0.863
10)		1,1,2-Trichloro-1,2	0.226	0.229	0.227	0.234
11)		Methyl iodide	0.311	0.323	0.326	0.328
12)		Acrolein	0.022	0.024	0.024	0.025
13)		Methylene chloride	0.273	0.273	0.272	0.268
14)		Acetone	0.034	0.033	0.034	0.033
15)		trans-1,2-Dichloroe	0.267	0.269	0.270	0.272
16)		Methyl acetate	0.131	0.129	0.131	0.124
17)		Methyl tert-Butyl e	0.493	0.492	0.504	0.488
18)		tert-Butyl Alcohol	0.008	0.008	0.009	0.008
19)	P	1,1-Dichloroethane	0.513	0.511	0.499	0.489
20)		Acrylonitrile	0.062	0.062	0.063	0.062
21)		Vinyl acetate	0.391	0.400	0.407	0.401
22)		cis-1,2-Dichloroeth	0.280	0.281	0.284	0.286
23)		2,2-Dichloropropane	0.301	0.324	0.330	0.333
24)		Bromochloromethane	0.103	0.104	0.107	0.107
25)		Cyclohexane	0.689	0.674	0.652	0.637
26)	CP	Chloroform	0.453	0.451	0.452	0.447
27)		Carbon tetrachlorid	0.256	0.265	0.273	0.282
28)		Tetrahydrofuran	0.049	0.048	0.049	0.046
29)		1,1,1-Trichloroetha	0.353	0.357	0.360	0.362
30)		2-Butanone	0.066	0.066	0.068	0.067
31)		1,1-Dichloropropene	0.401	0.399	0.397	0.397
32)	M	Benzene	1.165	1.141	1.071	0.968
33)	S	1,2-Dichloroethane-	0.226	0.224	0.225	0.224
34)		1,2-Dichloroethane	0.265	0.264	0.262	0.261
35)	M	Trichloroethene	0.264	0.267	0.268	0.273
36)		Methylcyclohexane	0.512	0.516	0.505	0.513
37)		Dibromomethane	0.108	0.108	0.111	0.112
38)	CP	1,2-Dichloropropane	0.303	0.304	0.301	0.300
39)		Bromodichloromethan	0.271	0.279	0.285	0.290
40)		2-Chloroethylvinyl	0.126	0.123	0.123	0.115
41)		cis-1,3-Dichloropro	0.369	0.381	0.390	0.392
42)	CPM	Toluene	0.644	0.640	0.605	0.593
43)		4-Methyl-2-pentanon	0.151	0.151	0.156	0.155

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

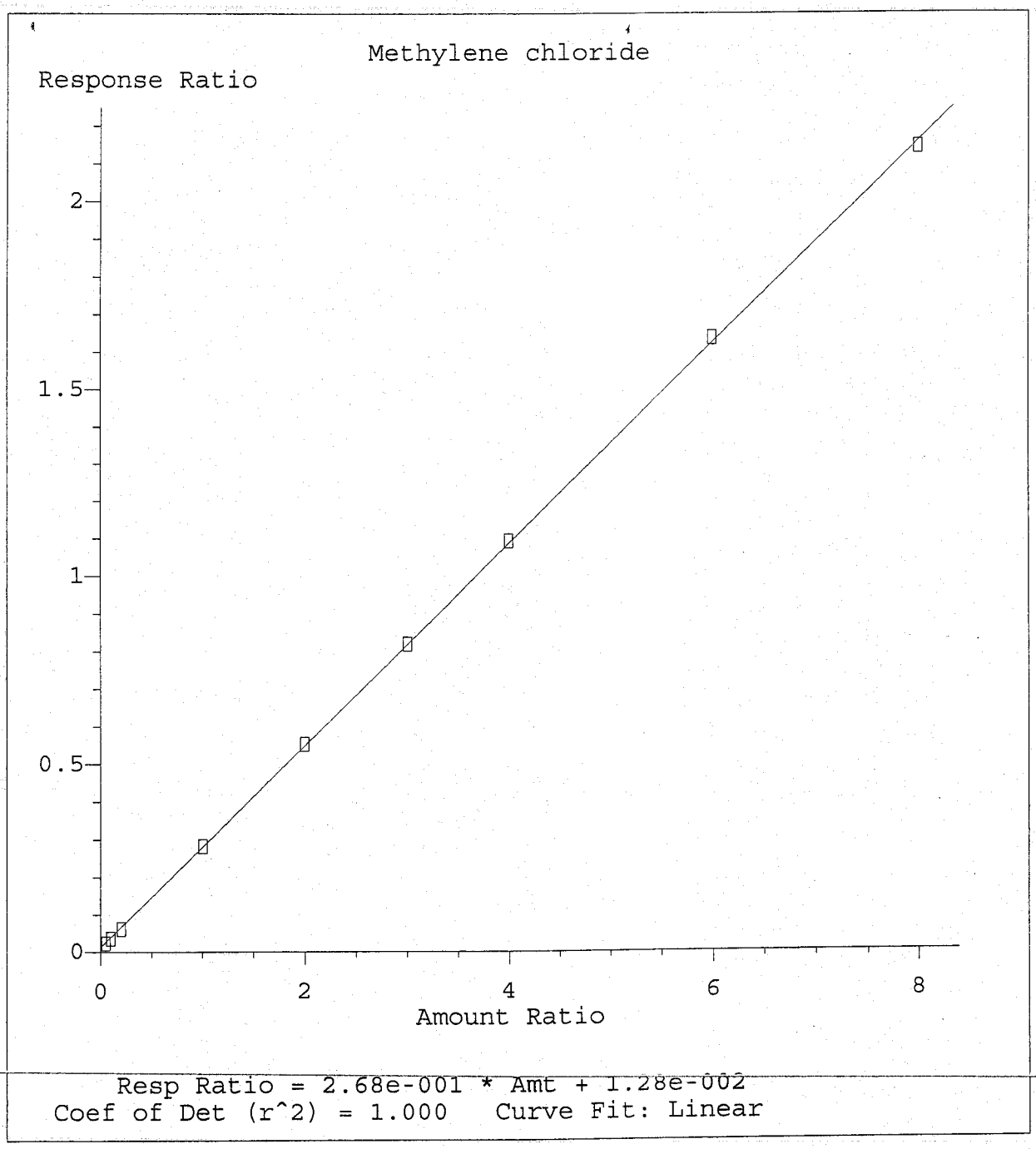
Response Factor Report #1MS11

Method : C:\HPCHEM\1\METHODS\T214VOCW.M (RTE Integrato
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Sat Feb 16 08:50:20 2013
Response via : Initial Calibration

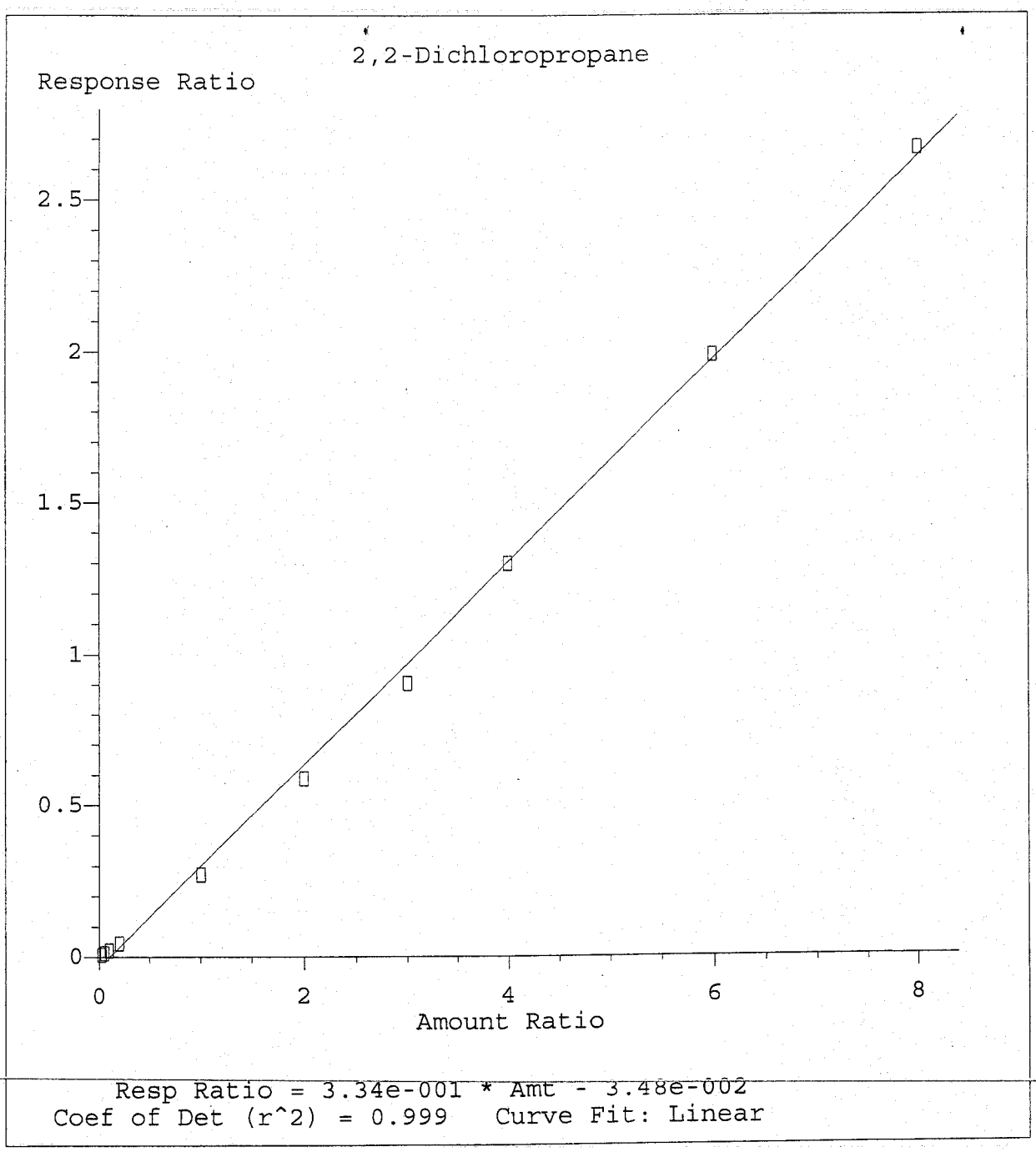
Calibration Files
30 =T5516.D 40 =T5517.D 60 =T5520.D
80 =T5522.D = =

		Compound	30	40	60	80
44)		trans-1,3-Dichlorop	0.267	0.280	0.295	0.297
45)		1,1,2-Trichloroetha	0.147	0.147	0.150	0.148
46)		2-Hexanone	0.097	0.096	0.100	0.099
47)	I	Chlorobenzene-d5	----------	ISTD	----------	
48)	S	Toluene-d8	2.230	2.171	2.015	1.855
49)		Tetrachloroethene	0.558	0.565	0.551	0.571
50)		Dibromochloromethan	0.375	0.385	0.389	0.387
51)		1,3-Dichloropropane	0.849	0.830	0.806	0.784
52)		1,2-Dibromoethane	0.369	0.365	0.359	0.347
53)		1-Chlorohexane	0.896	0.897	0.860	0.852
54)	PM	Chlorobenzene	1.534	1.486	1.435	1.421
55)	CP	Ethylbenzene	2.987	2.865	2.595	2.313
56)		1,1,1,2-Tetrachloro	0.426	0.424	0.409	0.432
57)		(m+p)-Xylene	1.069	1.045	1.030	0.920
58)		o-Xylene	1.082	1.052	1.000	1.001
59)		Styrene	1.652	1.536	1.481	1.480
60)	P	Bromoform	0.152	0.150	0.147	0.172
61)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------	
62)		Isopropylbenzene	4.364	4.244	3.626	3.266
63)	S	Bromofluorobenzene	0.827	0.816	0.713	0.727
64)		Bromobenzene	0.863	0.803	0.796	0.854
65)		n-Propylbenzene	5.715	5.550	4.560	3.866
66)	P	1,1,2,2-Tetrachloro	0.690	0.660	0.632	0.582
67)		1,3,5-Trimethylbenz	3.790	3.789	3.317	2.930
68)		2-Chlorotoluene	3.739	3.709	3.318	2.885
69)		1,2,3-Trichloroprop	0.167	0.158	0.163	0.147
70)		trans-1,4-Dichloro-	0.083	0.091	0.097	0.093
71)		4-Chlorotoluene	3.249	3.221	2.834	2.530
72)		tert-Butylbenzene	3.188	3.130	2.900	2.668
73)		1,2,4-Trimethylbenz	3.406	3.338	3.084	2.784
74)		sec-Butylbenzene	4.796	4.687	4.085	3.559
75)		p-Isopropyltoluene	3.609	3.576	3.256	2.933
76)		1,3-Dichlorobenzene	1.645	1.641	1.611	1.555
77)		1,4-Dichlorobenzene	1.575	1.599	1.592	1.544
78)		n-Butylbenzene	3.449	3.498	3.016	2.710
79)		1,2-Dichlorobenzene	1.463	1.442	1.415	1.386
80)		1,2-Dibromo-3-chlor	0.079	0.082	0.080	0.074
81)		Hexachlorobutadiene	0.423	0.439	0.377	0.384
82)		1,2,4-Trichlorobenz	0.804	0.830	0.741	0.774
83)		Naphthalene	1.522	1.533	1.338	1.291
84)		1,2,3-Trichlorobenz	0.675	0.699	0.600	0.600

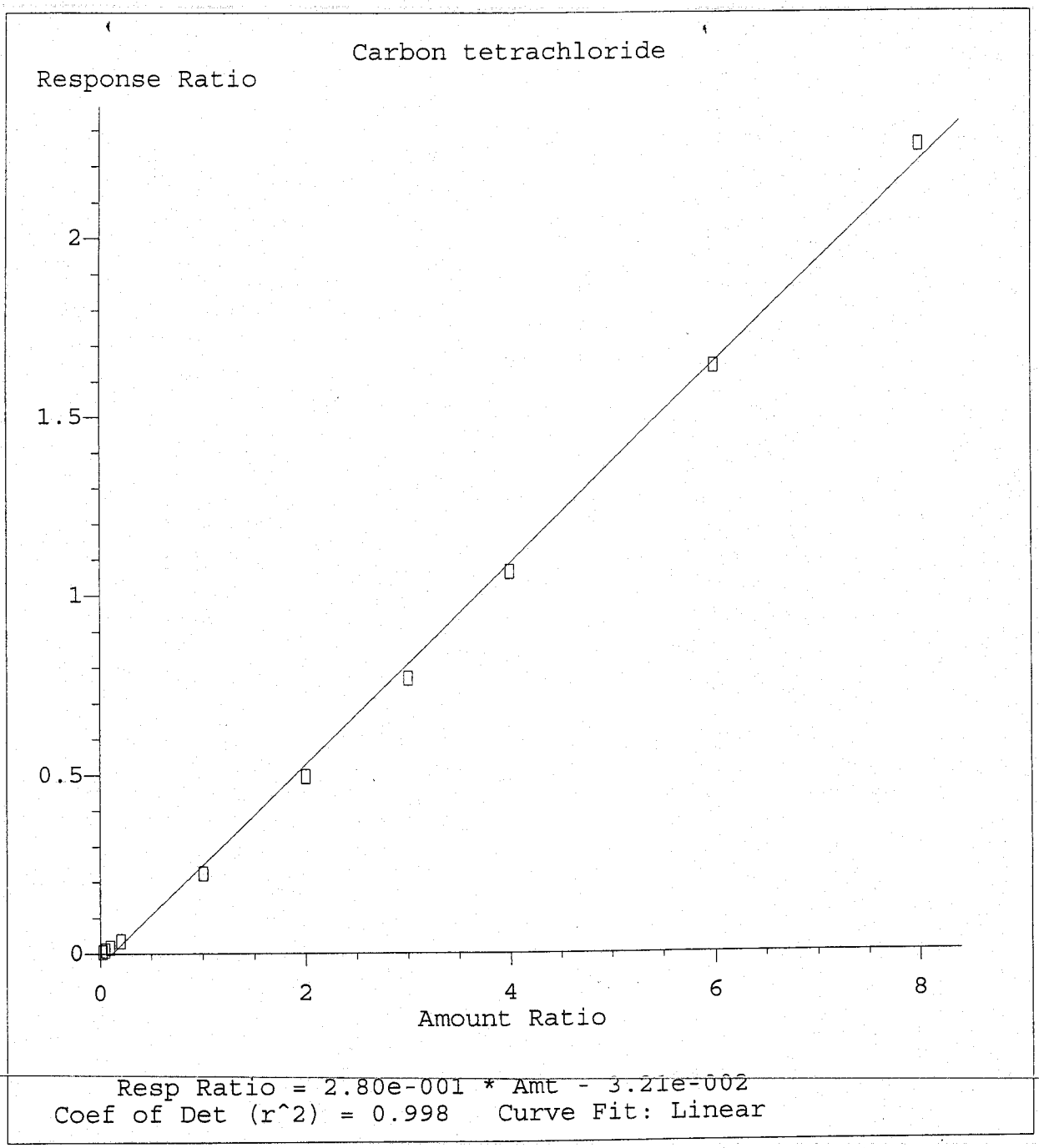
(#) = Out of Range ### Number of calibration levels exceeded fo



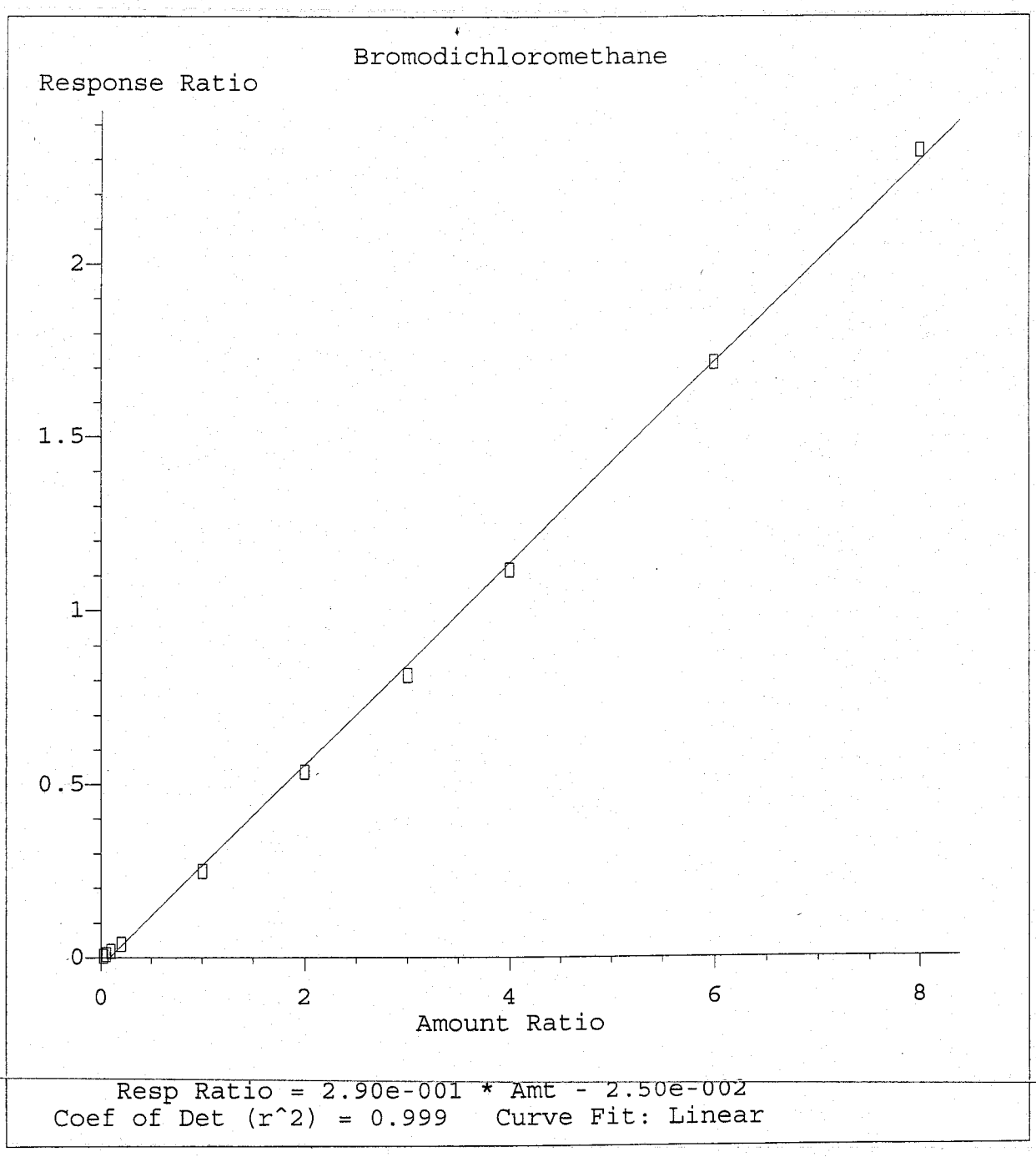
Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



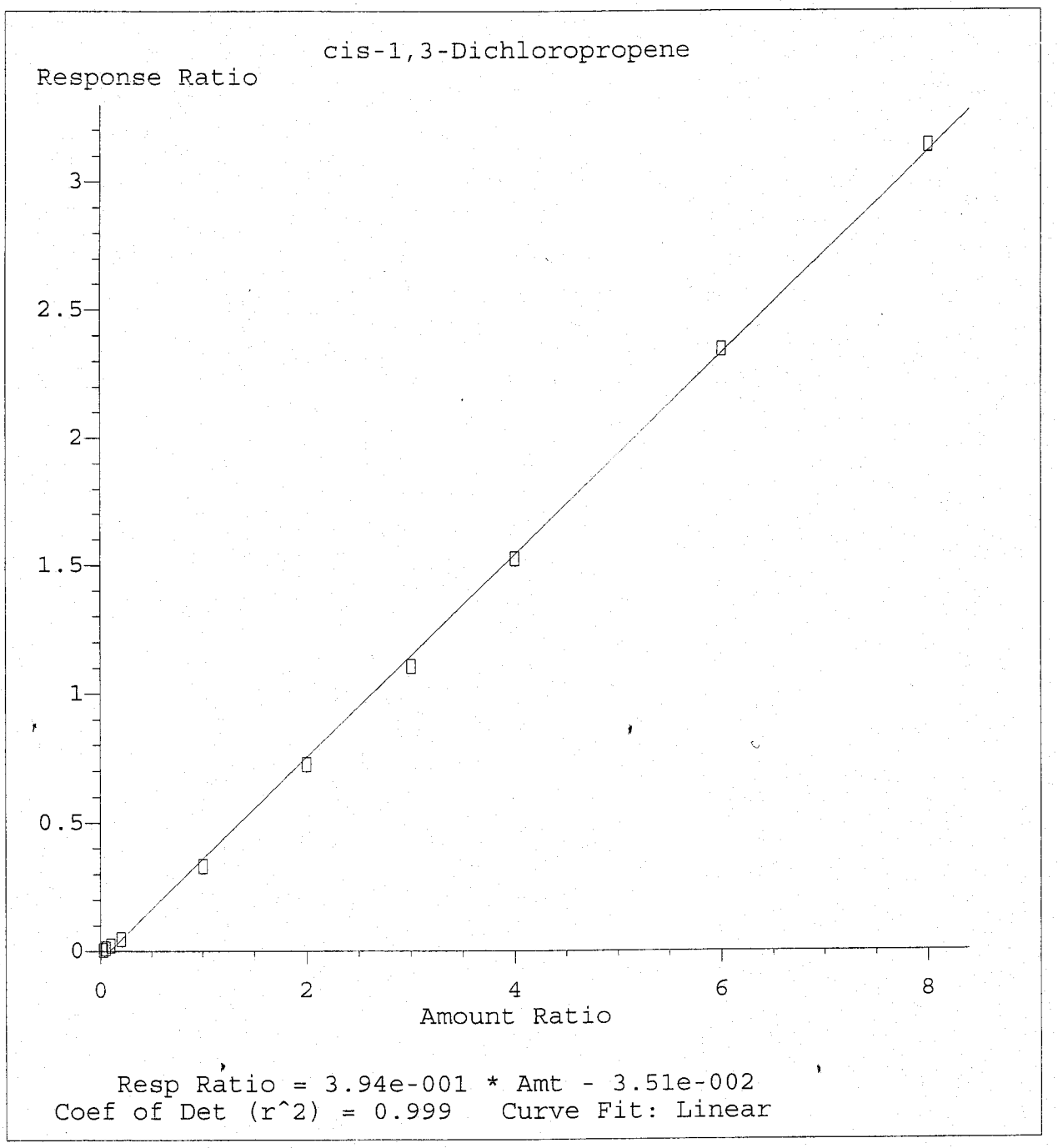
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Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



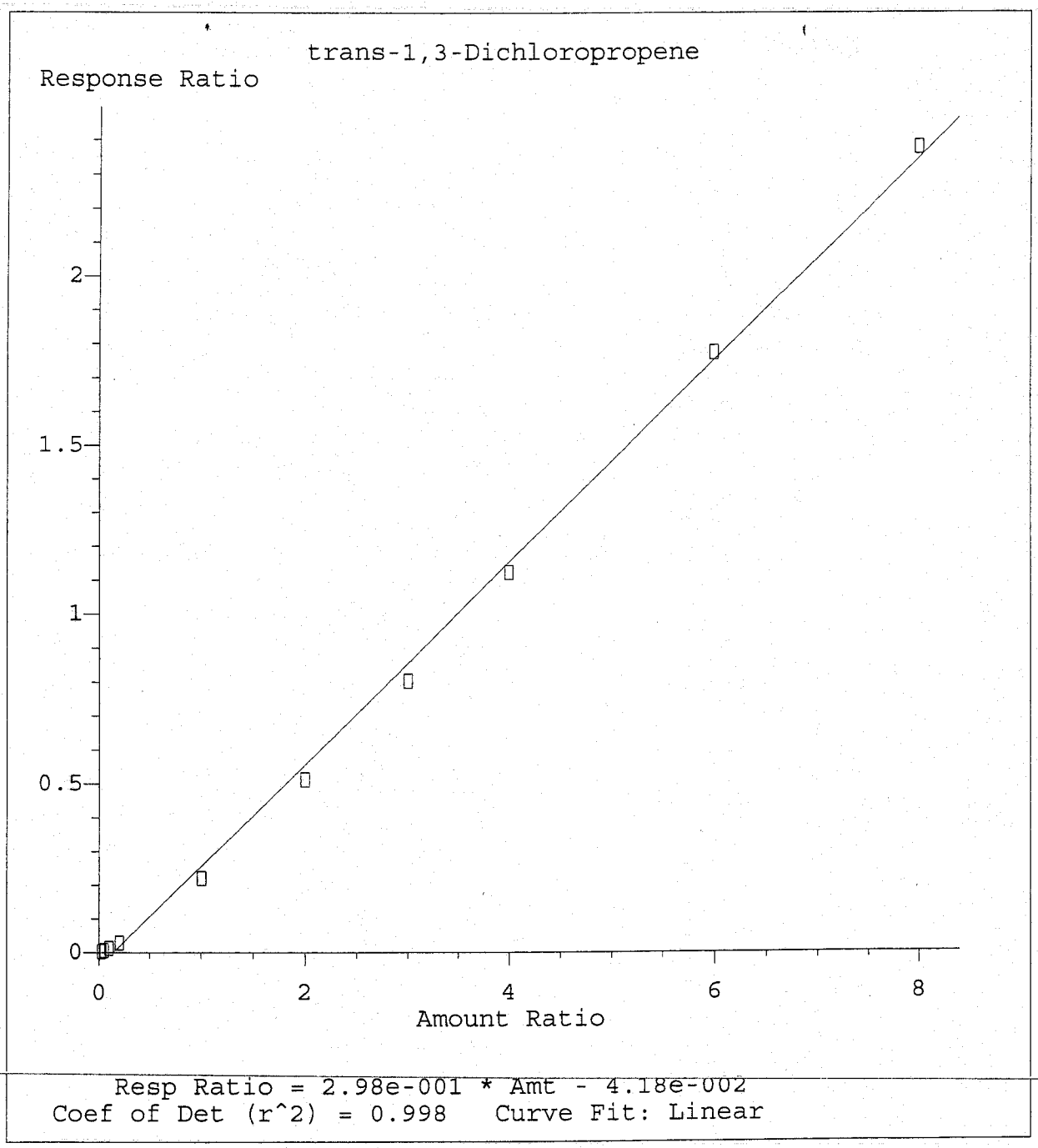
Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



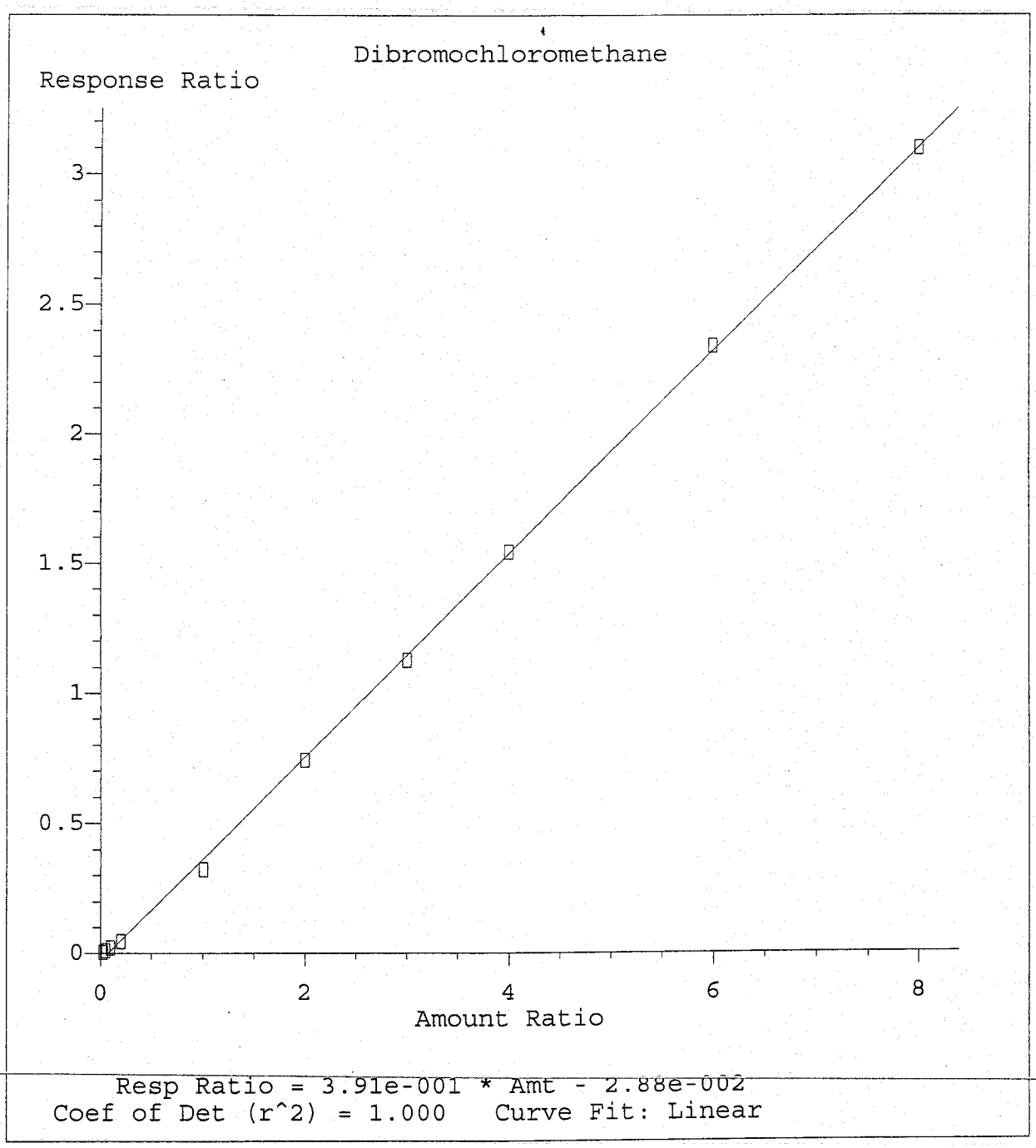
Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



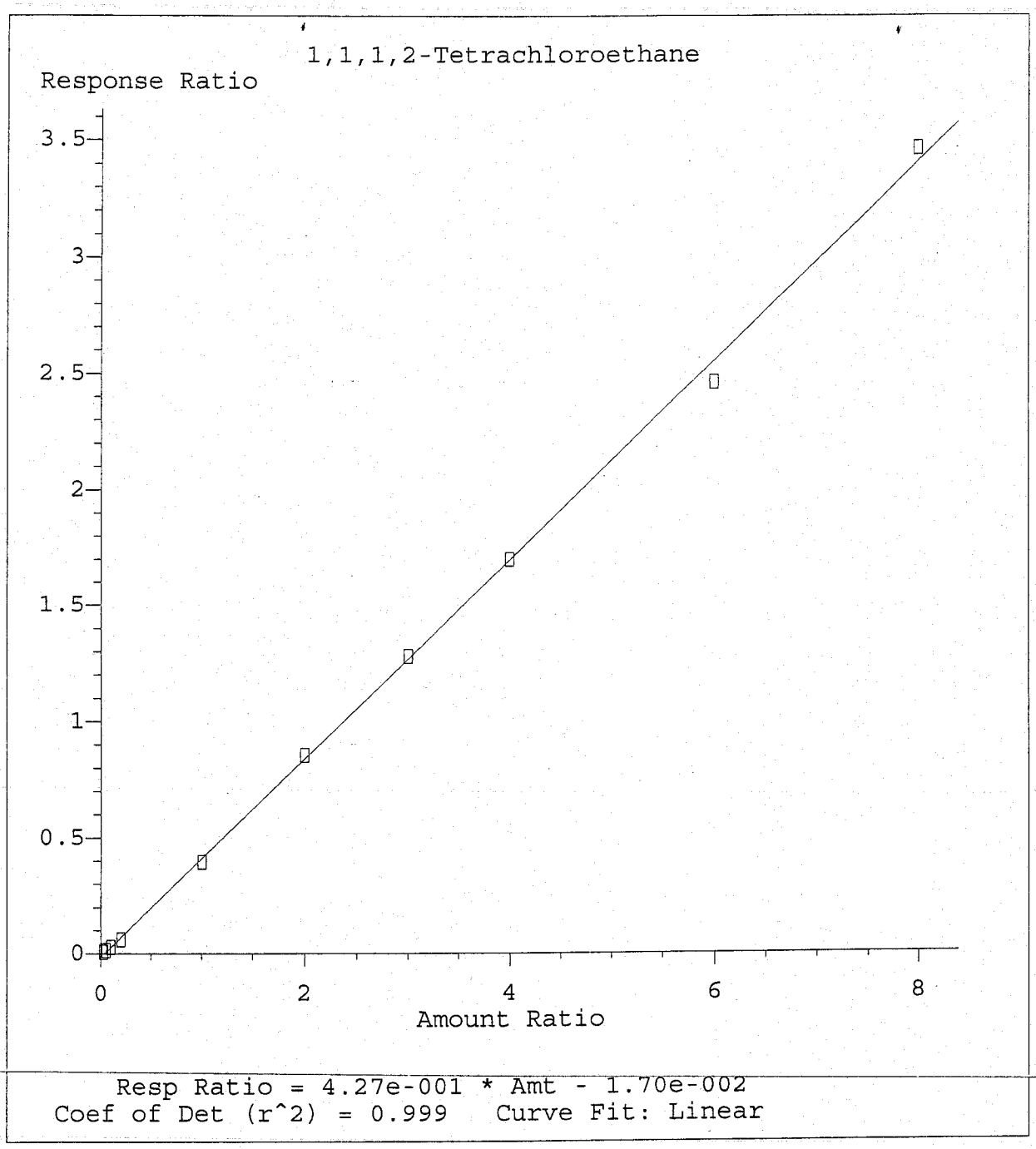
Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



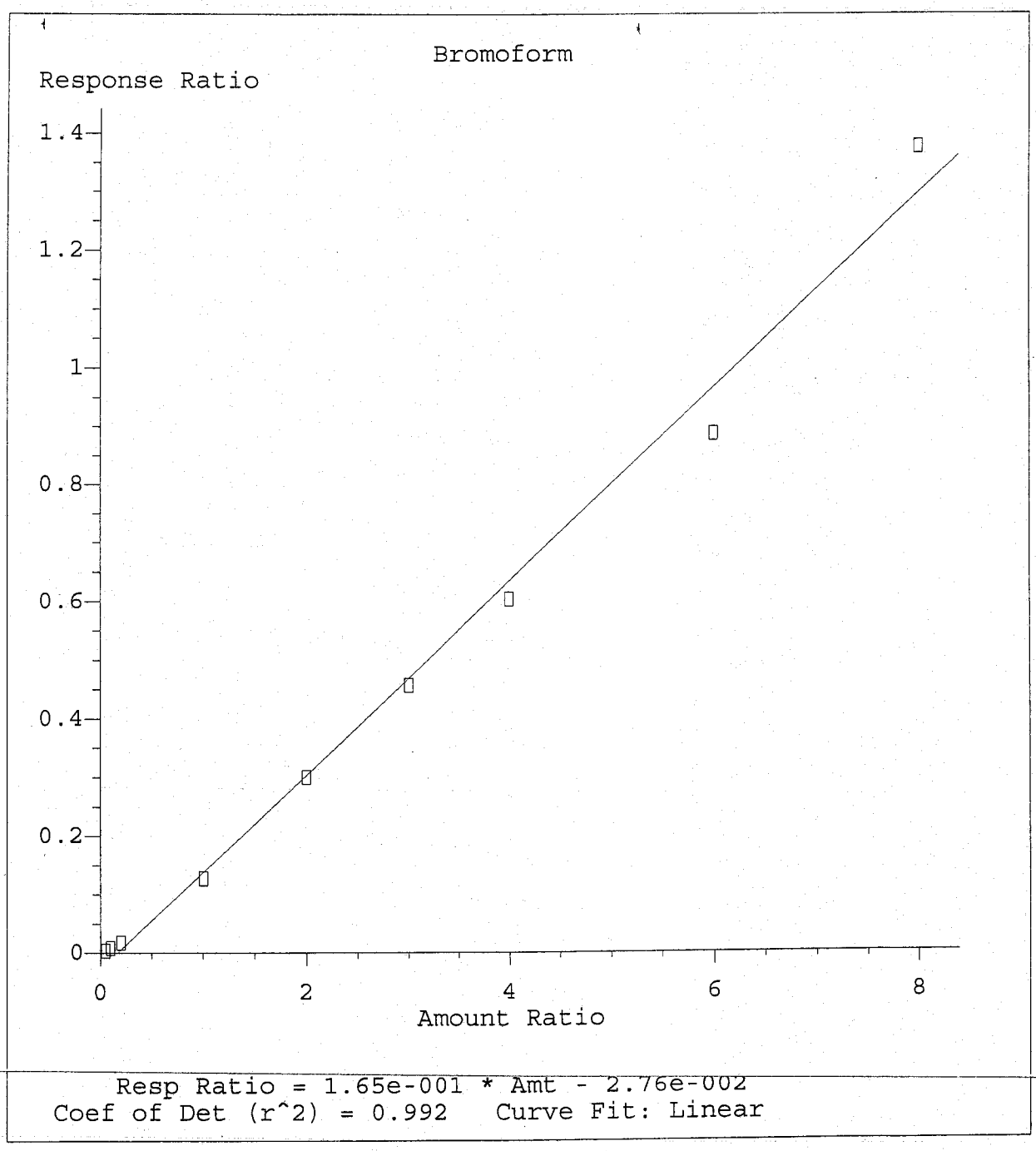
Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



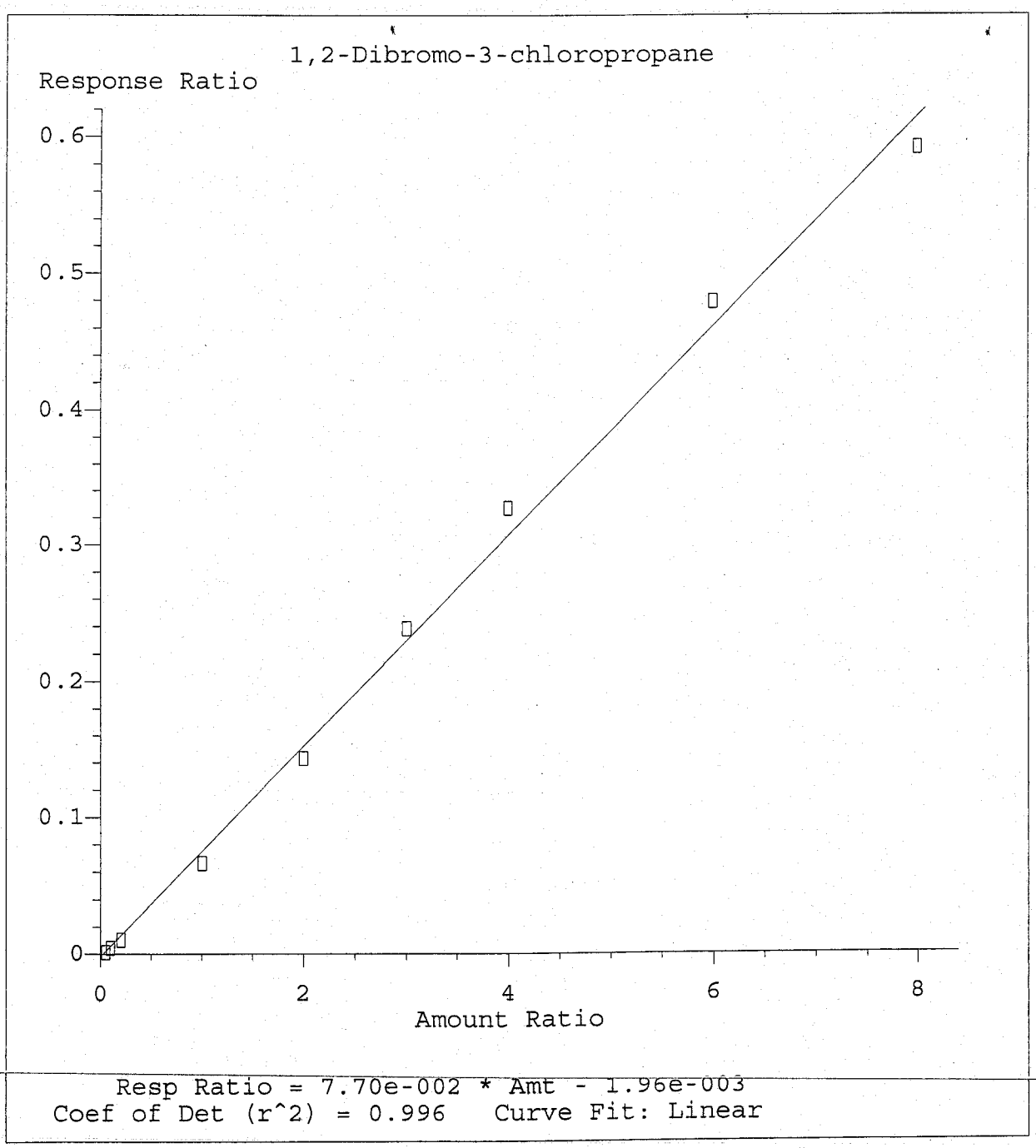
Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013



Method Name: C:\HPCHEM\1\METHODS\T214VOCW.M
Calibration Table Last Updated: Sat Feb 16 08:47:59 2013

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R25424
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MS01_11	**Initial Calibration ID:**	1863
Second Source ID:	2SRC-25425	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	16.3	-18.6	
1,1,1,2-Tetrachloroethane	10	8.95	-10.5	
1,1,1-Trichloroethane	10	10.9	8.9	
1,1,2,2-Tetrachloroethane	10	11.6	16.1	
1,1,2-Trichloroethane	10	10	0	
1,1-Dichloroethane	10	11.1	11.2	
1,1-Dichloroethene	10	9.62	-3.8	
1,1-Dichloropropene	10	10.3	2.8	
1,2,3-Trichlorobenzene	10	9.58	-4.2	
1,2,3-Trichloropropane	10	10.6	5.7	
1,2,4-Trichlorobenzene	10	9.39	-6.1	
1,2,4-Trimethylbenzene	10	11.4	14.5	
1,2-Dibromo-3-chloropropane	10	11.7	17.3	
1,2-Dibromoethane	10	9.62	-3.8	
1,2-Dichlorobenzene	10	10	0.3	
1,2-Dichloroethane	10	11.1	10.6	
1,2-Dichloropropane	10	10.6	6.1	
1,3,5-Trimethylbenzene	10	11.3	12.7	
1,3-Dichlorobenzene	10	9.95	-0.5	
1,3-Dichloropropane	10	10.2	2.4	
1,4-Dichlorobenzene	10	9.66	-3.4	
1-Chlorohexane	10	9.67	-3.3	
2,2-Dichloropropane	10	10.3	2.8	
2-Butanone	20	18.9	-5.6	
2-Chlorotoluene	10	11.3	12.9	
4-Chlorotoluene	10	11.4	14.1	
4-Methyl-2-pentanone	20	20	-0.2	
Acetone	20	20.9	4.4	
Benzene	10	10.2	1.7	
Bromobenzene	10	9.57	-4.3	
Bromochloromethane	10	9.16	-8.4	
Bromodichloromethane	10	10.7	6.9	
Bromoform	10	9.26	-7.4	
Bromomethane	10	9.46	-5.4	
Carbon tetrachloride	10	10.6	5.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R25424
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MS01_11	**Initial Calibration ID:**	1863
Second Source ID:	2SRC-25425	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	8.46	-15.4	
Chloroethane	10	10.6	6.3	
Chloroform	10	10.6	6.2	
Chloromethane	10	10.7	6.7	
cis-1,2-Dichloroethene	10	9.88	-1.2	
cis-1,3-Dichloropropene	10	11.2	12.0	
Dibromochloromethane	10	9.53	-4.7	
Dibromomethane	10	9.81	-1.9	
Dichlorodifluoromethane	10	11	10.1	
Ethylbenzene	10	9.17	-8.3	
Hexachlorobutadiene	10	9.63	-3.7	
Isopropylbenzene	10	12.7	26.7	*
Methyl tert-butyl ether	10	9.67	-3.3	
Methylene chloride	10	10.5	4.9	
n-Butylbenzene	10	12	20.5	
n-Propylbenzene	10	12.4	24.5	
Naphthalene	10	10.2	1.6	
o-Xylene	10	8.79	-12.1	
p-Isopropyltoluene	10	10.9	9.3	
sec-Butylbenzene	10	11.1	11.2	
Styrene	10	8.83	-11.7	
tert-Butylbenzene	10	10.9	9.2	
Tetrachloroethene	10	7.91	-20.9	
Toluene	10	9.22	-7.8	
trans-1,2-Dichloroethene	10	9.68	-3.2	
trans-1,3-Dichloropropene	10	9.49	-5.1	
Trichloroethene	10	9.6	-4.0	
Trichlorofluoromethane	10	10.5	4.6	
Vinyl chloride	10	10.7	6.6	
Xylenes (total)	30	25.1	-16.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: 5973 MS1 (11)

Initial Calibration ID: 1863

ICV ID: 2SRC-25425

CCV #1 ID: CCV-25425

CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Data File : C:\HPCHEM\1\DATA\T5758.D
Acq On : 14 Mar 2013 7:08
Sample : CCV-25425
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : #1MS11
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T214AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Fri Mar 08 14:57:02 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	134	0.00
2		Dichlorodifluoromethane	0.378	0.370	-2.1	127	0.00
3	P	Chloromethane	0.413	0.416	0.7	130	0.00
4	CP	Vinyl chloride	0.347	0.351	1.2	130	0.00
5		Bromomethane	0.137	0.116	-15.3	119	0.00
6		Chloroethane	0.145	0.150	3.4	136	0.00
7		Trichlorofluoromethane	0.325	0.310	-4.6	123	0.00
8	CPM	1,1-Dichloroethene	0.239	0.231	-3.3	128	0.00
9		Methylene chloride	0.307	0.287	-6.5	137	0.00
10		Acetone	0.035	0.040	14.3	150	0.00
11		trans-1,2-Dichloroethene	0.258	0.245	-5.0	125	0.00
12		Methyl tert-Butyl ether	0.486	0.485	-0.2	133	0.00
13	P	1,1-Dichloroethane	0.500	0.555	11.0	144	0.00
14		cis-1,2-Dichloroethene	0.272	0.268	-1.5	129	0.00
15		2,2-Dichloropropane	0.279	0.303	8.6	150	0.00
16		Bromochloromethane	0.097	0.090	-7.2	122	0.00
17	CP	Chloroform	0.441	0.471	6.8	140	0.00
18		Carbon tetrachloride	0.223	0.256	14.8	154	0.00
19		1,1,1-Trichloroethane	0.320	0.353	10.3	141	0.00
20		2-Butanone	0.062	0.073	17.7	154	0.00
21		1,1-Dichloropropene	0.388	0.397	2.3	133	0.00
22	M	Benzene	1.147	1.191	3.8	132	0.00
23	S	1,2-Dichloroethane-d4	0.235	0.253	7.7	144	0.00
24		1,2-Dichloroethane	0.265	0.298	12.5	145	0.00
25	M	Trichloroethene	0.256	0.247	-3.5	129	0.00
26		Dibromomethane	0.103	0.105	1.9	135	0.00
27	CP	1,2-Dichloropropane	0.294	0.321	9.2	140	0.00
28		Bromodichloromethane	0.237	0.286	20.7#	156	0.00
29		cis-1,3-Dichloropropene	0.308	0.352	14.3	143	0.00
30	CPM	Toluene	0.622	0.583	-6.3	119	0.00
31		4-Methyl-2-pentanone	0.137	0.159	16.1	145	0.00
32		trans-1,3-Dichloropropene	0.215	0.247	14.9	150	0.00
33		1,1,2-Trichloroethane	0.142	0.149	4.9	135	0.00
34	I	Chlorobenzene-d5	1.000	1.000	0.0	137	0.00
35	S	Toluene-d8	2.261	2.100	-7.1	123	0.00
36		Tetrachloroethene	0.541	0.431	-20.3#	107	0.00
37		Dibromochloromethane	0.304	0.351	15.5	149	0.00
38		1,3-Dichloropropane	0.836	0.880	5.3	137	0.00
39		1,2-Dibromoethane	0.334	0.337	0.9	127	0.00
40		1-Chlorohexane	0.838	0.812	-3.1	125	0.00

(#) = Out of Range

3/14/13

Data File : C:\HPCHEM\1\DATA\T5758.D
Acq On : 14 Mar 2013 7:08
Sample : CCV-25425
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : #1MS11
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T214AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Fri Mar 08 14:57:02 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	1.521	1.274	-16.2	110	0.00
42	CP	Ethylbenzene	2.921	2.718	-6.9	119	0.00
43		1,1,1,2-Tetrachloroethane	0.359	0.359	0.0	125	0.00
44		(m+p)-Xylene	1.052	0.873	-17.0	105	0.00
45		o-Xylene	1.041	0.938	-9.9	116	0.00
46		Styrene	1.544	1.409	-8.7	112	0.00
47	P	Bromoform	0.126	0.128	1.6	138	0.00
48	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
49		Isopropylbenzene	3.966	4.600	16.0	119	0.00
50	S	Bromofluorobenzene	0.798	0.764	-4.3	107	0.00
51		Bromobenzene	0.814	0.817	0.4	105	0.00
52		n-Propylbenzene	5.161	6.346	23.0#	124	0.00
53	P	1,1,2,2-Tetrachloroethane	0.632	0.786	24.4#	131	0.00
54		1,3,5-Trimethylbenzene	3.406	3.836	12.6	116	0.00
55		2-Chlorotoluene	3.496	3.975	13.7	119	0.00
56		1,2,3-Trichloropropane	0.155	0.180	16.1	115	0.00
57		4-Chlorotoluene	3.019	3.507	16.2	121	0.00
58		tert-Butylbenzene	2.970	3.243	9.2	113	0.00
59		1,2,4-Trimethylbenzene	3.166	3.417	7.9	112	0.00
60		sec-Butylbenzene	4.454	5.033	13.0	115	0.00
61		p-Isopropyltoluene	3.331	3.571	7.2	111	0.00
62		1,3-Dichlorobenzene	1.592	1.618	1.6	110	0.00
63		1,4-Dichlorobenzene	1.584	1.525	-3.7	107	0.00
64		n-Butylbenzene	3.149	3.692	17.2	121	0.00
65		1,2-Dichlorobenzene	1.412	1.458	3.3	112	0.00
66		1,2-Dibromo-3-chloropropane	0.063	0.091	44.4#	153	0.00
67		Hexachlorobutadiene	0.380	0.375	-1.3	112	0.00
68		1,2,4-Trichlorobenzene	0.743	0.717	-3.5	111	0.00
69		Naphthalene	1.368	1.454	6.3	116	0.00
70		1,2,3-Trichlorobenzene	0.617	0.616	-0.2	112	0.00

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

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\T5758.D
Acq On : 14 Mar 2013 7:08
Sample : CCV-15425
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : #1MS11
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T214AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Fri Mar 08 14:57:02 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	134	0.00
2		Dichlorodifluoromethane	10.000	9.790	-2.1	127	0.00
3	P	Chloromethane	10.000	10.061	0.6	130	0.00
4	CP	Vinyl chloride	10.000	10.121	1.2	130	0.00
5		Bromomethane	10.000	8.445	-15.5	119	0.00
6		Chloroethane	10.000	10.320	3.2	136	0.00
7		Trichlorofluoromethane	10.000	9.510	-4.9	123	0.00
8	CPM	1,1-Dichloroethene	10.000	9.658	-3.4	128	0.00
9		Methylene chloride	10.000	10.234	2.3	137	0.00
10		Acetone	20.000	22.975	14.9	150	0.00
11		trans-1,2-Dichloroethene	10.000	9.492	-5.1	125	0.00
12		Methyl tert-Butyl ether	10.000	9.974	-0.3	133	0.00
13	P	1,1-Dichloroethane	10.000	11.088	10.9	144	0.00
14		cis-1,2-Dichloroethene	10.000	9.851	-1.5	129	0.00
15		2,2-Dichloropropane	10.000	10.112	1.1	150	0.00
16		Bromochloromethane	10.000	9.315	-6.9	122	0.00
17	CP	Chloroform	10.000	10.688	6.9	140	0.00
18		Carbon tetrachloride	10.000	10.303	3.0	154	0.00
19		1,1,1-Trichloroethane	10.000	11.019	10.2	141	0.00
20		2-Butanone	20.000	22.368	11.8	154	0.00
21		1,1-Dichloropropene	10.000	10.239	2.4	133	0.00
22	M	Benzene	10.000	10.387	3.9	132	0.00
23	S	1,2-Dichloroethane-d4	10.000	10.724	7.2	144	0.00
24		1,2-Dichloroethane	10.000	11.210	12.1	145	0.00
25	M	Trichloroethene	10.000	9.659	-3.4	129	0.00
26		Dibromomethane	10.000	10.181	1.8	135	0.00
27	CP	1,2-Dichloropropane	10.000	10.894	8.9	140	0.00
28		Bromodichloromethane	10.000	10.732	7.3	156	0.00
29		cis-1,3-Dichloropropene	10.000	11.439	14.4	143	0.00
30	CPM	Toluene	10.000	9.363	-6.4	119	0.00
31		4-Methyl-2-pentanone	20.000	23.154	15.8	145	0.00
32		trans-1,3-Dichloropropene	10.000	9.672	-3.3	150	0.00
33		1,1,2-Trichloroethane	10.000	10.499	5.0	135	0.00
34	I	Chlorobenzene-d5	10.000	10.000	0.0	137	0.00
35	S	Toluene-d8	10.000	9.288	-7.1	123	0.00
36		Tetrachloroethene	10.000	7.971	-20.3#	107	0.00
37		Dibromochloromethane	10.000	9.725	-2.8	149	0.00
38		1,3-Dichloropropane	10.000	10.525	5.3	137	0.00
39		1,2-Dibromoethane	10.000	10.107	1.1	127	0.00
40		1-Chlorohexane	10.000	9.691	-3.1	125	0.00

(#) = Out of Range

3/14/13

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\T5758.D Vial: 4
Acq On : 14 Mar 2013 7:08 Operator: MSV
Sample : CCV-25425 Inst : #1MS11
Misc : CCV ,8260WAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\T214AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Fri Mar 08 14:57:02 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	10.000	8.376	-16.2	110	0.00
42	CP	Ethylbenzene	10.000	9.305	-7.0	119	0.00
43		1,1,1,2-Tetrachloroethane	10.000	8.809	-11.9	125	0.00
44		(m+p)-Xylene	20.000	16.591	-17.0	105	0.00
45		o-Xylene	10.000	9.011	-9.9	116	0.00
46		Styrene	10.000	9.128	-8.7	112	0.00
47	P	Bromoform	10.000	9.430	-5.7	138	0.00
48	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	111	0.00
49		Isopropylbenzene	10.000	11.598	16.0	119	0.00
50	S	Bromofluorobenzene	10.000	9.581	-4.2	107	0.00
51		Bromobenzene	10.000	10.037	0.4	105	0.00
52		n-Propylbenzene	10.000	12.296	23.0#	124	0.00
53	P	1,1,2,2-Tetrachloroethane	10.000	12.445	24.5#	131	0.00
54		1,3,5-Trimethylbenzene	10.000	11.261	12.6	116	0.00
55		2-Chlorotoluene	10.000	11.369	13.7	119	0.00
56		1,2,3-Trichloropropane	10.000	11.633	16.3	115	0.00
57		4-Chlorotoluene	10.000	11.616	16.2	121	0.00
58		tert-Butylbenzene	10.000	10.918	9.2	113	0.00
59		1,2,4-Trimethylbenzene	10.000	10.794	7.9	112	0.00
60		sec-Butylbenzene	10.000	11.300	13.0	115	0.00
61		p-Isopropyltoluene	10.000	10.720	7.2	111	0.00
62		1,3-Dichlorobenzene	10.000	10.164	1.6	110	0.00
63		1,4-Dichlorobenzene	10.000	9.628	-3.7	107	0.00
64		n-Butylbenzene	10.000	11.722	17.2	121	0.00
65		1,2-Dichlorobenzene	10.000	10.322	3.2	112	0.00
66		1,2-Dibromo-3-chloropropane	10.000	12.058	20.6#	153	0.00
67		Hexachlorobutadiene	10.000	9.848	-1.5	112	0.00
68		1,2,4-Trichlorobenzene	10.000	9.660	-3.4	111	0.00
69		Naphthalene	10.000	10.632	6.3	116	0.00
70		1,2,3-Trichlorobenzene	10.000	9.986	-0.1	112	0.00

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

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25425
Initial Calibration ID:	1863	**File ID:**	T5763.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25425
Initial Calibration ID:	1863	**File ID:**	T5763.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.270	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	98	76 - 119	
Toluene-d8	100	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25425
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25425
Initial Calibration ID:	1863	**File ID:**	T5763.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	395822	176534 - 706136	
Chlorobenzene-d5	771270	283296 - 1133186	
Fluorobenzene	2075677	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25425 **Initial Calibration ID:** 1863

Concentration Units (mg/L or mg/kg): µg/L **File ID:** T5757.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	16.3	81	76 - 128	
1,1,1,2-Tetrachloroethane	10	8.95	90	81 - 129	
1,1,1-Trichloroethane	10	10.9	109	67 - 132	
1,1,2,2-Tetrachloroethane	10	11.6	116	63 - 128	
1,1,2-Trichloroethane	10	10.0	100	75 - 125	
1,1-Dichloroethane	10	11.1	111	69 - 133	
1,1-Dichloroethene	10	9.62	96	68 - 130	
1,1-Dichloropropene	10	10.3	103	73 - 132	
1,2,3-Trichlorobenzene	10	9.58	96	67 - 137	
1,2,3-Trichloropropane	10	10.6	106	73 - 124	
1,2,4-Trichlorobenzene	10	9.39	94	66 - 134	
1,2,4-Trimethylbenzene	10	11.4	114	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.7	117	50 - 132	
1,2-Dibromoethane	10	9.62	96	80 - 121	
1,2-Dichlorobenzene	10	10.0	100	71 - 122	
1,2-Dichloroethane	10	11.1	111	69 - 132	
1,2-Dichloropropane	10	10.6	106	75 - 125	
1,3,5-Trimethylbenzene	10	11.3	113	74 - 131	
1,3-Dichlorobenzene	10	9.95	100	75 - 124	
1,3-Dichloropropane	10	10.2	102	73 - 126	
1,4-Dichlorobenzene	10	9.66	97	74 - 123	
1-Chlorohexane	10	9.67	97	70 - 125	
2,2-Dichloropropane	10	10.3	103	69 - 137	
2-Butanone	20	18.9	94	49 - 136	
2-Chlorotoluene	10	11.3	113	73 - 126	
4-Chlorotoluene	10	11.4	114	74 - 128	
4-Methyl-2-pentanone	20	20.0	100	58 - 134	
Acetone	20	20.9	104	40 - 135	
Benzene	10	10.2	102	81 - 122	
Bromobenzene	10	9.57	96	76 - 124	
Bromochloromethane	10	9.16	92	65 - 129	
Bromodichloromethane	10	10.7	107	76 - 121	
Bromoform	10	9.26	93	69 - 128	
Bromomethane	10	9.46	95	30 - 141	
Carbon tetrachloride	10	10.6	106	66 - 138	
Chlorobenzene	10	8.46	85	81 - 122	
Chloroethane	10	10.6	106	58 - 133	
Chloroform	10	10.6	106	69 - 128	
Chloromethane	10	10.7	107	56 - 131	
cis-1,2-Dichloroethene	10	9.88	99	72 - 126	
cis-1,3-Dichloropropene	10	11.2	112	69 - 131	
Dibromochloromethane	10	9.53	95	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25425 **Initial Calibration ID:** 1863

Concentration Units (mg/L or mg/kg): µg/L **File ID:** T5757.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.81	98	76 - 125	
Dichlorodifluoromethane	10	11.0	110	30 - 153	
Ethylbenzene	10	9.17	92	73 - 127	
Hexachlorobutadiene	10	9.63	96	67 - 131	
Isopropylbenzene	10	12.7	127	75 - 127	
Methyl tert-butyl ether	10	9.67	97	65 - 123	
Methylene chloride	10	10.5	105	63 - 137	
n-Butylbenzene	10	12.0	120	69 - 137	
n-Propylbenzene	10	12.4	125	72 - 129	
Naphthalene	10	10.2	102	54 - 138	
o-Xylene	10	8.79	88	80 - 121	
p-Isopropyltoluene	10	10.9	109	73 - 130	
sec-Butylbenzene	10	11.1	111	72 - 127	
Styrene	10	8.83	88	65 - 134	
tert-Butylbenzene	10	10.9	109	70 - 129	
Tetrachloroethene	10	7.91	79	66 - 128	
Toluene	10	9.22	92	77 - 122	
trans-1,2-Dichloroethene	10	9.68	97	63 - 137	
trans-1,3-Dichloropropene	10	9.49	95	59 - 135	
Trichloroethene	10	9.60	96	70 - 127	
Trichlorofluoromethane	10	10.5	105	57 - 129	
Vinyl chloride	10	10.7	107	50 - 134	
Xylenes (total)	30	25.1	84	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	98	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	384414	176534 - 706136	
Chlorobenzene-d5	770262	283296 - 1133186	
Fluorobenzene	1998071	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25425 **Initial Calibration ID:** 1863

Concentration Units (mg/L or mg/kg): µg/L **File ID:** T5759.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	16.7	83	76 - 128	
1,1,1,2-Tetrachloroethane	10	8.90	89	81 - 129	
1,1,1-Trichloroethane	10	10.4	104	67 - 132	
1,1,2,2-Tetrachloroethane	10	12.2	122	63 - 128	
1,1,2-Trichloroethane	10	10.2	102	75 - 125	
1,1-Dichloroethane	10	11.0	110	69 - 133	
1,1-Dichloroethene	10	9.50	95	68 - 130	
1,1-Dichloropropene	10	10.1	101	73 - 132	
1,2,3-Trichlorobenzene	10	9.76	98	67 - 137	
1,2,3-Trichloropropane	10	11.1	111	73 - 124	
1,2,4-Trichlorobenzene	10	9.46	95	66 - 134	
1,2,4-Trimethylbenzene	10	11.7	117	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.9	119	50 - 132	
1,2-Dibromoethane	10	9.69	97	80 - 121	
1,2-Dichlorobenzene	10	10.3	103	71 - 122	
1,2-Dichloroethane	10	10.8	108	69 - 132	
1,2-Dichloropropane	10	10.5	105	75 - 125	
1,3,5-Trimethylbenzene	10	11.5	115	74 - 131	
1,3-Dichlorobenzene	10	10.1	101	75 - 124	
1,3-Dichloropropane	10	10.3	103	73 - 126	
1,4-Dichlorobenzene	10	9.79	98	74 - 123	
1-Chlorohexane	10	9.52	95	70 - 125	
2,2-Dichloropropane	10	9.63	96	69 - 137	
2-Butanone	20	19.0	95	49 - 136	
2-Chlorotoluene	10	11.6	116	73 - 126	
4-Chlorotoluene	10	11.7	117	74 - 128	
4-Methyl-2-pentanone	20	20.1	101	58 - 134	
Acetone	20	20.6	103	40 - 135	
Benzene	10	10.1	101	81 - 122	
Bromobenzene	10	9.85	98	76 - 124	
Bromochloromethane	10	9.00	90	65 - 129	
Bromodichloromethane	10	10.2	103	76 - 121	
Bromoform	10	9.01	90	69 - 128	
Bromomethane	10	9.17	92	30 - 141	
Carbon tetrachloride	10	10.1	101	66 - 138	
Chlorobenzene	10	8.62	86	81 - 122	
Chloroethane	10	10.3	103	58 - 133	
Chloroform	10	10.3	103	69 - 128	
Chloromethane	10	10.7	107	56 - 131	
cis-1,2-Dichloroethene	10	9.77	98	72 - 126	
cis-1,3-Dichloropropene	10	10.9	109	69 - 131	
Dibromochloromethane	10	9.29	93	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25425 **Initial Calibration ID:** 1863

Concentration Units (mg/L or mg/kg): µg/L **File ID:** T5759.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.89	99	76 - 125	
Dichlorodifluoromethane	10	10.7	107	30 - 153	
Ethylbenzene	10	9.30	93	73 - 127	
Hexachlorobutadiene	10	9.14	91	67 - 131	
Isopropylbenzene	10	13.0	130	75 - 127	*
Methyl tert-butyl ether	10	9.52	95	65 - 123	
Methylene chloride	10	10.4	104	63 - 137	
n-Butylbenzene	10	12.0	120	69 - 137	
n-Propylbenzene	10	12.7	127	72 - 129	
Naphthalene	10	10.3	103	54 - 138	
o-Xylene	10	8.95	90	80 - 121	
p-Isopropyltoluene	10	11.1	111	73 - 130	
sec-Butylbenzene	10	11.3	113	72 - 127	
Styrene	10	8.84	88	65 - 134	
tert-Butylbenzene	10	11.1	111	70 - 129	
Tetrachloroethene	10	7.94	79	66 - 128	
Toluene	10	9.33	93	77 - 122	
trans-1,2-Dichloroethene	10	9.58	96	63 - 137	
trans-1,3-Dichloropropene	10	9.22	92	59 - 135	
Trichloroethene	10	9.47	95	70 - 127	
Trichlorofluoromethane	10	9.77	98	57 - 129	
Vinyl chloride	10	10.4	104	50 - 134	
Xylenes (total)	30	25.6	85	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	100	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	365934	176534 - 706136	
Chlorobenzene-d5	747524	283296 - 1133186	
Fluorobenzene	1956033	750293 - 3001172	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: 775M2880OA **MS ID:** K1303138-008AMS **MSD ID:** K1303138-008AMSD

Calibration ID: 1863

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	16.9	84	16.9	84	0	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	8.98	90	8.97	90	0	81 - 129	20	
1,1,1-Trichloroethane	0.140	10.0	10.6	104	10.5	103	1	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	12.1	121	12.0	120	0	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.5	105	10.4	104	0	75 - 125	20	
1,1-Dichloroethane		10.0	10.8	108	10.7	107	0	69 - 133	20	
1,1-Dichloroethene		10.0	9.55	96	9.52	95	0	68 - 130	20	
1,1-Dichloropropene		10.0	9.99	100	9.96	100	0	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	10.0	100	10.0	100	0	67 - 137	20	
1,2,3-Trichloropropane		10.0	11.4	114	11.2	112	2	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	9.53	95	9.57	96	0	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	11.2	112	11.3	113	1	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	11.4	114	10.9	109	4	50 - 132	20	
1,2-Dibromoethane		10.0	10.1	101	10.1	101	0	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.2	102	10.2	102	0	71 - 122	20	
1,2-Dichloroethane		10.0	11.0	110	10.8	108	2	69 - 132	20	
1,2-Dichloropropane		10.0	10.6	106	10.5	105	1	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	11.1	111	11.1	111	0	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.88	99	10.0	100	1	75 - 124	20	
1,3-Dichloropropane		10.0	10.5	105	10.5	105	0	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.61	96	9.76	98	2	74 - 123	20	
1-Chlorohexane		10.0	9.73	97	9.66	97	1	70 - 125	20	
2,2-Dichloropropane		10.0	9.04	90	8.68	87	4	69 - 137	20	
2-Butanone		20.0	19.9	100	19.8	99	1	49 - 136	20	
2-Chlorotoluene		10.0	11.2	112	11.2	112	0	73 - 126	20	
4-Chlorotoluene		10.0	11.2	112	11.3	113	1	74 - 128	20	
4-Methyl-2-pentanone		20.0	21.4	107	20.7	104	3	58 - 134	20	
Acetone	8.00	20.0	30.4	112	29.1	106	4	40 - 135	20	
Benzene		10.0	10.1	101	10.1	101	0	81 - 122	20	
Bromobenzene		10.0	9.49	95	9.72	97	2	76 - 124	20	
Bromochloromethane		10.0	9.20	92	9.14	91	1	65 - 129	20	
Bromodichloromethane		10.0	10.2	102	10.1	101	1	76 - 121	20	
Bromoform		10.0	9.22	92	9.04	90	2	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: 775M2880OA **MS ID:** K1303138-008AMS **MSD ID:** K1303138-008AMSD

Calibration ID: 1863

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	8.50	85	8.44	84	1	30 - 141	20	
Carbon tetrachloride		10.0	9.78	98	9.71	97	1	66 - 138	20	
Chlorobenzene		10.0	8.64	86	8.80	88	2	81 - 122	20	
Chloroethane		10.0	10.0	100	9.82	98	2	58 - 133	20	
Chloroform		10.0	10.3	103	10.2	103	0	69 - 128	20	
Chloromethane		10.0	10.4	104	10.3	103	1	56 - 131	20	
cis-1,2-Dichloroethene		10.0	9.80	98	9.78	98	0	72 - 126	20	
cis-1,3-Dichloropropene		10.0	10.4	104	10.3	103	1	69 - 131	20	
Dibromochloromethane		10.0	9.36	94	9.25	92	1	66 - 133	20	
Dibromomethane		10.0	10.0	100	9.97	100	1	76 - 125	20	
Dichlorodifluoromethane		10.0	10.8	108	10.6	106	2	30 - 153	20	
Ethylbenzene		10.0	9.34	93	9.35	94	0	73 - 127	20	
Hexachlorobutadiene		10.0	9.73	97	9.60	96	1	67 - 131	20	
Isopropylbenzene		10.0	12.4	124	12.4	124	0	75 - 127	20	
Methyl tert-butyl ether		10.0	9.82	98	9.72	97	1	65 - 123	20	
Methylene chloride		10.0	9.67	97	9.63	96	0	63 - 137	20	
n-Butylbenzene		10.0	11.8	118	11.6	116	2	69 - 137	20	
n-Propylbenzene		10.0	12.2	122	12.2	122	0	72 - 129	20	
Naphthalene		10.0	10.8	108	10.9	109	1	54 - 138	20	
o-Xylene		10.0	9.01	90	8.99	90	0	80 - 121	20	
p-Isopropyltoluene		10.0	10.8	108	10.8	108	0	73 - 130	20	
sec-Butylbenzene		10.0	11.0	110	10.9	109	0	72 - 127	20	
Styrene		10.0	9.06	91	9.06	91	0	65 - 134	20	
tert-Butylbenzene		10.0	10.8	108	10.8	108	0	70 - 129	20	
Tetrachloroethene		10.0	7.94	79	8.04	80	1	66 - 128	20	
Toluene		10.0	9.32	93	9.37	94	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	9.56	96	9.50	95	1	63 - 137	20	
trans-1,3-Dichloropropene		10.0	9.17	92	8.91	89	3	59 - 135	20	
Trichloroethene	7.39	10.0	17.0	96	17.2	98	2	70 - 127	20	
Trichlorofluoromethane		10.0	9.69	97	9.51	95	2	57 - 129	20	
Vinyl chloride		10.0	10.6	106	10.3	103	3	50 - 134	20	
Xylenes (total)		30.0	25.9	86	25.9	86	0	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25425 **MS ID:** LCS-25425 **MSD ID:** LCSD-25425

Calibration ID: 1863

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	16.3	81	16.7	83	2	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	8.95	90	8.90	89	1	81 - 129	20	
1,1,1-Trichloroethane		10.0	10.9	109	10.4	104	5	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	11.6	116	12.2	122	5	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.0	100	10.2	102	2	75 - 125	20	
1,1-Dichloroethane		10.0	11.1	111	11.0	110	2	69 - 133	20	
1,1-Dichloroethene		10.0	9.62	96	9.50	95	1	68 - 130	20	
1,1-Dichloropropene		10.0	10.3	103	10.1	101	2	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	9.58	96	9.76	98	2	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.6	106	11.1	111	5	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	9.39	94	9.46	95	1	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	11.4	114	11.7	117	2	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	11.7	117	11.9	119	1	50 - 132	20	
1,2-Dibromoethane		10.0	9.62	96	9.69	97	1	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.0	100	10.3	103	3	71 - 122	20	
1,2-Dichloroethane		10.0	11.1	111	10.8	108	2	69 - 132	20	
1,2-Dichloropropane		10.0	10.6	106	10.5	105	1	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	11.3	113	11.5	115	2	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.95	100	10.1	101	1	75 - 124	20	
1,3-Dichloropropane		10.0	10.2	102	10.3	103	1	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.66	97	9.79	98	1	74 - 123	20	
1-Chlorohexane		10.0	9.67	97	9.52	95	2	70 - 125	20	
2,2-Dichloropropane		10.0	10.3	103	9.63	96	7	69 - 137	20	
2-Butanone		20.0	18.9	94	19.0	95	0	49 - 136	20	
2-Chlorotoluene		10.0	11.3	113	11.6	116	3	73 - 126	20	
4-Chlorotoluene		10.0	11.4	114	11.7	117	2	74 - 128	20	
4-Methyl-2-pentanone		20.0	20.0	100	20.1	101	1	58 - 134	20	
Acetone		20.0	20.9	104	20.6	103	1	40 - 135	20	
Benzene		10.0	10.2	102	10.1	101	1	81 - 122	20	
Bromobenzene		10.0	9.57	96	9.85	98	3	76 - 124	20	
Bromochloromethane		10.0	9.16	92	9.00	90	2	65 - 129	20	
Bromodichloromethane		10.0	10.7	107	10.2	103	4	76 - 121	20	
Bromoform		10.0	9.26	93	9.01	90	3	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25425 **MS ID:** LCS-25425 **MSD ID:** LCSD-25425

Calibration ID: 1863

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	9.46	95	9.17	92	3	30 - 141	20	
Carbon tetrachloride		10.0	10.6	106	10.1	101	5	66 - 138	20	
Chlorobenzene		10.0	8.46	85	8.62	86	2	81 - 122	20	
Chloroethane		10.0	10.6	106	10.3	103	3	58 - 133	20	
Chloroform		10.0	10.6	106	10.3	103	3	69 - 128	20	
Chloromethane		10.0	10.7	107	10.7	107	0	56 - 131	20	
cis-1,2-Dichloroethene		10.0	9.88	99	9.77	98	1	72 - 126	20	
cis-1,3-Dichloropropene		10.0	11.2	112	10.9	109	3	69 - 131	20	
Dibromochloromethane		10.0	9.53	95	9.29	93	3	66 - 133	20	
Dibromomethane		10.0	9.81	98	9.89	99	1	76 - 125	20	
Dichlorodifluoromethane		10.0	11.0	110	10.7	107	2	30 - 153	20	
Ethylbenzene		10.0	9.17	92	9.30	93	1	73 - 127	20	
Hexachlorobutadiene		10.0	9.63	96	9.14	91	5	67 - 131	20	
Isopropylbenzene		10.0	12.7	127	13.0	130	2	75 - 127	20	
Methyl tert-butyl ether		10.0	9.67	97	9.52	95	2	65 - 123	20	
Methylene chloride		10.0	10.5	105	10.4	104	1	63 - 137	20	
n-Butylbenzene		10.0	12.0	120	12.0	120	1	69 - 137	20	
n-Propylbenzene		10.0	12.4	125	12.7	127	2	72 - 129	20	
Naphthalene		10.0	10.2	102	10.3	103	1	54 - 138	20	
o-Xylene		10.0	8.79	88	8.95	90	2	80 - 121	20	
p-Isopropyltoluene		10.0	10.9	109	11.1	111	1	73 - 130	20	
sec-Butylbenzene		10.0	11.1	111	11.3	113	2	72 - 127	20	
Styrene		10.0	8.83	88	8.84	88	0	65 - 134	20	
tert-Butylbenzene		10.0	10.9	109	11.1	111	2	70 - 129	20	
Tetrachloroethene		10.0	7.91	79	7.94	79	0	66 - 128	20	
Toluene		10.0	9.22	92	9.33	93	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	9.68	97	9.58	96	1	63 - 137	20	
trans-1,3-Dichloropropene		10.0	9.49	95	9.22	92	3	59 - 135	20	
Trichloroethene		10.0	9.60	96	9.47	95	1	70 - 127	20	
Trichlorofluoromethane		10.0	10.5	105	9.77	98	7	57 - 129	20	
Vinyl chloride		10.0	10.7	107	10.4	104	2	50 - 134	20	
Xylenes (total)		30.0	25.1	84	25.6	85	2	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R25425

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
775VM0570OA	K1303138-001A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.8	
775M0673OA	K1303138-002A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.9	
775VM0873OA	K1303138-003A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.9	
775VM1095OA	K1303138-004A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.9	
775VM19R67OA	K1303138-005A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.9	
775M20115OA	K1303138-006A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	3.1	
775M2771OA	K1303138-007A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	3.1	
775M2880OA	K1303138-008A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.9	
775M2880OA	K1303138-008AMS	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.8	
775M2880OA	K1303138-008AMSD	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.9	
775M2880OC	K1303138-009A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	3.1	
775E0175OA	K1303138-010A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	3.2	
775EF0101OA	K1303138-011A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	3.2	
031113OE	K1303138-012A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	3.3	
031113OF	K1303138-013A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	3.3	
031113OR	K1303138-014A	11-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	3.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MS01_11 **Calibration ID:** 1863

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB130214A1	TB130214A1	14-Feb-13	8:19	14-Feb-13	9:22
MDLV/ICAL 0.2	MDLV/ICAL 0.25 ppb	14-Feb-13	9:22	14-Feb-13	9:54
MDLV/ICAL 0.5	MDLV/ICAL 0.50 ppb	14-Feb-13	9:54	14-Feb-13	10:25
MDLV/ICAL 1.0	MDLV/ICAL 1.0 ppb	14-Feb-13	10:25	14-Feb-13	10:56
MDLV/ICAL 2.0	MDLV/ICAL 2.0 ppb	14-Feb-13	10:56	14-Feb-13	11:28
ICAL 10 ppb	ICAL 10 ppb	14-Feb-13	11:28	14-Feb-13	12:31
ICAL 20 ppb	ICAL 20 ppb	14-Feb-13	12:31	14-Feb-13	13:02
ICAL 30 ppb	ICAL 30 ppb	14-Feb-13	13:02	14-Feb-13	13:34
ICAL 40 ppb	ICAL 40 ppb	14-Feb-13	13:34	14-Feb-13	15:11
ICAL 60 ppb	ICAL 60 ppb	14-Feb-13	15:11	14-Feb-13	16:14
ICAL 80 ppb	ICAL 80 ppb	14-Feb-13	16:14	14-Mar-13	6:37
TB130314A1	TB130314A1	14-Mar-13	6:37	14-Mar-13	7:08
LCS-25425	LCS-25425	14-Mar-13	6:37	14-Mar-13	7:08
2SRC-25425	2SRC-25425	14-Mar-13	6:37	14-Mar-13	6:37
CCV-25425	CCV-25425	14-Mar-13	7:08	14-Mar-13	7:40
LCSD-25425	LCSD-25425	14-Mar-13	7:40	14-Mar-13	8:11
775M2880OA	K1303138-008AMS	14-Mar-13	8:11	14-Mar-13	8:43
775M2880OA	K1303138-008AMSD	14-Mar-13	8:43	14-Mar-13	9:46
MB-25425	MB-25425	14-Mar-13	9:46	14-Mar-13	10:17
775M2880OA	K1303138-008A	14-Mar-13	10:17	14-Mar-13	10:48
775VM0570OA	K1303138-001A	14-Mar-13	10:48	14-Mar-13	11:20
775M0673OA	K1303138-002A	14-Mar-13	11:20	14-Mar-13	11:51
775VM0873OA	K1303138-003A	14-Mar-13	11:51	14-Mar-13	12:23
775VM1095OA	K1303138-004A	14-Mar-13	12:23	14-Mar-13	12:54
775VM19R67OA	K1303138-005A	14-Mar-13	12:54	14-Mar-13	13:26
775M20115OA	K1303138-006A	14-Mar-13	13:26	14-Mar-13	13:57
775M2771OA	K1303138-007A	14-Mar-13	13:57	14-Mar-13	15:00
775M2880OC	K1303138-009A	14-Mar-13	15:00	14-Mar-13	15:32
775E0175OA	K1303138-010A	14-Mar-13	15:32	14-Mar-13	16:03
775EF0101OA	K1303138-011A	14-Mar-13	16:03	14-Mar-13	16:34
031113OE	K1303138-012A	14-Mar-13	16:34	14-Mar-13	17:06
031113OF	K1303138-013A	14-Mar-13	17:06	14-Mar-13	17:37
031113OR	K1303138-014A	14-Mar-13	17:37	14-Mar-13	17:37

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS01_11_130214A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS01_11	**Injection Date/Time:**	2/14/2013 8:19:00 AM
Initial Calibration ID:	1863	**File ID:**	C:\HPCHEM\1\DATA\T5507.D
Compound:	SW8260B	**Sample ID:**	TB130214A1

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	20.9	
75	30 - 60% of m/z 95	51.4	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.9	
173	Less than 2% of m/z 174	0.2	
174	Greater than 50% of m/z 95	62.8	
175	5 - 9% of m/z 174	7.4	
176	Greater than 95% but less than 101% of m/z 174	97.2	
177	5 - 9% of m/z 176	6.5	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MS01_11_130314B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MS01_11	**Injection Date/Time:**	3/14/2013 6:37:00 AM
Initial Calibration ID:	1863	**File ID:**	C:\HPCHEM\1\DATA\T5757.D
Compound:	SW8260B	**Sample ID:**	TB130314A1

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	23.7	
75	30 - 60% of m/z 95	54.6	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0.7	
174	Greater than 50% of m/z 95	54.6	
175	5 - 9% of m/z 174	7.3	
176	Greater than 95% but less than 101% of m/z 174	95.5	
177	5 - 9% of m/z 176	6.8	

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

April 3, 2013

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - APRON 2 PERFORMANCE
RE: Analytical Results
Order No.: K1303139, K1303151

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received samples on 3/13/2013 and 3/14/2013 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM for the Griffiss AFB-Apron 2 Performance Sampling project at Rome, NY.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The coolers were received intact. When the laboratory received the coolers, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt of the samples. The temperatures of the well-iced coolers were 2.0 and 1.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1
Anions	SW9056	1
Dissolved Organic Carbon	SM5310B	2
Alkalinity	SM2320	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996. (including the QC requirements specified in AFCEE 4.0 + variances).

2) Standard Methods for the Examination of Water and Wastewater, 18th,19th, and 20th Edition, 1992.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – Apron 2 Performance
Work Order #:	K1303139 and K1303151
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 3/24/13

Supervisor/Reviewed by (Initials/Date): 3/24/13

QA/QC Review (Initials/Date): 4/2/13

File Name: U:\Narratives\MSVoa\K1303139msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25407	MSK	Hexachlorobutadiene	23.3		1
CCV-25423	MSK	4-Methyl-2-pentanone	20.7		1
		Hexachlorobutadiene	24.8		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Client:	FPM
Project/Order:	Griffiss AFB – Apron 2 Performance
Work Order #:	K1303139 and K1303151
Methodology:	8260B

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Apron 2 Performance
Work Order #:	K1303139, K1303151
Methodology:	Anions - Ion Chromatography - SW9056 DOC - SM 5310 B

Analyzed/Reviewed by (Date/Initials): 3-31-13 mt

Supervisor/Reviewed by (Date/Initials): 3-31-13 mt

QA/QC Review (Date/Initials): 4/1/13 dlk

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

Sample Duplicate
All sample duplicate RPD data met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
All spike recovery and RPD data met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Apron 2 Performance
Work Order #:	K1303139; K1303151
Methodology:	Alkalinity, as CaCO3 – SM 2320 B

Analyzed/Reviewed by (Date/Initials): 3/25/13

Supervisor/Reviewed by (Date/Initials): 3/25/13

QA/QC Review (Date/Initials): 4/1/13

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

Life Science Laboratories, Inc.

Date: *03-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Apron 2 Performance
Lab Order: K1303139

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303139-001A	782VM8146LA	WL-782VMW-81	3/12/2013	3/13/2013
K1303139-001B	782VM8146LA	WL-782VMW-81	3/12/2013	3/13/2013
K1303139-001C	782VM8146LA	WL-782VMW-81	3/12/2013	3/13/2013
K1303139-001D	782VM8146LA	WL-782VMW-81	3/12/2013	3/13/2013
K1303139-002A	782VM10025LA	WL-782VMW-100	3/12/2013	3/13/2013
K1303139-002B	782VM10025LA	WL-782VMW-100	3/12/2013	3/13/2013
K1303139-002C	782VM10025LA	WL-782VMW-100	3/12/2013	3/13/2013
K1303139-002D	782VM10025LA	WL-782VMW-100	3/12/2013	3/13/2013
K1303139-003A	782VM10118LA	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-003B	782VM10118LA	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-003C	782VM10118LA	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-003D	782VM10118LA	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-004A	782VM10118LC	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-004B	782VM10118LC	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-004C	782VM10118LC	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-004D	782VM10118LC	WL-782VMW-101	3/12/2013	3/13/2013
K1303139-005A	782VM105B36LA	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-005B	782VM105B36LA	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-005C	782VM105B36LA	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-005D	782VM105B36LA	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-006A	782VM105B36LC	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-006B	782VM105B36LC	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-006C	782VM105B36LC	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-006D	782VM105B36LC	WL-782VMW-105B	3/12/2013	3/13/2013
K1303139-007A	782VM12116LA	WL-782VMW-121	3/12/2013	3/13/2013
K1303139-007B	782VM12116LA	WL-782VMW-121	3/12/2013	3/13/2013
K1303139-007C	782VM12116LA	WL-782VMW-121	3/12/2013	3/13/2013
K1303139-007D	782VM12116LA	WL-782VMW-121	3/12/2013	3/13/2013
K1303139-008A	782VM121D26LA	WL-782VMW-121D	3/12/2013	3/13/2013
K1303139-008B	782VM121D26LA	WL-782VMW-121D	3/12/2013	3/13/2013
K1303139-008C	782VM121D26LA	WL-782VMW-121D	3/12/2013	3/13/2013
K1303139-008D	782VM121D26LA	WL-782VMW-121D	3/12/2013	3/13/2013
K1303139-009A	782SW11501LA	782SW-115	3/12/2013	3/13/2013
K1303139-010A	782SW11801LA	782SW-118	3/12/2013	3/13/2013
K1303139-011A	782SW11901LA	782SW-119	3/12/2013	3/13/2013
K1303139-012A	031213LE	FIELDQC	3/12/2013	3/13/2013
K1303139-012B	031213LE	FIELDQC	3/12/2013	3/13/2013
K1303139-012C	031213LE	FIELDQC	3/12/2013	3/13/2013

CLIENT:	FPM Group
Project:	Griffiss AFB - Apron 2 Performance
Lab Order:	K1303139

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303139-012D	031213LE	FIELDQC	3/12/2013	3/13/2013
K1303139-013A	031213LF	FIELDQC	3/12/2013	3/13/2013
K1303139-014A	031213LR	FIELDQC	3/12/2013	3/13/2013

Life Science Laboratories, Inc.

Date: *03-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Apron 2 Performance
Lab Order: K1303151

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303151-001A	782VM7638LA	WL-782VMW-76	3/13/2013	3/14/2013
K1303151-001B	782VM7638LA	WL-782VMW-76	3/13/2013	3/14/2013
K1303151-001C	782VM7638LA	WL-782VMW-76	3/13/2013	3/14/2013
K1303151-001D	782VM7638LA	WL-782VMW-76	3/13/2013	3/14/2013
K1303151-002A	782VM7840LA	WL-782VMW-78	3/13/2013	3/14/2013
K1303151-002B	782VM7840LA	WL-782VMW-78	3/13/2013	3/14/2013
K1303151-002C	782VM7840LA	WL-782VMW-78	3/13/2013	3/14/2013
K1303151-002D	782VM7840LA	WL-782VMW-78	3/13/2013	3/14/2013
K1303151-003A	782VM8440LA	WL-782VMW-84	3/13/2013	3/14/2013
K1303151-003B	782VM8440LA	WL-782VMW-84	3/13/2013	3/14/2013
K1303151-003C	782VM8440LA	WL-782VMW-84	3/13/2013	3/14/2013
K1303151-003D	782VM8440LA	WL-782VMW-84	3/13/2013	3/14/2013
K1303151-004A	782VM9637LA	WL-782VMW-96	3/13/2013	3/14/2013
K1303151-004B	782VM9637LA	WL-782VMW-96	3/13/2013	3/14/2013
K1303151-004C	782VM9637LA	WL-782VMW-96	3/13/2013	3/14/2013
K1303151-004D	782VM9637LA	WL-782VMW-96	3/13/2013	3/14/2013
K1303151-005A	782M1027LA	WL-782MW-10	3/13/2013	3/14/2013
K1303151-005B	782M1027LA	WL-782MW-10	3/13/2013	3/14/2013
K1303151-005C	782M1027LA	WL-782MW-10	3/13/2013	3/14/2013
K1303151-005D	782M1027LA	WL-782MW-10	3/13/2013	3/14/2013
K1303151-006A	031313LE	FIELDQC	3/13/2013	3/14/2013
K1303151-006B	031313LE	FIELDQC	3/13/2013	3/14/2013
K1303151-006C	031313LE	FIELDQC	3/13/2013	3/14/2013
K1303151-006D	031313LE	FIELDQC	3/13/2013	3/14/2013
K1303151-007A	031313LF	FIELDQC	3/13/2013	3/14/2013
K1303151-008A	031313LR	FIELDQC	3/13/2013	3/14/2013

Life Science Laboratories, Inc.

Lab Order: K1303139
Client: FPM Group
Project: Griffiss AFB - Apron 2 Performan

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303139-001A	782VM8146LA	3/12/2013 2:54:00 PM	Groundwater	Alkalinity, as CaCO3			3/15/2013
K1303139-001B				Inorganic anions by IC			3/13/2013
K1303139-001C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-001D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-002A	782VM10025LA	3/12/2013 11:45:00 AM		Alkalinity, as CaCO3			3/15/2013
K1303139-002B				Inorganic anions by IC			3/13/2013
K1303139-002C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-002D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-003A	782VM10118LA	3/12/2013 4:45:00 PM		Alkalinity, as CaCO3			3/15/2013
K1303139-003B				Inorganic anions by IC			3/28/2013
				Inorganic anions by IC			3/13/2013
K1303139-003C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-003D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-004A	782VM10118LC			Alkalinity, as CaCO3			3/15/2013
K1303139-004B				Inorganic anions by IC			3/13/2013
				Inorganic anions by IC			3/28/2013
K1303139-004C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-004D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-005A	782VM105B36LA	3/12/2013 2:51:00 PM		Alkalinity, as CaCO3			3/15/2013
K1303139-005B				Inorganic anions by IC			3/13/2013
K1303139-005C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-005D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-006A	782VM105B36LC			Alkalinity, as CaCO3			3/15/2013
K1303139-006B				Inorganic anions by IC			3/13/2013
K1303139-006C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-006D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-007A	782VM12116LA	3/12/2013 10:42:00 AM		Alkalinity, as CaCO3			3/15/2013
K1303139-007B				Inorganic anions by IC			3/13/2013

Lab Order: K1303139
Client: FPM Group
Project: Griffiss AFB - Apron 2 Performan

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303139-007B	782VM12116LA	3/12/2013 10:42:00 AM	Groundwater	Inorganic anions by IC			3/28/2013
K1303139-007C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-007D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-008A	782VM121D26LA	3/12/2013 12:10:00 PM		Alkalinity, as CaCO3			3/15/2013
K1303139-008B				Inorganic anions by IC			3/13/2013
				Inorganic anions by IC			3/28/2013
K1303139-008C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-008D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-009A	782SW11501LA	3/12/2013 4:00:00 PM	Surface Water	Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-010A	782SW11801LA	3/12/2013 4:22:00 PM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-011A	782SW11901LA	3/12/2013 4:32:00 PM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-012A	031213LE	3/12/2013 5:00:00 PM	Water Q	Alkalinity, as CaCO3			3/15/2013
K1303139-012B				Inorganic anions by IC			3/13/2013
K1303139-012C				Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-012D				Dissolved organic carbon (DOC)			3/22/2013
K1303139-013A	031213LF	3/12/2013 4:40:00 PM		Volatile Organic Compounds by GC/MS			3/14/2013
K1303139-014A	031213LR	3/12/2013 9:15:00 AM		Volatile Organic Compounds by GC/MS			3/14/2013

Lab Order: K1303151
Client: FPM Group
Project: Griffiss AFB - Apron 2 Performan

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303151-001A	782VM7638LA	3/13/2013 12:15:00 PM	Groundwater	Alkalinity, as CaCO3			3/15/2013
K1303151-001B				Inorganic anions by IC			3/14/2013
K1303151-001C				Volatile Organic Compounds by GC/MS			3/15/2013
K1303151-001D				Dissolved organic carbon (DOC)			3/22/2013
K1303151-002A	782VM7840LA	3/13/2013 3:15:00 PM		Alkalinity, as CaCO3			3/15/2013
K1303151-002B				Inorganic anions by IC			3/14/2013
K1303151-002C				Volatile Organic Compounds by GC/MS			3/15/2013
K1303151-002D				Dissolved organic carbon (DOC)			3/22/2013
K1303151-003A	782VM8440LA	3/13/2013 10:38:00 AM		Alkalinity, as CaCO3			3/15/2013
K1303151-003B				Inorganic anions by IC			3/14/2013
K1303151-003C				Volatile Organic Compounds by GC/MS			3/15/2013
K1303151-003D				Dissolved organic carbon (DOC)			3/22/2013
K1303151-004A	782VM9637LA	3/13/2013 2:32:00 PM		Alkalinity, as CaCO3			3/15/2013
K1303151-004B				Inorganic anions by IC			3/28/2013
				Inorganic anions by IC			3/14/2013
K1303151-004C				Volatile Organic Compounds by GC/MS			3/15/2013
K1303151-004D				Dissolved organic carbon (DOC)			3/22/2013
K1303151-005A	782M1027LA	3/13/2013 11:36:00 AM		Alkalinity, as CaCO3			3/15/2013
K1303151-005B				Inorganic anions by IC			3/14/2013
K1303151-005C				Volatile Organic Compounds by GC/MS			3/15/2013
K1303151-005D				Dissolved organic carbon (DOC)			3/22/2013
K1303151-006A	031313LE	3/13/2013 4:10:00 PM	Water Q	Alkalinity, as CaCO3			3/15/2013
K1303151-006B				Inorganic anions by IC			3/14/2013
K1303151-006C				Volatile Organic Compounds by GC/MS			3/15/2013
K1303151-006D				Dissolved organic carbon (DOC)			3/22/2013
K1303151-007A	031313LF	3/13/2013 2:40:00 PM		Volatile Organic Compounds by GC/MS			3/15/2013
K1303151-008A	031313LR	3/13/2013 9:20:00 AM		Volatile Organic Compounds by GC/MS			3/15/2013

Laboratory Report

External Chain of Custody

K1303139

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _286/7_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	TOC note 5 40 ml vials(HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
001	782VM8146LA	WL-782VMW-81	3/12	1454	WG	BP	N	0/0	6	3	1	1	-	1	
002	782VM10025LA	WL-782VMW-100	3/12	1145	WG	BP	N	0/0	6	3	1	1	-	1	
003	782VM10118LA	WL-782VMW-101	3/12	1645	WG	BP	N	0/0	6	3	1	1	-	1	
004	782VM10118LC	WL-782VMW-101	3/12	1645	WG	BP	FD	0/0	6	3	1	1	-	1	
005	782VM105B36LA	WL-782VMW-105B	3/12	1451	WG	BP	N	0/0	6	3	1	1	-	1	
006	782VM105B36LC	WL-782VMW-105B	3/12	1451	WG	BP	FD	0/0	6	3	1	1	-	1	
007	782VM105B36LS	WL-782VMW-105B	3/12	1451	WG	BP	MS	0/0	6	3	1	1	-	1	
008	782VM105B36LD	WL-782VMW-105B	3/12	1451	WG	BP	SD	0/0	6	3	1	1	-	1	
009	782VM12116LA	WL-782VMW-121	3/12	1042	WG	BP	N	0/0	6	3	1	1	-	1	
010	782VM121D26LA	WL-782VMW-121D	3/12	1210	WG	BP	N	0/0	6	3	1	1	-	1	
011	782SW11501LA	782SW-115	3/12	1600	WS	G	N	0/0	3	3					
012	782SW11801LA	782SW-118	3/12	1622	WS	G	N	0/0	3	3					
013	782SW11901LA	782SW-119	3/12	1632	WS	G	N	0/0	3	3					
014	031213LE	FIELDQC	3/12	1700	WQ	BP	EB	0/0	6	3	1	1	-	1	
015	031213LF	FIELDQC	3/12	1640	WQ	NA	AB	0/0	3	3	-	-	-	-	
016	[illegible]LR	FIELDQC	3/12	0915	WQ	NA	TB	0/0	2	2	-	-		-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature: 2.0 °C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Alkalinity: method SM2320B.
Note 5: TOC: method SM5310B

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/13/2013	#3 Released by: (Sig)	Date: 3-13-13
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 9:55	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)	Date: 3-13-13	#3 Received by: (Sig)	Date: 3-13-13
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 10:00	Company Name: LSL	Time: 14:50

2.0 °C on Ice

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **3/13/2013 2:50:00 PM**

Work Order Number: **K1303139**

Received by: gis

Checklist completed by: GS (Initials) 3-13-13 (Date)

Reviewed by: AC (Initials) 3.14-13 (Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

K1303151

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _287_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Apron 2 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	TOC note 5 40 ml vials(HCL)	Alkalinity note 4 8 oz glass (no headspace)	Comments
001	782VM7638LA	WL-782VMW-76	3/13	1215	WG	BP	N	0/0	6	3	1	1	-	1	
002	782VM7840LA	WL-782VMW-78	3/13	1515	WG	BP	N	0/0	6	3	1	1	-	1	
003	782VM8440LA	WL-782VMW-84	3/13	1038	WG	BP	N	0/0	6	3	1	1	-	1	
004	782VM9637LA	WL-782VMW-96	3/13	1432	WG	BP	N	0/0	6	3	1	1	-	1	
005	782M1027LA	WL-782MW-10	3/13	1136	WG	BP	N	0/0	6	3	1	1	-	1	
006	031313LE	FIELDQC	3/13	1610	WQ	BP	EB	0/0	6	3	1	1	-	1	
007	031313LF	FIELDQC	3/13	1440	WQ	NA	AB	0/0	3	3	-	-	-	-	
008	031313LR	FIELDQC	3/13	0920	WQ	NA	TB	0/0	2	2	-	-		-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1.0 °C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Nitrate, Chloride, Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Alkalinity: method SM2320B.
Note 5: TOC: method SM5310B

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/14/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 11:26	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)	Date: 3/14/13	#3 Received by: (Sig)	Date: 3-14-13
Company Name: FPM Group Ltd	Time: 1000	Company Name: CSL	Time: 11:27	Company Name: CSL	Time: 15:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **3/14/2013 3:10:00 PM**

Work Order Number: **K1303151**

Received by: gis

Checklist completed by: GJ (Initials) 3-14-13 (Date) Reviewed by: AC (Initials) 3-15-13 (Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Client/Project FPM K1303139

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
001 → 14	A/C			Stored in fridge 1B	8260	3/13/13 ~~1500~~ 1700 @ 3/14/13
001 → 14	A/C		(W)	3/14/13 0730	8260	NR
001 → 008, 12	B		MT	3/13/13 1500	SW9056	3/13/13 16:30
001 → 008, 12	D		MT	3/22/13 08:30	SM5310B	3/22/13 16:00
003, 004, 007, 008	B		MT	3/28/13 0900	SW9056	3/25/13 16:30

Client/Project FPM K1303139

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1303139-001-008 + 012	A	FPM	JL	3/15/13 0645	ALK	3/15/13 1630

Client/Project FPM / K1303151 Rec'd 3-14-13

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
001 → 8	A/C			Stored in fridge 1B	8260	3/14/13 1600
001 → 8	A/C		MN	3/15/13 0715	8200	NR
001 → 006	B		MT	3/14/13 1530	SW9036	3/14/13 1630
001 → 6	D		MT	3/22/13 0900	5310B	3/22/13 1600
004	B		MT	3/29/13 0900	SW4056	3/29/13 1600

Client/Project FPM / K1303151 Rec'd 3-14-13

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
K1303151-001 -006	A	FPM	JL	3/15/13 0645	ALK	3/15/13 1630

G:\Logbook Forms\Logbooks (old)\GeneralLaboratory\Sign out

Analytical Results

GC/MS Volatile Organics Data

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R25407

Lab Name: Life Science Laboratories, Inc.

Contract Number:

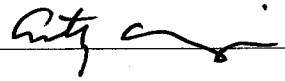
Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
782VM8146LA	K1303139-001C
782VM10025LA	K1303139-002C
782VM10118LA	K1303139-003C
782VM10118LC	K1303139-004C
782VM105B36LA	K1303139-005C
782VM105B36LA	K1303139-005CMS
782VM105B36LA	K1303139-005CMSD
782VM105B36LC	K1303139-006C
782VM12116LA	K1303139-007C
782VM121D26LA	K1303139-008C
782SW11501LA	K1303139-009A
782SW11801LA	K1303139-010A
782SW11901LA	K1303139-011A
031213LE	K1303139-012C
031213LF	K1303139-013A
031213LR	K1303139-014A

Comments:

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

Signature: 

Name: Anthony Crescenzi

Date: 4-3-13

Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM7638LA	K1303151-001C
782VM7840LA	K1303151-002C
782VM8440LA	K1303151-003C
782VM9637LA	K1303151-004C
782M1027LA	K1303151-005C
031313LE	K1303151-006C
031313LF	K1303151-007A
031313LR	K1303151-008A

Comments:

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

Signature: Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146LA	**Lab Sample ID:**	K1303139-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2012.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.170	1		F
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.54	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146LA	**Lab Sample ID:**	K1303139-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2012.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	26.6	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	1.16	1		
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	4.12	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	4.07	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8146LA	**Lab Sample ID:**	K1303139-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2012.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	104	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	322887	141409 - 565636	
Chlorobenzene-d5	679995	272627 - 1090508	
Fluorobenzene	1700941	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2013.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	5.90	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2013.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2013.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	316872	141409 - 565636	
Chlorobenzene-d5	676875	272627 - 1090508	
Fluorobenzene	1680025	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2014.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.85	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2014.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	7.49	1		
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	4.94	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2014.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	298793	141409 - 565636	
Chlorobenzene-d5	627311	272627 - 1090508	
Fluorobenzene	1538369	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2015.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	6.76	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2015.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	7.57	1		
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	5.04	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2015.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	308662	141409 - 565636	
Chlorobenzene-d5	677905	272627 - 1090508	
Fluorobenzene	1652025	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2011.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.12	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2011.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	2.06	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.390	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	23.2	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2011.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	337128	141409 - 565636	
Chlorobenzene-d5	724360	272627 - 1090508	
Fluorobenzene	1801917	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2007.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	18.8	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	9.57	1		
1,1,1-Trichloroethane	0.100	1.00	8.63	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	11.2	1		
1,1,2-Trichloroethane	0.160	1.00	10.6	1		
1,1-Dichloroethane	0.100	1.00	10.2	1		
1,1-Dichloroethene	0.160	1.00	8.96	1		
1,1-Dichloropropene	0.100	1.00	9.29	1		
1,2,3-Trichlorobenzene	0.100	1.00	11.0	1		
1,2,3-Trichloropropane	0.330	2.00	10.8	1		
1,2,4-Trichlorobenzene	0.100	1.00	10.4	1		
1,2,4-Trimethylbenzene	0.100	1.00	9.62	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	11.6	1		
1,2-Dibromoethane	0.160	1.00	10.1	1		
1,2-Dichlorobenzene	0.100	1.00	10.5	1		
1,2-Dichloroethane	0.160	0.500	9.82	1		
1,2-Dichloropropane	0.160	1.00	10.4	1		
1,3,5-Trimethylbenzene	0.100	1.00	9.19	1		
1,3-Dichlorobenzene	0.100	1.00	9.87	1		
1,3-Dichloropropane	0.100	0.500	10.4	1		
1,4-Dichlorobenzene	0.160	0.500	9.89	1		
1-Chlorohexane	0.160	1.00	9.81	1		
2,2-Dichloropropane	0.330	1.00	9.39	1		
2-Butanone	1.00	10.0	22.0	1		
2-Chlorotoluene	0.100	1.00	9.50	1		
4-Chlorotoluene	0.100	1.00	9.52	1		
4-Methyl-2-pentanone	1.00	10.0	23.6	1		
Acetone	1.00	10.0	28.3	1		
Benzene	0.100	0.500	9.67	1		
Bromobenzene	0.100	1.00	9.86	1		
Bromochloromethane	0.100	1.00	10.2	1		
Bromodichloromethane	0.100	0.500	9.60	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2007.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	9.31	1		
Bromomethane	0.330	3.00	10.5	1		
Carbon tetrachloride	0.100	1.00	8.37	1		
Chlorobenzene	0.100	0.500	9.75	1		
Chloroethane	0.330	1.00	10.2	1		
Chloroform	0.100	0.500	9.24	1		
Chloromethane	0.330	1.00	10.8	1		
cis-1,2-Dichloroethene	0.100	1.00	11.8	1		
cis-1,3-Dichloropropene	0.160	0.500	10.1	1		
Dibromochloromethane	0.100	0.500	9.42	1		
Dibromomethane	0.160	1.00	9.86	1		
Dichlorodifluoromethane	0.100	1.00	9.95	1		
Ethylbenzene	0.100	1.00	9.51	1		
Hexachlorobutadiene	0.100	1.00	11.4	1		
Isopropylbenzene	0.100	1.00	10.7	1		
Methyl tert-butyl ether	0.160	5.00	10.4	1		
Methylene chloride	0.160	1.00	9.18	1		
n-Butylbenzene	0.100	1.00	10.2	1		
n-Propylbenzene	0.100	1.00	9.89	1		
Naphthalene	0.100	1.00	10.6	1		
o-Xylene	0.100	1.00	9.45	1		
p-Isopropyltoluene	0.160	1.00	9.63	1		
sec-Butylbenzene	0.160	1.00	9.79	1		
Styrene	0.100	1.00	9.74	1		
tert-Butylbenzene	0.100	1.00	9.52	1		
Tetrachloroethene	0.100	1.00	9.58	1		
Toluene	0.100	1.00	9.82	1		
trans-1,2-Dichloroethene	0.100	1.00	9.17	1		
trans-1,3-Dichloropropene	0.160	1.00	10.6	1		
Trichloroethene	0.100	1.00	34.0	1		
Trichlorofluoromethane	0.100	1.00	9.15	1		
Vinyl chloride	0.330	1.00	11.5	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005CMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2007.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	28.2	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	105	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	434016	141409 - 565636	
Chlorobenzene-d5	795599	272627 - 1090508	
Fluorobenzene	1933950	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2008.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	19.0	1		
1,1,1,2-Tetrachloroethane	0.160	0.500	9.48	1		
1,1,1-Trichloroethane	0.100	1.00	8.56	1		
1,1,2,2-Tetrachloroethane	0.100	0.500	10.4	1		
1,1,2-Trichloroethane	0.160	1.00	9.99	1		
1,1-Dichloroethane	0.100	1.00	9.97	1		
1,1-Dichloroethene	0.160	1.00	8.82	1		
1,1-Dichloropropene	0.100	1.00	9.25	1		
1,2,3-Trichlorobenzene	0.100	1.00	10.7	1		
1,2,3-Trichloropropane	0.330	2.00	10.1	1		
1,2,4-Trichlorobenzene	0.100	1.00	10.4	1		
1,2,4-Trimethylbenzene	0.100	1.00	9.79	1		
1,2-Dibromo-3-chloropropane	1.00	5.00	11.0	1		
1,2-Dibromoethane	0.160	1.00	9.50	1		
1,2-Dichlorobenzene	0.100	1.00	10.3	1		
1,2-Dichloroethane	0.160	0.500	9.19	1		
1,2-Dichloropropane	0.160	1.00	10.2	1		
1,3,5-Trimethylbenzene	0.100	1.00	9.40	1		
1,3-Dichlorobenzene	0.100	1.00	9.91	1		
1,3-Dichloropropane	0.100	0.500	9.96	1		
1,4-Dichlorobenzene	0.160	0.500	9.97	1		
1-Chlorohexane	0.160	1.00	9.80	1		
2,2-Dichloropropane	0.330	1.00	8.98	1		
2-Butanone	1.00	10.0	19.8	1		
2-Chlorotoluene	0.100	1.00	9.61	1		
4-Chlorotoluene	0.100	1.00	9.61	1		
4-Methyl-2-pentanone	1.00	10.0	21.6	1		
Acetone	1.00	10.0	24.6	1		
Benzene	0.100	0.500	9.58	1		
Bromobenzene	0.100	1.00	9.76	1		
Bromochloromethane	0.100	1.00	9.63	1		
Bromodichloromethane	0.100	0.500	9.24	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2008.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	8.67	1		
Bromomethane	0.330	3.00	9.59	1		
Carbon tetrachloride	0.100	1.00	8.23	1		
Chlorobenzene	0.100	0.500	9.66	1		
Chloroethane	0.330	1.00	10.0	1		
Chloroform	0.100	0.500	8.96	1		
Chloromethane	0.330	1.00	10.8	1		
cis-1,2-Dichloroethene	0.100	1.00	11.6	1		
cis-1,3-Dichloropropene	0.160	0.500	9.70	1		
Dibromochloromethane	0.100	0.500	8.93	1		
Dibromomethane	0.160	1.00	9.23	1		
Dichlorodifluoromethane	0.100	1.00	10.1	1		
Ethylbenzene	0.100	1.00	9.56	1		
Hexachlorobutadiene	0.100	1.00	11.7	1		
Isopropylbenzene	0.100	1.00	10.8	1		
Methyl tert-butyl ether	0.160	5.00	9.57	1		
Methylene chloride	0.160	1.00	8.97	1		
n-Butylbenzene	0.100	1.00	10.4	1		
n-Propylbenzene	0.100	1.00	10.0	1		
Naphthalene	0.100	1.00	10.2	1		
o-Xylene	0.100	1.00	9.65	1		
p-Isopropyltoluene	0.160	1.00	9.80	1		
sec-Butylbenzene	0.160	1.00	9.95	1		
Styrene	0.100	1.00	9.73	1		
tert-Butylbenzene	0.100	1.00	9.55	1		
Tetrachloroethene	0.100	1.00	9.70	1		
Toluene	0.100	1.00	9.92	1		
trans-1,2-Dichloroethene	0.100	1.00	8.97	1		
trans-1,3-Dichloropropene	0.160	1.00	9.97	1		
Trichloroethene	0.100	1.00	34.3	1		
Trichlorofluoromethane	0.100	1.00	9.12	1		
Vinyl chloride	0.330	1.00	11.4	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005CMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2008.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	28.6	1		

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	95	72 - 119	
4-Bromofluorobenzene	105	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	431053	141409 - 565636	
Chlorobenzene-d5	792177	272627 - 1090508	
Fluorobenzene	1929438	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2016.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.60	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2016.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	2.15	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.390	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	25.5	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2016.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	296842	141409 - 565636	
Chlorobenzene-d5	643109	272627 - 1090508	
Fluorobenzene	1566246	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2017.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.29	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2017.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	2.15	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	17.0	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM12116LA	**Lab Sample ID:**	K1303139-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2017.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	293142	141409 - 565636	
Chlorobenzene-d5	646671	272627 - 1090508	
Fluorobenzene	1574645	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2019.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.1	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2019.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.110	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	3.79	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	19.2	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2019.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	290215	141409 - 565636	
Chlorobenzene-d5	658063	272627 - 1090508	
Fluorobenzene	1590497	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501LA	**Lab Sample ID:**	K1303139-009A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2020.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.68	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501LA	**Lab Sample ID:**	K1303139-009A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2020.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11501LA	**Lab Sample ID:**	K1303139-009A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2020.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	114	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	274088	141409 - 565636	
Chlorobenzene-d5	606827	272627 - 1090508	
Fluorobenzene	1469226	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801LA	**Lab Sample ID:**	K1303139-010A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2021.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	11.3	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801LA	**Lab Sample ID:**	K1303139-010A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2021.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11801LA	**Lab Sample ID:**	K1303139-010A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2021.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	281765	141409 - 565636	
Chlorobenzene-d5	651774	272627 - 1090508	
Fluorobenzene	1589443	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW8260B
Preparatory Method:
AAB #: R25407

Lab Name: Life Science Laboratories, Inc.
Contract #:

Field Sample ID: 782SW11901LA
Lab Sample ID: K1303139-011A
Matrix: Surface Water

% Solids: 0
Initial Calibration ID: 1860
File ID: K2022.D

Date Received: 13-Mar-13
Date Extracted:
Date Analyzed: 14-Mar-13

Concentration Units (ug/L or mg/Kg dry weight): µg/L
Sample Size: 10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	13.0	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901LA	**Lab Sample ID:**	K1303139-011A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2022.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782SW11901LA	**Lab Sample ID:**	K1303139-011A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2022.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	287172	141409 - 565636	
Chlorobenzene-d5	663640	272627 - 1090508	
Fluorobenzene	1614146	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2023.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.79	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2023.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.330	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2023.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	287972	141409 - 565636	
Chlorobenzene-d5	644780	272627 - 1090508	
Fluorobenzene	1563336	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LF	**Lab Sample ID:**	K1303139-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2024.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	13.3	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LF	**Lab Sample ID:**	K1303139-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2024.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.340	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LF	**Lab Sample ID:**	K1303139-013A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2024.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	111	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	281425	141409 - 565636	
Chlorobenzene-d5	629985	272627 - 1090508	
Fluorobenzene	1530808	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LR	**Lab Sample ID:**	K1303139-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2025.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.9	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LR	**Lab Sample ID:**	K1303139-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2025.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.240	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031213LR	**Lab Sample ID:**	K1303139-014A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2025.D
Date Received:	13-Mar-13	**Date Extracted:**		**Date Analyzed:**	14-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	114	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	291977	141409 - 565636	
Chlorobenzene-d5	666908	272627 - 1090508	
Fluorobenzene	1617121	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2036.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.29	1		F
Benzene	0.100	0.500	0.290	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2036.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.830	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	4.39	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.590	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	12.8	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2036.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	312071	141409 - 565636	
Chlorobenzene-d5	664704	272627 - 1090508	
Fluorobenzene	1629384	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2037.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.200	2		U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		U
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	11.2	2		F
Benzene	0.200	1.00	0.340	2		F
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2037.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	45.7	2		
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	0.320	2		U
Methylene chloride	0.320	2.00	0.540	2		F
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	4.12	2		
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	0.200	2		U
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	8.00	2		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2037.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	297338	141409 - 565636	
Chlorobenzene-d5	634075	272627 - 1090508	
Fluorobenzene	1530860	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2038.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.150	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.87	1		F
Benzene	0.100	0.500	0.420	1		F
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2038.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.750	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	1.88	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.220	1		F
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	46.5	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2038.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	291418	141409 - 565636	
Chlorobenzene-d5	649290	272627 - 1090508	
Fluorobenzene	1546349	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2039.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.400	4.00	0.400	2		U
1,1,1,2-Tetrachloroethane	0.320	1.00	0.320	2		U
1,1,1-Trichloroethane	0.200	2.00	0.200	2		U
1,1,2,2-Tetrachloroethane	0.200	1.00	0.200	2		U
1,1,2-Trichloroethane	0.320	2.00	0.320	2		U
1,1-Dichloroethane	0.200	2.00	0.200	2		U
1,1-Dichloroethene	0.320	2.00	0.320	2		U
1,1-Dichloropropene	0.200	2.00	0.200	2		U
1,2,3-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,3-Trichloropropane	0.660	4.00	0.660	2		U
1,2,4-Trichlorobenzene	0.200	2.00	0.200	2		U
1,2,4-Trimethylbenzene	0.200	2.00	0.200	2		U
1,2-Dibromo-3-chloropropane	2.00	10.0	2.00	2		U
1,2-Dibromoethane	0.320	2.00	0.320	2		U
1,2-Dichlorobenzene	0.200	2.00	0.200	2		U
1,2-Dichloroethane	0.320	1.00	0.320	2		U
1,2-Dichloropropane	0.320	2.00	0.320	2		U
1,3,5-Trimethylbenzene	0.200	2.00	0.200	2		U
1,3-Dichlorobenzene	0.200	2.00	0.200	2		U
1,3-Dichloropropane	0.200	1.00	0.200	2		U
1,4-Dichlorobenzene	0.320	1.00	0.320	2		U
1-Chlorohexane	0.320	2.00	0.320	2		U
2,2-Dichloropropane	0.660	2.00	0.660	2		U
2-Butanone	2.00	20.0	2.00	2		U
2-Chlorotoluene	0.200	2.00	0.200	2		U
4-Chlorotoluene	0.200	2.00	0.200	2		U
4-Methyl-2-pentanone	2.00	20.0	2.00	2		U
Acetone	2.00	20.0	8.76	2		F
Benzene	0.200	1.00	0.200	2		U
Bromobenzene	0.200	2.00	0.200	2		U
Bromochloromethane	0.200	2.00	0.200	2		U
Bromodichloromethane	0.200	1.00	0.200	2		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2039.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.660	2.00	0.660	2		U
Bromomethane	0.660	6.00	0.660	2		U
Carbon tetrachloride	0.200	2.00	0.200	2		U
Chlorobenzene	0.200	1.00	0.200	2		U
Chloroethane	0.660	2.00	0.660	2		U
Chloroform	0.200	1.00	0.200	2		U
Chloromethane	0.660	2.00	0.660	2		U
cis-1,2-Dichloroethene	0.200	2.00	0.200	2		U
cis-1,3-Dichloropropene	0.320	1.00	0.320	2		U
Dibromochloromethane	0.200	1.00	0.200	2		U
Dibromomethane	0.320	2.00	0.320	2		U
Dichlorodifluoromethane	0.200	2.00	0.200	2		U
Ethylbenzene	0.200	2.00	0.200	2		U
Hexachlorobutadiene	0.200	2.00	0.200	2		U
Isopropylbenzene	0.200	2.00	0.200	2		U
Methyl tert-butyl ether	0.320	10.0	11.2	2		
Methylene chloride	0.320	2.00	0.700	2		F
n-Butylbenzene	0.200	2.00	0.200	2		U
n-Propylbenzene	0.200	2.00	0.200	2		U
Naphthalene	0.200	2.00	0.200	2		U
o-Xylene	0.200	2.00	0.200	2		U
p-Isopropyltoluene	0.320	2.00	0.320	2		U
sec-Butylbenzene	0.320	2.00	0.320	2		U
Styrene	0.200	2.00	0.200	2		U
tert-Butylbenzene	0.200	2.00	0.200	2		U
Tetrachloroethene	0.200	2.00	0.200	2		U
Toluene	0.200	2.00	0.200	2		U
trans-1,2-Dichloroethene	0.200	2.00	0.200	2		U
trans-1,3-Dichloropropene	0.320	2.00	0.320	2		U
Trichloroethene	0.200	2.00	0.200	2		U
Trichlorofluoromethane	0.200	2.00	0.200	2		U
Vinyl chloride	0.660	2.00	63.7	2		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2039.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.600	4.00	0.600	2		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	274375	141409 - 565636	
Chlorobenzene-d5	612996	272627 - 1090508	
Fluorobenzene	1478606	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2040.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.450	1		F
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.4	1		
Benzene	0.100	0.500	0.550	1		
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2040.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	37.4	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.360	1		F
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	3.41	1		
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	30.6	1		

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2040.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	276318	141409 - 565636	
Chlorobenzene-d5	621602	272627 - 1090508	
Fluorobenzene	1500450	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2041.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.2	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2041.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.320	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LE	**Lab Sample ID:**	K1303151-006C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2041.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	279665	141409 - 565636	
Chlorobenzene-d5	630996	272627 - 1090508	
Fluorobenzene	1512893	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LF	**Lab Sample ID:**	K1303151-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2042.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	20.4	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LF	**Lab Sample ID:**	K1303151-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2042.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.360	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LF	**Lab Sample ID:**	K1303151-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2042.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	118	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	268260	141409 - 565636	
Chlorobenzene-d5	598546	272627 - 1090508	
Fluorobenzene	1429666	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LR	**Lab Sample ID:**	K1303151-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2043.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.68	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LR	**Lab Sample ID:**	K1303151-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2043.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.230	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031313LR	**Lab Sample ID:**	K1303151-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2043.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	15-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	263990	141409 - 565636	
Chlorobenzene-d5	595674	272627 - 1090508	
Fluorobenzene	1417364	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5973 MSK (5973K)

Date of Initial Calibration: 22 Jan 13

Initial Calibration ID: 1860

Concentration Units: (ug/L or mg/Kg): ug/L

SEE ATTACHED

Comments:

AFCEE FORM O-3

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 16:05:26 2013
Response via : Initial Calibration

ICAL #1860

Calibration Files
0.25 =K1737.D 0.50 =K1738.D 1.0 =K1739.D
2.0 =K1740.D 10 =K1741.D 20 =K1743.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluoromet	0.327	0.321	0.332	0.324	0.346	0.345	0.333	2.48
3)	P	Chloromethane	0.386	0.350	0.352	0.346	0.353	0.360	0.353	3.73
4)	CP	Vinyl chloride	0.263	0.254	0.265	0.267	0.290	0.296	0.278	5.17
5)		Bromomethane		0.047	0.066	0.052	0.090	0.081	0.084	29.38
6)		Chloroethane	0.187	0.169	0.188	0.191	0.204	0.203	0.192	5.19
7)		Trichlorofluorometh	0.344	0.324	0.343	0.337	0.361	0.364	0.349	3.55
8)	CPM	1,1-Dichloroethene	0.236	0.221	0.219	0.223	0.245	0.247	0.237	4.90
9)		Carbon disulfide	1.138	1.037	0.926	0.946	1.034	1.049	1.026	5.60
10)		1,1,2-Trichloro-1,2	0.228	0.221	0.226	0.225	0.248	0.248	0.239	5.27
11)		Methyl iodide			0.022	0.044	0.139	0.176	0.136	48.15
12)		Acrolein	0.014	0.016	0.017	0.020	0.024	0.025	0.021	19.11
13)		Methylene chloride		0.428	0.358	0.301	0.277	0.270	0.298	19.36
14)		Acetone		0.026	0.025	0.028	0.027	0.028	0.027	4.20
15)		tert-Butyl alcohol		0.005	0.007	0.007	0.008	0.009	0.007	14.60
16)		trans-1,2-Dichloroe	0.262	0.234	0.245	0.242	0.267	0.264	0.257	4.60
17)		Methyl acetate	0.082	0.086	0.098	0.102	0.095	0.101	0.094	7.06
18)		Methyl tert-Butyl e	0.515	0.441	0.471	0.467	0.502	0.504	0.484	4.63
19)	P	1,1-Dichloroethane	0.477	0.435	0.444	0.446	0.482	0.485	0.466	3.79
20)		Acrylonitrile	0.036	0.035	0.042	0.044	0.046	0.047	0.043	9.76
21)		Vinyl acetate	0.317	0.268	0.268	0.292	0.323	0.336	0.312	8.54
22)		cis-1,2-Dichloroeth	0.275	0.241	0.257	0.256	0.280	0.283	0.272	5.57
23)		2,2-Dichloropropane	0.387	0.340	0.343	0.347	0.381	0.378	0.366	4.63
24)		Bromochloromethane	0.072	0.071	0.084	0.086	0.096	0.095	0.085	9.83
25)		Cyclohexane	0.550	0.510	0.522	0.524	0.565	0.560	0.541	3.33
26)	CP	Chloroform	0.466	0.414	0.429	0.427	0.462	0.468	0.450	4.31
27)		Carbon tetrachlorid	0.251	0.229	0.245	0.244	0.278	0.288	0.269	9.09
28)		Tetrahydrofuran		0.056	0.046	0.041	0.036	0.037	0.040	17.68
29)		1,1,1-Trichloroetha	0.356	0.321	0.332	0.336	0.370	0.375	0.360	6.15
30)		2-Butanone		0.039	0.046	0.046	0.050	0.053	0.049	9.08
31)		1,1-Dichloropropene	0.367	0.332	0.348	0.350	0.385	0.386	0.370	5.44
32)	M	Benzene	1.155	1.038	1.062	1.066	1.136	1.133	1.103	3.34
33)	S	1,2-Dichloroethane-				0.207	0.219	0.222	0.216	2.66
34)		1,2-Dichloroethane	0.240	0.215	0.231	0.234	0.251	0.257	0.242	5.46
35)		Methylcyclohexane	0.404	0.375	0.379	0.390	0.428	0.426	0.412	5.66
36)	M	Trichloroethene	0.257	0.240	0.241	0.245	0.270	0.274	0.263	6.03
37)		Dibromomethane	0.088	0.087	0.099	0.099	0.111	0.114	0.105	10.41
38)	CP	1,2-Dichloropropane	0.271	0.248	0.258	0.259	0.280	0.284	0.273	4.77
39)		Bromodichloromethan	0.261	0.240	0.259	0.265	0.305	0.315	0.292	10.86
40)		2-Chloroethylvinyl		0.054	0.066	0.068	0.080	0.079	0.067	13.36
41)		cis-1,3-Dichloropro	0.347	0.316	0.341	0.348	0.403	0.412	0.381	10.06
42)	CPM	Toluene	0.639	0.604	0.612	0.614	0.667	0.675	0.652	4.90
43)		4-Methyl-2-pentanon	0.111	0.097	0.111	0.110	0.120	0.125	0.116	7.55

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

1/28/13

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 16:05:26 2013
Response via : Initial Calibration

Calibration Files
0.25 =K1737.D 0.50 =K1738.D 1.0 =K1739.D
2.0 =K1740.D 10 =K1741.D 20 =K1743.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
44)		trans-1,3-Dichlorop	0.243	0.219	0.237	0.255	0.307	0.318	0.286	14.60
45)		1,1,2-Trichloroetha	0.127	0.122	0.131	0.135	0.146	0.149	0.140	7.44
46)		2-Hexanone	0.065	0.058	0.066	0.069	0.077	0.082	0.074	12.10
47)	I	Chlorobenzene-d5	----------	ISTD	----------					
48)	S	Toluene-d8	3.131	2.543	2.469	2.290	2.262	2.260	2.355	13.05
49)		Tetrachloroethene	0.494	0.475	0.480	0.486	0.510	0.521	0.508	4.45
50)		Dibromochloromethan	0.313	0.306	0.329	0.342	0.396	0.416	0.374	12.19
51)		1,3-Dichloropropane	0.736	0.671	0.711	0.724	0.735	0.749	0.712	3.41
52)		1,2-Dibromoethane	0.306	0.293	0.329	0.340	0.362	0.372	0.341	7.27
53)		1-Chlorohexane	0.837	0.824	0.846	0.840	0.895	0.900	0.863	3.04
54)	PM	Chlorobenzene	1.789	1.614	1.608	1.609	1.662	1.685	1.653	3.29
55)	CP	Ethylbenzene	3.340	2.984	3.001	2.940	2.953	2.969	2.935	5.99
56)		1,1,1,2-Tetrachloro	0.418	0.419	0.426	0.435	0.480	0.494	0.464	7.52
57)		(m+p)-Xylene	1.065	1.007	1.021	0.993	1.028	1.074	1.037	2.60
58)		o-Xylene	1.088	0.955	0.980	0.965	1.004	1.048	1.021	4.35
59)		Styrene	1.491	1.441	1.503	1.509	1.620	1.702	1.600	6.43
60)	P	Bromoform	0.096	0.100	0.132	0.137	0.169	0.182	0.156	23.70
61)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
62)		Isopropylbenzene	4.443	4.204	4.203	4.323	4.591	4.293	4.219	5.72
63)	S	Bromofluorobenzene	1.009	0.844	0.907	0.874	0.892	0.842	0.871	6.47
64)		Bromobenzene	0.976	0.854	0.948	0.964	1.032	0.975	0.960	4.80
65)		n-Propylbenzene	4.948	4.801	4.778	4.859	5.267	5.065	4.896	4.58
66)	P	1,1,2,2-Tetrachloro	0.703	0.664	0.731	0.761	0.818	0.776	0.733	6.21
67)		2-Chlorotoluene	3.777	3.471	3.532	3.554	3.762	3.613	3.558	4.10
68)		1,3,5-Trimethylbenz	2.555	2.403	2.370	2.424	2.589	2.654	2.557	4.48
69)		1,2,3-Trichloroprop		0.118	0.165	0.176	0.201	0.188	0.171	13.45
70)		trans-1,4-Dichloro-			0.083	0.098	0.121	0.135	0.124	17.56
71)		4-Chlorotoluene	3.043	2.940	3.008	3.040	3.216	3.160	3.061	3.19
72)		tert-Butylbenzene	2.568	2.425	2.443	2.492	2.635	2.593	2.534	3.05
73)		1,2,4-Trimethylbenz	2.071	1.967	2.011	2.061	2.233	2.292	2.185	6.45
74)		sec-Butylbenzene	3.566	3.433	3.518	3.598	3.916	3.836	3.676	4.57
75)		p-Isopropyltoluene	2.229	2.217	2.225	2.260	2.502	2.527	2.420	6.71
76)		1,3-Dichlorobenzene	1.635	1.570	1.601	1.594	1.730	1.694	1.661	3.36
77)		1,4-Dichlorobenzene	1.605	1.529	1.533	1.517	1.629	1.624	1.591	2.85
78)		n-Butylbenzene	1.683	1.582	1.695	1.769	2.036	2.053	1.903	10.25
79)		1,2-Dichlorobenzene	1.380	1.277	1.339	1.352	1.461	1.445	1.392	4.01
80)		1,2-Dibromo-3-chlor			0.074	0.080	0.094	0.094	0.087	8.11
81)		Hexachlorobutadiene	0.205	0.231	0.226	0.259	0.283	0.271	0.258	10.73
82)		1,2,4-Trichlorobenz	0.265	0.243	0.299	0.322	0.365	0.399	0.345	17.24
83)		Naphthalene	0.435	0.349	0.420	0.444	0.511	0.583	0.485	15.30
84)		1,2,3-Trichlorobenz	0.121	0.176	0.232	0.245	0.266	0.299	0.243	22.96

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

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrato
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 15:58:10 2013
Response via : Initial Calibration

Calibration Files
30 =K1744.D 40 =K1745.D 60 =K1747.D
80 =K1749.D = =

		Compound	30	40	60	80
1)	I	Fluorobenzene	ISTD			
2)		Dichlorodifluoromet	0.335	0.338	0.331	0.334
3)	P	Chloromethane	0.338	0.348	0.349	0.345
4)	CP	Vinyl chloride	0.287	0.285	0.286	0.287
5)		Bromomethane	0.107	0.116	0.088	0.108
6)		Chloroethane	0.195	0.197	0.195	0.193
7)		Trichlorofluorometh	0.353	0.353	0.355	0.360
8)	CPM	1,1-Dichloroethene	0.240	0.245	0.246	0.249
9)		Carbon disulfide	1.034	1.035	1.036	1.025
10)		1,1,2-Trichloro-1,2	0.247	0.248	0.248	0.255
11)		Methyl iodide	0.184	0.181	0.174	0.170
12)		Acrolein	0.023	0.024	0.025	0.025
13)		Methylene chloride	0.260	0.263	0.264	0.264
14)		Acetone	0.026	0.027	0.029	0.028
15)		tert-Butyl alcohol	0.008	0.008	0.008	0.007
16)		trans-1,2-Dichloroe	0.258	0.263	0.266	0.266
17)		Methyl acetate	0.089	0.097	0.099	0.091
18)		Methyl tert-Butyl e	0.465	0.488	0.497	0.488
19)	P	1,1-Dichloroethane	0.468	0.476	0.475	0.472
20)		Acrylonitrile	0.043	0.045	0.047	0.046
21)		Vinyl acetate	0.318	0.321	0.339	0.334
22)		cis-1,2-Dichloroeth	0.274	0.280	0.285	0.286
23)		2,2-Dichloropropane	0.378	0.374	0.370	0.366
24)		Bromochloromethane	0.089	0.088	0.087	0.086
25)		Cyclohexane	0.554	0.551	0.542	0.538
26)	CP	Chloroform	0.452	0.462	0.464	0.459
27)		Carbon tetrachlorid	0.280	0.288	0.294	0.296
28)		Tetrahydrofuran	0.033	0.035	0.037	0.035
29)		1,1,1-Trichloroetha	0.369	0.375	0.380	0.382
30)		2-Butanone	0.049	0.051	0.053	0.052
31)		1,1-Dichloropropene	0.380	0.383	0.386	0.388
32)	M	Benzene	1.109	1.116	1.113	1.098
33)	S	1,2-Dichloroethane-	0.210	0.217	0.220	0.220
34)		1,2-Dichloroethane	0.241	0.250	0.254	0.253
35)		Methylcyclohexane	0.433	0.430	0.425	0.435
36)	M	Trichloroethene	0.270	0.275	0.278	0.280
37)		Dibromomethane	0.106	0.112	0.115	0.115
38)	CP	1,2-Dichloropropane	0.277	0.281	0.283	0.284
39)		Bromodichloromethan	0.307	0.316	0.323	0.324
40)		2-Chloroethylvinyl	0.069	0.068	0.062	0.055
41)		cis-1,3-Dichloropro	0.399	0.409	0.416	0.418
42)	CPM	Toluene	0.669	0.678	0.679	0.686
43)		4-Methyl-2-pentanon	0.115	0.120	0.124	0.124

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

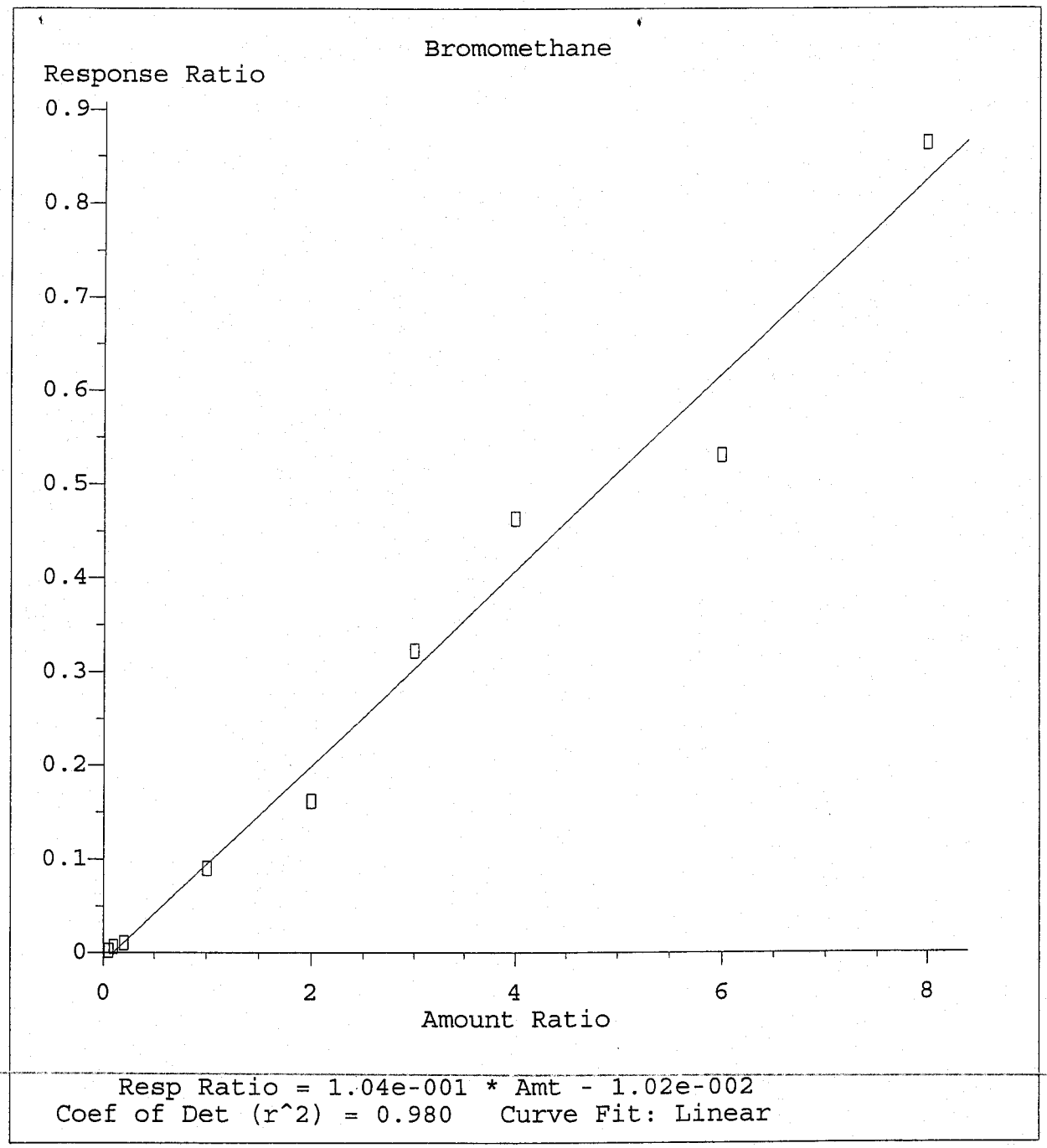
Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrator
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 15:58:10 2013
Response via : Initial Calibration

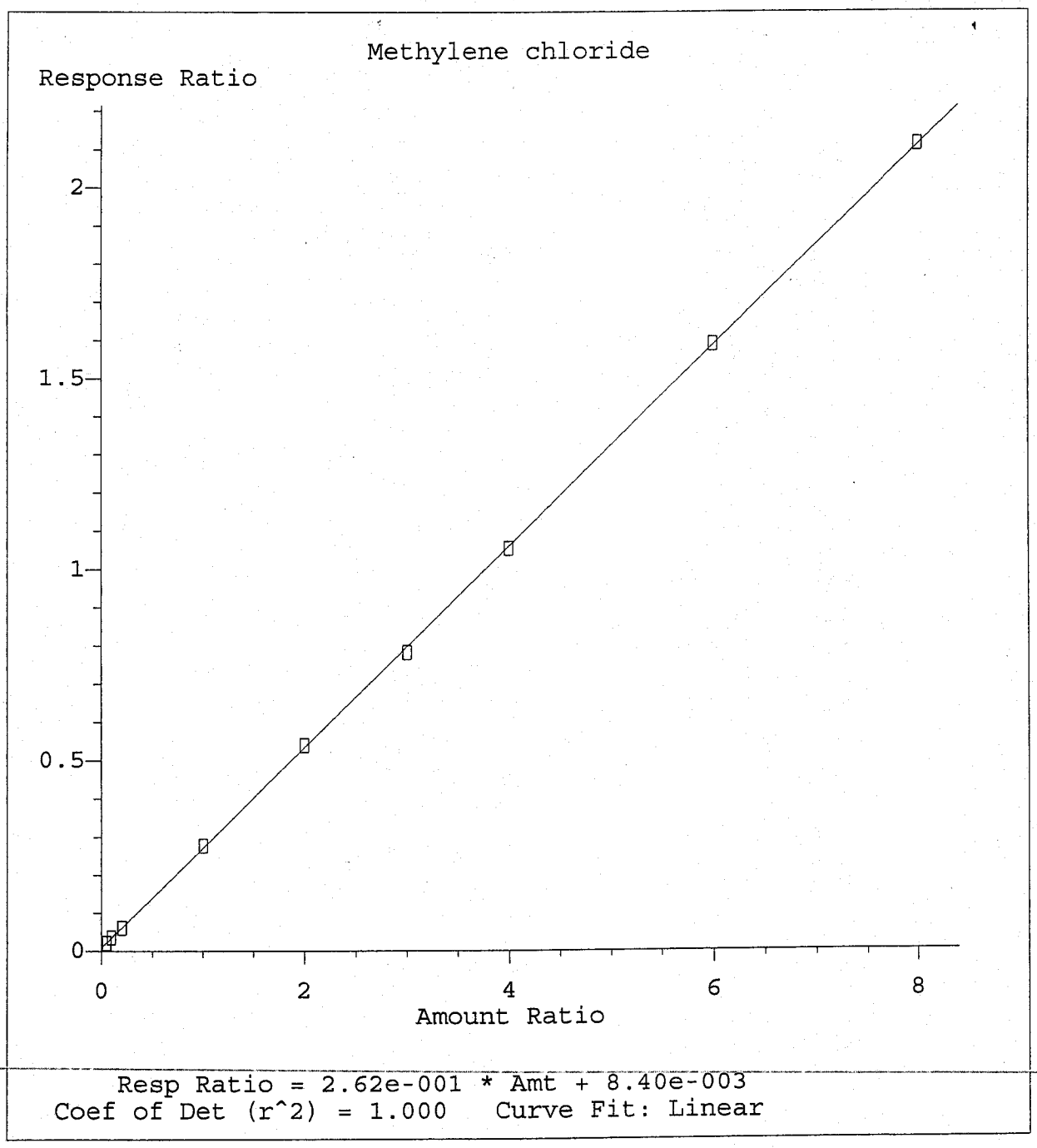
Calibration Files
30 =K1744.D 40 =K1745.D 60 =K1747.D
80 =K1749.D = =

		Compound	30	40	60	80
44)		trans-1,3-Dichlorop	0.307	0.318	0.325	0.325
45)		1,1,2-Trichloroetha	0.141	0.146	0.151	0.152
46)		2-Hexanone	0.076	0.080	0.083	0.084
47)	I	Chlorobenzene-d5	----------	ISTD	----------	
48)	S	Toluene-d8	2.194	2.198	2.109	2.095
49)		Tetrachloroethene	0.520	0.526	0.526	0.542
50)		Dibromochloromethan	0.397	0.412	0.411	0.415
51)		1,3-Dichloropropane	0.693	0.712	0.697	0.690
52)		1,2-Dibromoethane	0.345	0.357	0.352	0.350
53)		1-Chlorohexane	0.884	0.880	0.860	0.865
54)	PM	Chlorobenzene	1.645	1.666	1.635	1.622
55)	CP	Ethylbenzene	2.859	2.868	2.752	2.686
56)		1,1,1,2-Tetrachloro	0.484	0.495	0.493	0.499
57)		(m+p)-Xylene	1.043	1.069	1.048	1.026
58)		o-Xylene	1.014	1.047	1.050	1.062
59)		Styrene	1.643	1.697	1.695	1.697
60)	P	Bromoform	0.176	0.186	0.189	0.193
61)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------	
62)		Isopropylbenzene	4.327	4.130	3.907	3.770
63)	S	Bromofluorobenzene	0.861	0.838	0.817	0.826
64)		Bromobenzene	0.999	0.964	0.940	0.948
65)		n-Propylbenzene	5.124	4.932	4.690	4.491
66)	P	1,1,2,2-Tetrachloro	0.752	0.734	0.709	0.686
67)		2-Chlorotoluene	3.625	3.539	3.382	3.324
68)		1,3,5-Trimethylbenz	2.645	2.652	2.660	2.615
69)		1,2,3-Trichloroprop	0.183	0.174	0.171	0.168
70)		trans-1,4-Dichloro-	0.141	0.142	0.139	0.131
71)		4-Chlorotoluene	3.168	3.103	2.995	2.934
72)		tert-Butylbenzene	2.632	2.584	2.500	2.473
73)		1,2,4-Trimethylbenz	2.275	2.294	2.336	2.311
74)		sec-Butylbenzene	3.880	3.799	3.645	3.572
75)		p-Isopropyltoluene	2.566	2.559	2.565	2.548
76)		1,3-Dichlorobenzene	1.712	1.697	1.687	1.686
77)		1,4-Dichlorobenzene	1.614	1.626	1.616	1.620
78)		n-Butylbenzene	2.071	2.060	2.045	2.032
79)		1,2-Dichlorobenzene	1.417	1.420	1.420	1.414
80)		1,2-Dibromo-3-chlor	0.089	0.091	0.089	0.086
81)		Hexachlorobutadiene	0.282	0.279	0.270	0.276
82)		1,2,4-Trichlorobenz	0.362	0.386	0.414	0.396
83)		Naphthalene	0.479	0.536	0.577	0.520
84)		1,2,3-Trichlorobenz	0.250	0.276	0.297	0.271

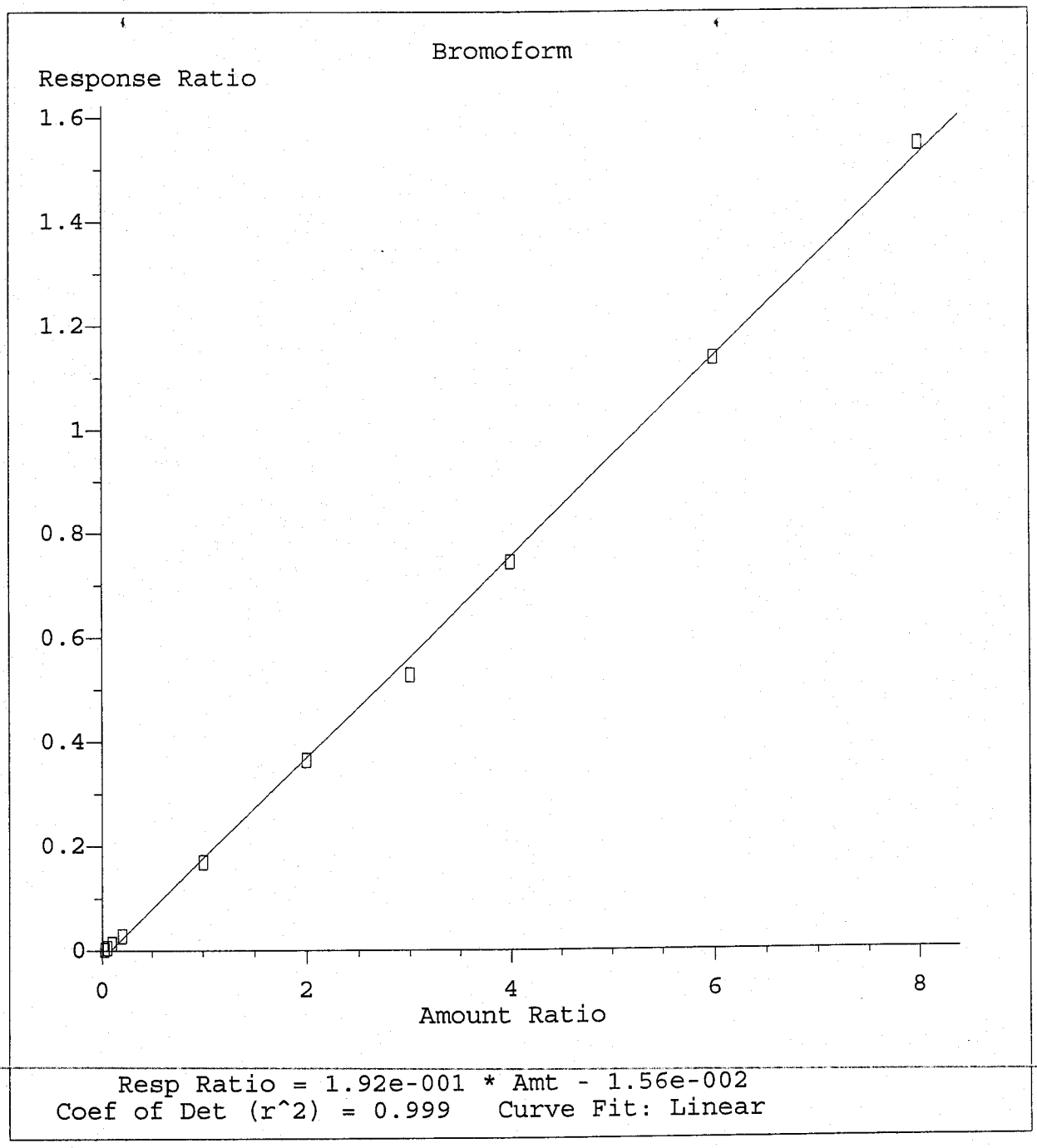
(#) = Out of Range ### Number of calibration levels exceeded fo



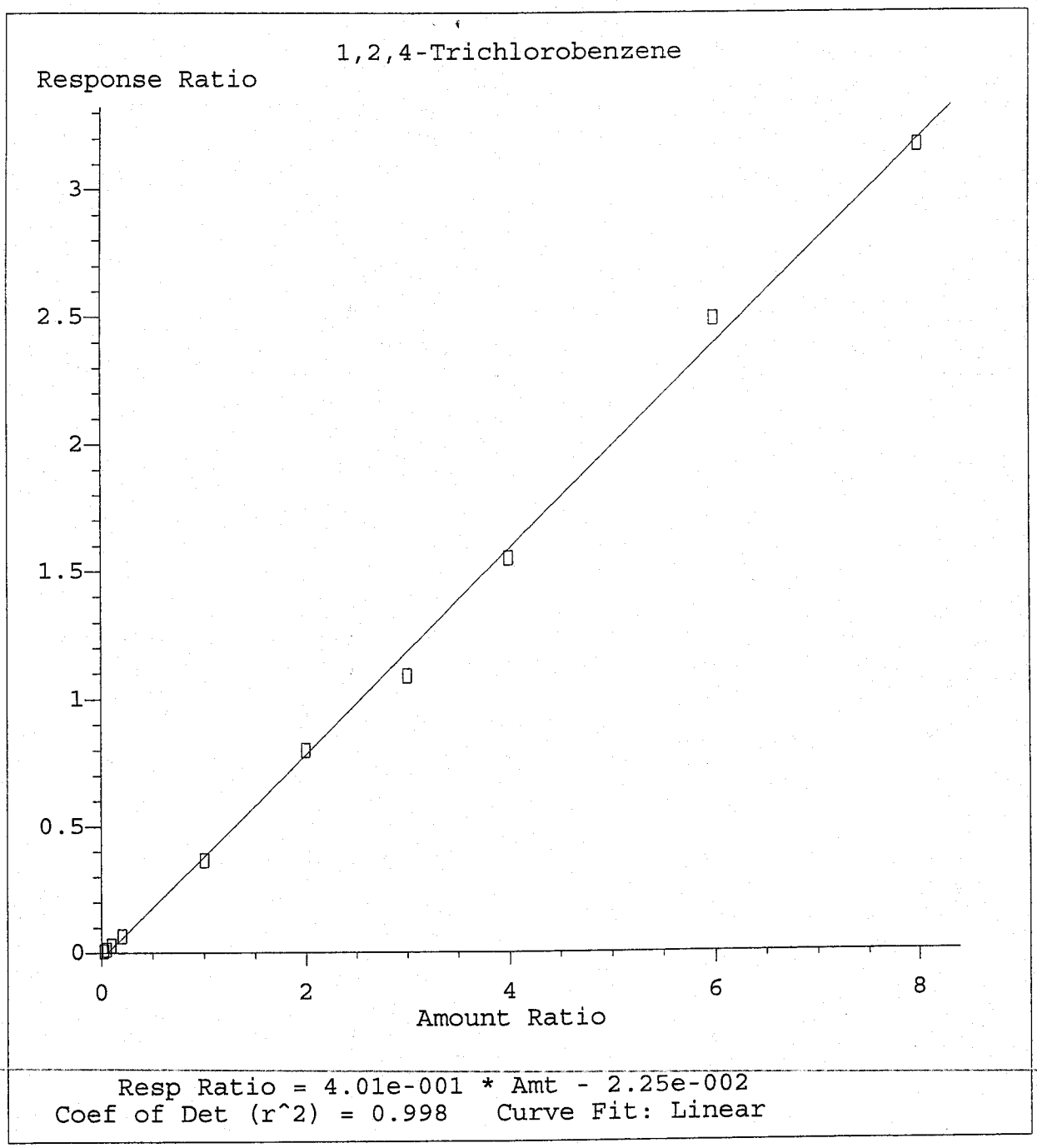
Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



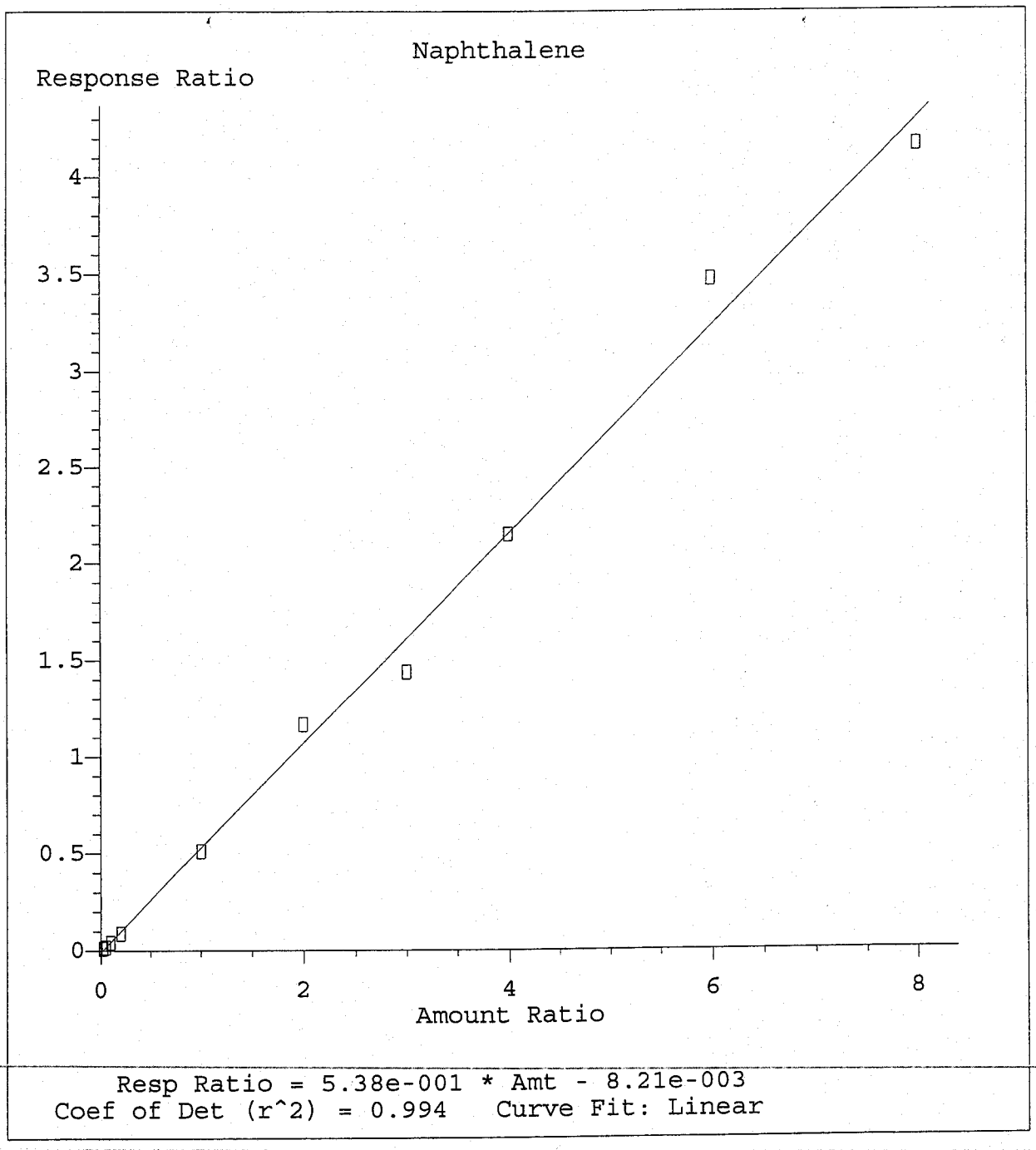
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Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



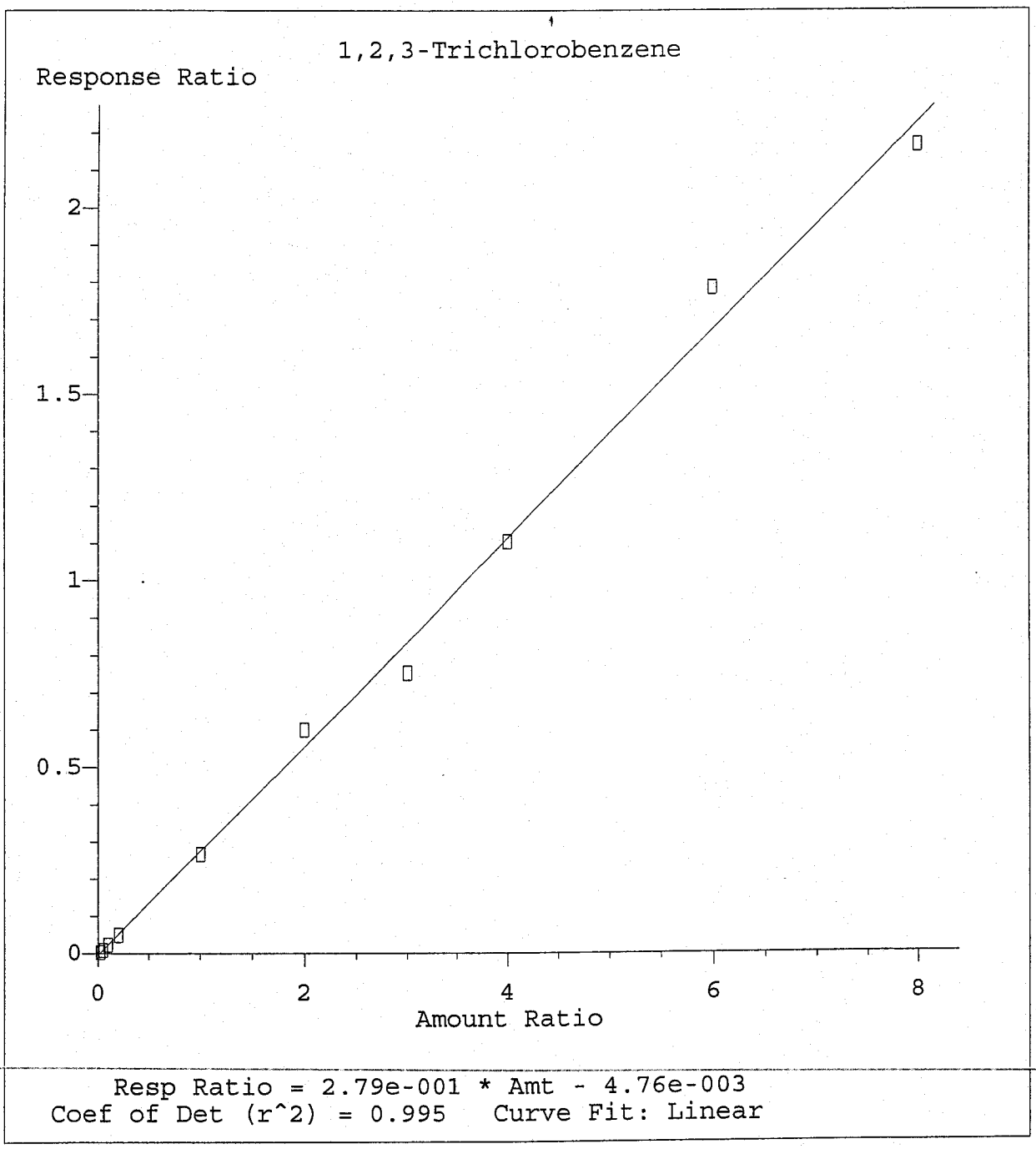
Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R25406
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1860
Second Source ID:	2SRC-25407	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	19	-5.0	
1,1,1,2-Tetrachloroethane	10	9.59	-4.1	
1,1,1-Trichloroethane	10	8.46	-15.4	
1,1,2,2-Tetrachloroethane	10	10.6	6.1	
1,1,2-Trichloroethane	10	10	0	
1,1-Dichloroethane	10	10.1	0.6	
1,1-Dichloroethene	10	8.97	-10.3	
1,1-Dichloropropene	10	9.2	-8.0	
1,2,3-Trichlorobenzene	10	10.3	3.2	
1,2,3-Trichloropropane	10	10.2	1.7	
1,2,4-Trichlorobenzene	10	10	0.1	
1,2,4-Trimethylbenzene	10	9.77	-2.3	
1,2-Dibromo-3-chloropropane	10	11.5	14.7	
1,2-Dibromoethane	10	9.69	-3.1	
1,2-Dichlorobenzene	10	10.3	2.8	
1,2-Dichloroethane	10	9.22	-7.8	
1,2-Dichloropropane	10	10.2	2.4	
1,3,5-Trimethylbenzene	10	9.4	-6.0	
1,3-Dichlorobenzene	10	9.91	-0.9	
1,3-Dichloropropane	10	9.97	-0.3	
1,4-Dichlorobenzene	10	9.96	-0.4	
1-Chlorohexane	10	10	0.5	
2,2-Dichloropropane	10	9.55	-4.5	
2-Butanone	20	20.9	4.5	
2-Chlorotoluene	10	9.64	-3.6	
4-Chlorotoluene	10	9.49	-5.1	
4-Methyl-2-pentanone	20	21.6	7.8	
Acetone	20	21.7	8.4	
Benzene	10	9.53	-4.7	
Bromobenzene	10	9.83	-1.7	
Bromochloromethane	10	9.9	-1.0	
Bromodichloromethane	10	9.34	-6.6	
Bromoform	10	9.03	-9.7	
Bromomethane	10	11.1	10.8	
Carbon tetrachloride	10	8.26	-17.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R25406
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1860
Second Source ID:	2SRC-25407	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.73	-2.7	
Chloroethane	10	9.91	-0.9	
Chloroform	10	9.02	-9.8	
Chloromethane	10	10.5	5.0	
cis-1,2-Dichloroethene	10	9.45	-5.5	
cis-1,3-Dichloropropene	10	9.94	-0.6	
Dibromochloromethane	10	9.08	-9.2	
Dibromomethane	10	9.33	-6.7	
Dichlorodifluoromethane	10	10	0.1	
Ethylbenzene	10	9.53	-4.7	
Hexachlorobutadiene	10	11.7	16.6	
Isopropylbenzene	10	10.8	8.1	
Methyl tert-butyl ether	10	9.65	-3.5	
Methylene chloride	10	9.66	-3.4	
n-Butylbenzene	10	10.4	4.1	
n-Propylbenzene	10	10	0	
Naphthalene	10	9.75	-2.5	
o-Xylene	10	9.61	-3.9	
p-Isopropyltoluene	10	9.72	-2.8	
sec-Butylbenzene	10	9.82	-1.8	
Styrene	10	9.71	-2.9	
tert-Butylbenzene	10	9.64	-3.6	
Tetrachloroethene	10	9.37	-6.3	
Toluene	10	9.86	-1.4	
trans-1,2-Dichloroethene	10	9.11	-8.9	
trans-1,3-Dichloropropene	10	10.3	2.7	
Trichloroethene	10	9.01	-9.9	
Trichlorofluoromethane	10	9	-10	
Vinyl chloride	10	11.1	11.3	
Xylenes (total)	30	28.6	-4.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8260B AAB #:

Lab Name: Life Science Laboratories, Inc. Contract #:

Instrument ID: 5973 MSK (5973K) Initial Calibration ID: 1860

ICV ID: 2SRC-25407 CCV #1 ID: CCV-25407 CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Data File : C:\HPCHEM\1\DATA\K2005.D
Acq On : 14 Mar 2013 7:57
Sample : CCV-25407
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 11 08:30:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	141	0.00
2		Dichlorodifluoromethane	0.333	0.315	-5.4	128	0.00
3	P	Chloromethane	0.353	0.367	4.0	147	0.09
4	CP	Vinyl chloride	0.278	0.305	9.7	148	0.08
5		Bromomethane	0.084	0.100	19.0	158	0.09
6		Chloroethane	0.192	0.197	2.6	136	0.09
7		Trichlorofluoromethane	0.349	0.305	-12.6	119	0.07
8	CPM	1,1-Dichloroethene	0.237	0.216	-8.9	125	0.05
9		Methylene chloride	0.298	0.261	-12.4	133	0.04
10		Acetone	0.027	0.031	14.8	163	0.04
11		trans-1,2-Dichloroethene	0.257	0.232	-9.7	123	0.03
12		Methyl tert-Butyl ether	0.484	0.479	-1.0	135	0.04
13	P	1,1-Dichloroethane	0.466	0.482	3.4	141	0.02
14		cis-1,2-Dichloroethene	0.272	0.262	-3.7	132	0.00
15		2,2-Dichloropropane	0.366	0.360	-1.6	134	0.00
16		Bromochloromethane	0.085	0.087	2.4	128	0.00
17	CP	Chloroform	0.450	0.424	-5.8	130	0.00
18		Carbon tetrachloride	0.269	0.222	-17.5	113	0.00
19		1,1,1-Trichloroethane	0.360	0.321	-10.8	123	0.00
20		2-Butanone	0.049	0.058	18.4	165	0.00
21		1,1-Dichloropropene	0.370	0.347	-6.2	128	0.00
22	M	Benzene	1.103	1.095	-0.7	136	0.00
23	S	1,2-Dichloroethane-d4	0.211	0.203	-3.8	131	0.00
24		1,2-Dichloroethane	0.242	0.234	-3.3	132	-0.01
25	M	Trichloroethene	0.263	0.241	-8.4	127	-0.02
26		Dibromomethane	0.105	0.101	-3.8	129	-0.03
27	CP	1,2-Dichloropropane	0.273	0.291	6.6	146	-0.03
28		Bromodichloromethane	0.292	0.281	-3.8	130	-0.04
29		cis-1,3-Dichloropropene	0.381	0.391	2.6	137	-0.04
30	CPM	Toluene	0.652	0.642	-1.5	136	-0.03
31		4-Methyl-2-pentanone	0.116	0.137	18.1	161	-0.02
32		trans-1,3-Dichloropropene	0.286	0.297	3.8	137	-0.04
33		1,1,2-Trichloroethane	0.140	0.144	2.9	140	-0.05
34	I	Chlorobenzene-d5	1.000	1.000	0.0	142	0.00
35	S	Toluene-d8	2.355	2.109	-10.4	133	0.02
36		Tetrachloroethene	0.508	0.477	-6.1	133	0.00
37		Dibromochloromethane	0.374	0.354	-5.3	127	0.00
38		1,3-Dichloropropane	0.712	0.728	2.2	141	0.00
39		1,2-Dibromoethane	0.341	0.339	-0.6	133	0.00
40		1-Chlorohexane	0.863	0.865	0.2	137	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2005.D
Acq On : 14 Mar 2013 7:57
Sample : CCV-25407
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 11 08:30:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	1.653	1.591	-3.8	136	0.00
42	CP	Ethylbenzene	2.935	2.834	-3.4	137	0.00
43		1,1,1,2-Tetrachloroethane	0.464	0.441	-5.0	131	0.00
44		(m+p)-Xylene	1.037	0.988	-4.7	137	0.00
45		o-Xylene	1.021	0.993	-2.7	141	0.00
46		Styrene	1.600	1.599	-0.1	140	0.00
47	P	Bromoform	0.156	0.158	1.3	133	-0.03
48	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	149	0.00
49		Isopropylbenzene	4.219	4.204	-0.4	136	0.03
50	S	Bromofluorobenzene	0.871	0.888	2.0	148	0.00
51		Bromobenzene	0.960	1.003	4.5	145	0.00
52		n-Propylbenzene	4.896	4.906	0.2	139	0.03
53	P	1,1,2,2-Tetrachloroethane	0.733	0.808	10.2	147	0.00
54		2-Chlorotoluene	3.558	3.500	-1.6	139	0.00
55		1,3,5-Trimethylbenzene	2.557	2.435	-4.8	140	0.02
56		1,2,3-Trichloropropane	0.171	0.185	8.2	137	0.00
57		4-Chlorotoluene	3.061	3.004	-1.9	139	0.00
58		tert-Butylbenzene	2.534	2.473	-2.4	140	0.03
59		1,2,4-Trimethylbenzene	2.185	2.049	-6.2	137	0.02
60		sec-Butylbenzene	3.676	3.686	0.3	140	0.02
61		p-Isopropyltoluene	2.420	2.341	-3.3	139	0.02
62		1,3-Dichlorobenzene	1.661	1.681	1.2	145	0.00
63		1,4-Dichlorobenzene	1.591	1.563	-1.8	143	0.00
64		n-Butylbenzene	1.903	1.987	4.4	145	0.02
65		1,2-Dichlorobenzene	1.392	1.452	4.3	148	-0.02
66		1,2-Dibromo-3-chloropropane	0.087	0.099	13.8	157	-0.02
67		Hexachlorobutadiene	0.258	0.318	23.3#	167	-0.01
68		1,2,4-Trichlorobenzene	0.345	0.399	15.7	163	-0.03
69		Naphthalene	0.485	0.550	13.4	160	0.00
70		1,2,3-Trichlorobenzene	0.243	0.296	21.8#	165	0.00

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

Data File : C:\HPCHEM\1\DATA\K2005.D
Acq On : 14 Mar 2013 7:57
Sample : CCV-25407
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 11 08:30:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	141	0.00
2		Dichlorodifluoromethane	10.000	9.444	-5.6	128	0.00
3	P	Chloromethane	10.000	10.415	4.1	147	0.09
4	CP	Vinyl chloride	10.000	10.961	9.6	148	0.08
5		Bromomethane	10.000	10.593	5.9	158	0.09
6		Chloroethane	10.000	10.229	2.3	136	0.09
7		Trichlorofluoromethane	10.000	8.728	-12.7	119	0.07
8	CPM	1,1-Dichloroethene	10.000	9.109	-8.9	125	0.05
9		Methylene chloride	10.000	9.624	-3.8	133	0.04
10		Acetone	20.000	23.123	15.6	163	0.04
11		trans-1,2-Dichloroethene	10.000	9.055	-9.5	123	0.03
12		Methyl tert-Butyl ether	10.000	9.900	-1.0	135	0.04
13	P	1,1-Dichloroethane	10.000	10.350	3.5	141	0.02
14		cis-1,2-Dichloroethene	10.000	9.645	-3.6	132	0.00
15		2,2-Dichloropropane	10.000	9.834	-1.7	134	0.00
16		Bromochloromethane	10.000	10.148	1.5	128	0.00
17	CP	Chloroform	10.000	9.410	-5.9	130	0.00
18		Carbon tetrachloride	10.000	8.253	-17.5	113	0.00
19		1,1,1-Trichloroethane	10.000	8.920	-10.8	123	0.00
20		2-Butanone	20.000	23.841	19.2	165	0.00
21		1,1-Dichloropropene	10.000	9.372	-6.3	128	0.00
22	M	Benzene	10.000	9.935	-0.6	136	0.00
23	S	1,2-Dichloroethane-d4	10.000	9.424	-5.8	131	0.00
24		1,2-Dichloroethane	10.000	9.664	-3.4	132	-0.01
25	M	Trichloroethene	10.000	9.186	-8.1	127	-0.02
26		Dibromomethane	10.000	9.641	-3.6	129	-0.03
27	CP	1,2-Dichloropropane	10.000	10.661	6.6	146	-0.03
28		Bromodichloromethane	10.000	9.621	-3.8	130	-0.04
29		cis-1,3-Dichloropropene	10.000	10.253	2.5	137	-0.04
30	CPM	Toluene	10.000	9.846	-1.5	136	-0.03
31		4-Methyl-2-pentanone	20.000	23.639	18.2	161	-0.02
32		trans-1,3-Dichloropropene	10.000	10.410	4.1	137	-0.04
33		1,1,2-Trichloroethane	10.000	10.313	3.1	140	-0.05
34	I	Chlorobenzene-d5	10.000	10.000	0.0	142	0.00
35	S	Toluene-d8	10.000	8.954	-10.5	133	0.02
36		Tetrachloroethene	10.000	9.391	-6.1	133	0.00
37		Dibromochloromethane	10.000	9.481	-5.2	127	0.00
38		1,3-Dichloropropane	10.000	10.230	2.3	141	0.00
39		1,2-Dibromoethane	10.000	9.956	-0.4	133	0.00
40		1-Chlorohexane	10.000	10.024	0.2	137	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2005.D
Acq On : 14 Mar 2013 7:57
Sample : CCV-25407
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 4
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 11 08:30:34 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	10.000	9.621	-3.8	136	0.00
42	CP	Ethylbenzene	10.000	9.654	-3.5	137	0.00
43		1,1,1,2-Tetrachloroethane	10.000	9.493	-5.1	131	0.00
44		(m+p)-Xylene	20.000	19.054	-4.7	137	0.00
45		o-Xylene	10.000	9.719	-2.8	141	0.00
46		Styrene	10.000	9.995	-0.1	140	0.00
47	P	Bromoform	10.000	9.046	-9.5	133	-0.03
48	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	149	0.00
49		Isopropylbenzene	10.000	9.963	-0.4	136	0.03
50	S	Bromofluorobenzene	10.000	10.193	1.9	148	0.00
51		Bromobenzene	10.000	10.451	4.5	145	0.00
52		n-Propylbenzene	10.000	10.020	0.2	139	0.03
53	P	1,1,2,2-Tetrachloroethane	10.000	11.016	10.2	147	0.00
54		2-Chlorotoluene	10.000	9.837	-1.6	139	0.00
55		1,3,5-Trimethylbenzene	10.000	9.526	-4.7	140	0.02
56		1,2,3-Trichloropropane	10.000	10.816	8.2	137	0.00
57		4-Chlorotoluene	10.000	9.815	-1.9	139	0.00
58		tert-Butylbenzene	10.000	9.759	-2.4	140	0.03
59		1,2,4-Trimethylbenzene	10.000	9.379	-6.2	137	0.02
60		sec-Butylbenzene	10.000	10.026	0.3	140	0.02
61		p-Isopropyltoluene	10.000	9.673	-3.3	139	0.02
62		1,3-Dichlorobenzene	10.000	10.124	1.2	145	0.00
63		1,4-Dichlorobenzene	10.000	9.823	-1.8	143	0.00
64		n-Butylbenzene	10.000	10.445	4.5	145	0.02
65		1,2-Dichlorobenzene	10.000	10.425	4.3	148	-0.02
66		1,2-Dibromo-3-chloropropane	10.000	11.348	13.5	157	-0.02
67		Hexachlorobutadiene	10.000	12.305	23.0#	167	-0.01
68		1,2,4-Trichlorobenzene	10.000	10.513	5.1	163	-0.03
69		Naphthalene	10.000	10.367	3.7	160	0.00
70		1,2,3-Trichlorobenzene	10.000	10.770	7.7	165	0.00

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

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: 5973 MSK (5973K)

Initial Calibration ID: 1860

ICV ID: 2SRC-25407

CCV #1 ID: CCV-25423

CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Data File : C:\HPCHEM\1\DATA\K2031.D
Acq On : 15 Mar 2013 8:59
Sample : CCV-25423
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 30
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Mar 14 09:17:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	144	0.00
2		Dichlorodifluoromethane	0.333	0.313	-6.0	130	0.00
3	P	Chloromethane	0.353	0.366	3.7	149	0.00
4	CP	Vinyl chloride	0.278	0.321	15.5	159	0.00
5		Bromomethane	0.084	0.085	1.2	136	0.00
6		Chloroethane	0.192	0.199	3.6	141	0.01
7		Trichlorofluoromethane	0.349	0.308	-11.7	123	0.01
8	CPM	1,1-Dichloroethene	0.237	0.210	-11.4	123	0.01
9		Methylene chloride	0.298	0.258	-13.4	134	0.00
10		Acetone	0.027	0.031	14.8	165	0.00
11		trans-1,2-Dichloroethene	0.257	0.226	-12.1	122	0.00
12		Methyl tert-Butyl ether	0.484	0.470	-2.9	135	0.00
13	P	1,1-Dichloroethane	0.466	0.483	3.6	144	0.00
14		cis-1,2-Dichloroethene	0.272	0.256	-5.9	131	0.01
15		2,2-Dichloropropane	0.366	0.365	-0.3	138	0.00
16		Bromochloromethane	0.085	0.083	-2.4	124	0.00
17	CP	Chloroform	0.450	0.427	-5.1	133	0.00
18		Carbon tetrachloride	0.269	0.228	-15.2	118	0.01
19		1,1,1-Trichloroethane	0.360	0.326	-9.4	127	0.00
20		2-Butanone	0.049	0.059	20.4#	171	0.00
21		1,1-Dichloropropene	0.370	0.349	-5.7	130	0.00
22	M	Benzene	1.103	1.094	-0.8	139	0.00
23	S	1,2-Dichloroethane-d4	0.211	0.203	-3.8	133	0.00
24		1,2-Dichloroethane	0.242	0.237	-2.1	136	0.00
25	M	Trichloroethene	0.263	0.240	-8.7	128	0.00
26		Dibromomethane	0.105	0.098	-6.7	128	0.00
27	CP	1,2-Dichloropropane	0.273	0.294	7.7	151	0.00
28		Bromodichloromethane	0.292	0.285	-2.4	134	0.00
29		cis-1,3-Dichloropropene	0.381	0.389	2.1	139	0.00
30	CPM	Toluene	0.652	0.639	-2.0	138	0.00
31		4-Methyl-2-pentanone	0.116	0.140	20.7#	168	0.00
32		trans-1,3-Dichloropropene	0.286	0.295	3.1	138	0.00
33		1,1,2-Trichloroethane	0.140	0.143	2.1	141	0.00
34	I	Chlorobenzene-d5	1.000	1.000	0.0	147	0.00
35	S	Toluene-d8	2.355	2.062	-12.4	134	0.01
36		Tetrachloroethene	0.508	0.457	-10.0	132	0.00
37		Dibromochloromethane	0.374	0.337	-9.9	126	0.00
38		1,3-Dichloropropane	0.712	0.715	0.4	143	0.00
39		1,2-Dibromoethane	0.341	0.318	-6.7	130	0.00
40		1-Chlorohexane	0.863	0.851	-1.4	140	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2031.D
Acq On : 15 Mar 2013 8:59
Sample : CCV-25423
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 30
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Mar 14 09:17:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	1.653	1.544	-6.6	137	0.00
42	CP	Ethylbenzene	2.935	2.792	-4.9	139	0.01
43		1,1,1,2-Tetrachloroethane	0.464	0.425	-8.4	131	0.00
44		(m+p)-Xylene	1.037	0.954	-8.0	137	0.00
45		o-Xylene	1.021	0.962	-5.8	141	0.00
46		Styrene	1.600	1.527	-4.6	139	0.00
47	P	Bromoform	0.156	0.152	-2.6	133	0.00
48	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	145	0.00
49		Isopropylbenzene	4.219	4.383	3.9	139	0.00
50	S	Bromofluorobenzene	0.871	0.892	2.4	145	0.00
51		Bromobenzene	0.960	0.997	3.9	140	0.00
52		n-Propylbenzene	4.896	5.133	4.8	142	0.00
53	P	1,1,2,2-Tetrachloroethane	0.733	0.837	14.2	149	0.00
54		2-Chlorotoluene	3.558	3.626	1.9	140	0.00
55		1,3,5-Trimethylbenzene	2.557	2.488	-2.7	140	0.00
56		1,2,3-Trichloropropane	0.171	0.189	10.5	137	0.00
57		4-Chlorotoluene	3.061	3.112	1.7	141	0.00
58		tert-Butylbenzene	2.534	2.536	0.1	140	0.00
59		1,2,4-Trimethylbenzene	2.185	2.110	-3.4	137	0.00
60		sec-Butylbenzene	3.676	3.834	4.3	142	0.00
61		p-Isopropyltoluene	2.420	2.413	-0.3	140	0.00
62		1,3-Dichlorobenzene	1.661	1.688	1.6	142	0.00
63		1,4-Dichlorobenzene	1.591	1.567	-1.5	140	0.00
64		n-Butylbenzene	1.903	2.066	8.6	147	0.00
65		1,2-Dichlorobenzene	1.392	1.459	4.8	145	0.00
66		1,2-Dibromo-3-chloropropane	0.087	0.101	16.1	156	0.00
67		Hexachlorobutadiene	0.258	0.322	24.8#	165	0.00
68		1,2,4-Trichlorobenzene	0.345	0.364	5.5	145	0.00
69		Naphthalene	0.485	0.476	-1.9	135	0.00
70		1,2,3-Trichlorobenzene	0.243	0.255	4.9	139	0.00

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

Data File : C:\HPCHEM\1\DATA\K2031.D
Acq On : 15 Mar 2013 8:59
Sample : CCV-25423
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 30
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Mar 14 09:17:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	144	0.00
2		Dichlorodifluoromethane	10.000	9.394	-6.1	130	0.00
3	P	Chloromethane	10.000	10.359	3.6	149	0.00
4	CP	Vinyl chloride	10.000	11.555	15.5	159	0.00
5		Bromomethane	10.000	9.099	-9.0	136	0.00
6		Chloroethane	10.000	10.363	3.6	141	0.01
7		Trichlorofluoromethane	10.000	8.806	-11.9	123	0.01
8	CPM	1,1-Dichloroethene	10.000	8.857	-11.4	123	0.01
9		Methylene chloride	10.000	9.500	-5.0	134	0.00
10		Acetone	20.000	23.076	15.4	165	0.00
11		trans-1,2-Dichloroethene	10.000	8.797	-12.0	122	0.00
12		Methyl tert-Butyl ether	10.000	9.714	-2.9	135	0.00
13	P	1,1-Dichloroethane	10.000	10.376	3.8	144	0.00
14		cis-1,2-Dichloroethene	10.000	9.416	-5.8	131	0.01
15		2,2-Dichloropropane	10.000	9.960	-0.4	138	0.00
16		Bromochloromethane	10.000	9.663	-3.4	124	0.00
17	CP	Chloroform	10.000	9.483	-5.2	133	0.00
18		Carbon tetrachloride	10.000	8.482	-15.2	118	0.01
19		1,1,1-Trichloroethane	10.000	9.053	-9.5	127	0.00
20		2-Butanone	20.000	24.241	21.2#	171	0.00
21		1,1-Dichloropropene	10.000	9.410	-5.9	130	0.00
22	M	Benzene	10.000	9.923	-0.8	139	0.00
23	S	1,2-Dichloroethane-d4	10.000	9.402	-6.0	133	0.00
24		1,2-Dichloroethane	10.000	9.768	-2.3	136	0.00
25	M	Trichloroethene	10.000	9.125	-8.8	128	0.00
26		Dibromomethane	10.000	9.394	-6.1	128	0.00
27	CP	1,2-Dichloropropane	10.000	10.780	7.8	151	0.00
28		Bromodichloromethane	10.000	9.770	-2.3	134	0.00
29		cis-1,3-Dichloropropene	10.000	10.210	2.1	139	0.00
30	CPM	Toluene	10.000	9.791	-2.1	138	0.00
31		4-Methyl-2-pentanone	20.000	24.182	20.9#	168	0.00
32		trans-1,3-Dichloropropene	10.000	10.322	3.2	138	0.00
33		1,1,2-Trichloroethane	10.000	10.197	2.0	141	0.00
34	I	Chlorobenzene-d5	10.000	10.000	0.0	147	0.00
35	S	Toluene-d8	10.000	8.755	-12.4	134	0.01
36		Tetrachloroethene	10.000	8.986	-10.1	132	0.00
37		Dibromochloromethane	10.000	9.029	-9.7	126	0.00
38		1,3-Dichloropropane	10.000	10.041	0.4	143	0.00
39		1,2-Dibromoethane	10.000	9.340	-6.6	130	0.00
40		1-Chlorohexane	10.000	9.860	-1.4	140	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2031.D
Acq On : 15 Mar 2013 8:59
Sample : CCV-25423
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 30
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Mar 14 09:17:53 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	10.000	9.340	-6.6	137	0.00
42	CP	Ethylbenzene	10.000	9.514	-4.9	139	0.01
43		1,1,1,2-Tetrachloroethane	10.000	9.153	-8.5	131	0.00
44		(m+p)-Xylene	20.000	18.388	-8.1	137	0.00
45		o-Xylene	10.000	9.420	-5.8	141	0.00
46		Styrene	10.000	9.545	-4.6	139	0.00
47	P	Bromoform	10.000	8.741	-12.6	133	0.00
48	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	145	0.00
49		Isopropylbenzene	10.000	10.389	3.9	139	0.00
50	S	Bromofluorobenzene	10.000	10.243	2.4	145	0.00
51		Bromobenzene	10.000	10.389	3.9	140	0.00
52		n-Propylbenzene	10.000	10.484	4.8	142	0.00
53	P	1,1,2,2-Tetrachloroethane	10.000	11.412	14.1	149	0.00
54		2-Chlorotoluene	10.000	10.190	1.9	140	0.00
55		1,3,5-Trimethylbenzene	10.000	9.732	-2.7	140	0.00
56		1,2,3-Trichloropropane	10.000	11.029	10.3	137	0.00
57		4-Chlorotoluene	10.000	10.168	1.7	141	0.00
58		tert-Butylbenzene	10.000	10.006	0.1	140	0.00
59		1,2,4-Trimethylbenzene	10.000	9.659	-3.4	137	0.00
60		sec-Butylbenzene	10.000	10.429	4.3	142	0.00
61		p-Isopropyltoluene	10.000	9.972	-0.3	140	0.00
62		1,3-Dichlorobenzene	10.000	10.164	1.6	142	0.00
63		1,4-Dichlorobenzene	10.000	9.845	-1.5	140	0.00
64		n-Butylbenzene	10.000	10.857	8.6	147	0.00
65		1,2-Dichlorobenzene	10.000	10.478	4.8	145	0.00
66		1,2-Dibromo-3-chloropropane	10.000	11.592	15.9	156	0.00
67		Hexachlorobutadiene	10.000	12.464	24.6#	165	0.00
68		1,2,4-Trichlorobenzene	10.000	9.631	-3.7	145	0.00
69		Naphthalene	10.000	8.985	-10.2	135	0.00
70		1,2,3-Trichlorobenzene	10.000	9.300	-7.0	139	0.00

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

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25407
Initial Calibration ID:	1860	**File ID:**	K2010.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25407
Initial Calibration ID:	1860	**File ID:**	K2010.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.370	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	98	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25407
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25407
Initial Calibration ID:	1860	**File ID:**	K2010.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	339194	141409 - 565636	
Chlorobenzene-d5	695606	272627 - 1090508	
Fluorobenzene	1761523	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25423
Initial Calibration ID:	1860	**File ID:**	K2035.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25423
Initial Calibration ID:	1860	**File ID:**	K2035.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.210	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	100	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	96	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25423
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25423
Initial Calibration ID:	1860	**File ID:**	K2035.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	318614	141409 - 565636	
Chlorobenzene-d5	652022	272627 - 1090508	
Fluorobenzene	1599508	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25407 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2004.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.0	95	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.59	96	81 - 129	
1,1,1-Trichloroethane	10	8.46	85	67 - 132	
1,1,2,2-Tetrachloroethane	10	10.6	106	63 - 128	
1,1,2-Trichloroethane	10	10.0	100	75 - 125	
1,1-Dichloroethane	10	10.1	101	69 - 133	
1,1-Dichloroethene	10	8.97	90	68 - 130	
1,1-Dichloropropene	10	9.20	92	73 - 132	
1,2,3-Trichlorobenzene	10	10.3	103	67 - 137	
1,2,3-Trichloropropane	10	10.2	102	73 - 124	
1,2,4-Trichlorobenzene	10	10.0	100	66 - 134	
1,2,4-Trimethylbenzene	10	9.77	98	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.5	115	50 - 132	
1,2-Dibromoethane	10	9.69	97	80 - 121	
1,2-Dichlorobenzene	10	10.3	103	71 - 122	
1,2-Dichloroethane	10	9.22	92	69 - 132	
1,2-Dichloropropane	10	10.2	102	75 - 125	
1,3,5-Trimethylbenzene	10	9.40	94	74 - 131	
1,3-Dichlorobenzene	10	9.91	99	75 - 124	
1,3-Dichloropropane	10	9.97	100	73 - 126	
1,4-Dichlorobenzene	10	9.96	100	74 - 123	
1-Chlorohexane	10	10.0	101	70 - 125	
2,2-Dichloropropane	10	9.55	96	69 - 137	
2-Butanone	20	20.9	104	49 - 136	
2-Chlorotoluene	10	9.64	96	73 - 126	
4-Chlorotoluene	10	9.49	95	74 - 128	
4-Methyl-2-pentanone	20	21.6	108	58 - 134	
Acetone	20	21.7	108	40 - 135	
Benzene	10	9.53	95	81 - 122	
Bromobenzene	10	9.83	98	76 - 124	
Bromochloromethane	10	9.90	99	65 - 129	
Bromodichloromethane	10	9.34	93	76 - 121	
Bromoform	10	9.03	90	69 - 128	
Bromomethane	10	11.1	111	30 - 141	
Carbon tetrachloride	10	8.26	83	66 - 138	
Chlorobenzene	10	9.73	97	81 - 122	
Chloroethane	10	9.91	99	58 - 133	
Chloroform	10	9.02	90	69 - 128	
Chloromethane	10	10.5	105	56 - 131	
cis-1,2-Dichloroethene	10	9.45	94	72 - 126	
cis-1,3-Dichloropropene	10	9.94	99	69 - 131	
Dibromochloromethane	10	9.08	91	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25407 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2004.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.33	93	76 - 125	
Dichlorodifluoromethane	10	10.0	100	30 - 153	
Ethylbenzene	10	9.53	95	73 - 127	
Hexachlorobutadiene	10	11.7	117	67 - 131	
Isopropylbenzene	10	10.8	108	75 - 127	
Methyl tert-butyl ether	10	9.65	97	65 - 123	
Methylene chloride	10	9.66	97	63 - 137	
n-Butylbenzene	10	10.4	104	69 - 137	
n-Propylbenzene	10	10.0	100	72 - 129	
Naphthalene	10	9.75	98	54 - 138	
o-Xylene	10	9.61	96	80 - 121	
p-Isopropyltoluene	10	9.72	97	73 - 130	
sec-Butylbenzene	10	9.82	98	72 - 127	
Styrene	10	9.71	97	65 - 134	
tert-Butylbenzene	10	9.64	96	70 - 129	
Tetrachloroethene	10	9.37	94	66 - 128	
Toluene	10	9.86	99	77 - 122	
trans-1,2-Dichloroethene	10	9.11	91	63 - 137	
trans-1,3-Dichloropropene	10	10.3	103	59 - 135	
Trichloroethene	10	9.01	90	70 - 127	
Trichlorofluoromethane	10	9.00	90	57 - 129	
Vinyl chloride	10	11.1	111	50 - 134	
Xylenes (total)	30	28.6	95	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	96	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	424569	141409 - 565636	
Chlorobenzene-d5	781886	272627 - 1090508	
Fluorobenzene	1909955	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25407 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2006.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.2	96	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.69	97	81 - 129	
1,1,1-Trichloroethane	10	8.56	86	67 - 132	
1,1,2,2-Tetrachloroethane	10	10.4	104	63 - 128	
1,1,2-Trichloroethane	10	9.76	98	75 - 125	
1,1-Dichloroethane	10	10.0	101	69 - 133	
1,1-Dichloroethene	10	8.95	90	68 - 130	
1,1-Dichloropropene	10	9.21	92	73 - 132	
1,2,3-Trichlorobenzene	10	10.2	102	67 - 137	
1,2,3-Trichloropropane	10	10.1	101	73 - 124	
1,2,4-Trichlorobenzene	10	10.1	101	66 - 134	
1,2,4-Trimethylbenzene	10	9.92	99	74 - 132	
1,2-Dibromo-3-chloropropane	10	10.6	106	50 - 132	
1,2-Dibromoethane	10	9.66	97	80 - 121	
1,2-Dichlorobenzene	10	10.3	103	71 - 122	
1,2-Dichloroethane	10	9.23	92	69 - 132	
1,2-Dichloropropane	10	10.1	101	75 - 125	
1,3,5-Trimethylbenzene	10	9.54	95	74 - 131	
1,3-Dichlorobenzene	10	10.0	100	75 - 124	
1,3-Dichloropropane	10	9.99	100	73 - 126	
1,4-Dichlorobenzene	10	9.92	99	74 - 123	
1-Chlorohexane	10	10.0	100	70 - 125	
2,2-Dichloropropane	10	9.41	94	69 - 137	
2-Butanone	20	19.2	96	49 - 136	
2-Chlorotoluene	10	9.81	98	73 - 126	
4-Chlorotoluene	10	9.68	97	74 - 128	
4-Methyl-2-pentanone	20	20.3	102	58 - 134	
Acetone	20	19.8	99	40 - 135	
Benzene	10	9.58	96	81 - 122	
Bromobenzene	10	9.90	99	76 - 124	
Bromochloromethane	10	9.83	98	65 - 129	
Bromodichloromethane	10	9.20	92	76 - 121	
Bromoform	10	8.81	88	69 - 128	
Bromomethane	10	11.6	116	30 - 141	
Carbon tetrachloride	10	8.36	84	66 - 138	
Chlorobenzene	10	9.78	98	81 - 122	
Chloroethane	10	10.0	101	58 - 133	
Chloroform	10	9.05	90	69 - 128	
Chloromethane	10	10.8	108	56 - 131	
cis-1,2-Dichloroethene	10	9.45	94	72 - 126	
cis-1,3-Dichloropropene	10	9.74	97	69 - 131	
Dibromochloromethane	10	9.10	91	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25407 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2006.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.21	92	76 - 125	
Dichlorodifluoromethane	10	10.2	102	30 - 153	
Ethylbenzene	10	9.63	96	73 - 127	
Hexachlorobutadiene	10	11.6	116	67 - 131	
Isopropylbenzene	10	11.0	110	75 - 127	
Methyl tert-butyl ether	10	9.39	94	65 - 123	
Methylene chloride	10	9.59	96	63 - 137	
n-Butylbenzene	10	10.5	105	69 - 137	
n-Propylbenzene	10	10.2	102	72 - 129	
Naphthalene	10	9.48	95	54 - 138	
o-Xylene	10	9.74	97	80 - 121	
p-Isopropyltoluene	10	10.0	100	73 - 130	
sec-Butylbenzene	10	9.91	99	72 - 127	
Styrene	10	9.84	98	65 - 134	
tert-Butylbenzene	10	9.78	98	70 - 129	
Tetrachloroethene	10	9.47	95	66 - 128	
Toluene	10	9.79	98	77 - 122	
trans-1,2-Dichloroethene	10	9.10	91	63 - 137	
trans-1,3-Dichloropropene	10	10.0	100	59 - 135	
Trichloroethene	10	8.96	90	70 - 127	
Trichlorofluoromethane	10	9.17	92	57 - 129	
Vinyl chloride	10	11.4	114	50 - 134	
Xylenes (total)	30	28.9	96	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	97	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	416854	141409 - 565636	
Chlorobenzene-d5	770961	272627 - 1090508	
Fluorobenzene	1922544	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25423 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2032.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.2	96	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.57	96	81 - 129	
1,1,1-Trichloroethane	10	8.73	87	67 - 132	
1,1,2,2-Tetrachloroethane	10	10.8	108	63 - 128	
1,1,2-Trichloroethane	10	10.4	104	75 - 125	
1,1-Dichloroethane	10	10.3	103	69 - 133	
1,1-Dichloroethene	10	8.90	89	68 - 130	
1,1-Dichloropropene	10	9.38	94	73 - 132	
1,2,3-Trichlorobenzene	10	10.6	106	67 - 137	
1,2,3-Trichloropropane	10	10.4	104	73 - 124	
1,2,4-Trichlorobenzene	10	10.2	102	66 - 134	
1,2,4-Trimethylbenzene	10	10.2	102	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.0	110	50 - 132	
1,2-Dibromoethane	10	9.76	98	80 - 121	
1,2-Dichlorobenzene	10	10.4	104	71 - 122	
1,2-Dichloroethane	10	9.57	96	69 - 132	
1,2-Dichloropropane	10	10.6	106	75 - 125	
1,3,5-Trimethylbenzene	10	9.81	98	74 - 131	
1,3-Dichlorobenzene	10	10.0	100	75 - 124	
1,3-Dichloropropane	10	10.3	103	73 - 126	
1,4-Dichlorobenzene	10	9.98	100	74 - 123	
1-Chlorohexane	10	10.0	100	70 - 125	
2,2-Dichloropropane	10	9.41	94	69 - 137	
2-Butanone	20	19.9	100	49 - 136	
2-Chlorotoluene	10	9.92	99	73 - 126	
4-Chlorotoluene	10	9.88	99	74 - 128	
4-Methyl-2-pentanone	20	22.1	111	58 - 134	
Acetone	20	19.5	98	40 - 135	
Benzene	10	9.83	98	81 - 122	
Bromobenzene	10	9.79	98	76 - 124	
Bromochloromethane	10	9.84	98	65 - 129	
Bromodichloromethane	10	9.53	95	76 - 121	
Bromoform	10	8.94	89	69 - 128	
Bromomethane	10	10.5	105	30 - 141	
Carbon tetrachloride	10	8.39	84	66 - 138	
Chlorobenzene	10	9.77	98	81 - 122	
Chloroethane	10	10.3	103	58 - 133	
Chloroform	10	9.24	92	69 - 128	
Chloromethane	10	10.8	108	56 - 131	
cis-1,2-Dichloroethene	10	9.58	96	72 - 126	
cis-1,3-Dichloropropene	10	10.1	101	69 - 131	
Dibromochloromethane	10	9.12	91	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25423 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2032.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.36	94	76 - 125	
Dichlorodifluoromethane	10	10.1	101	30 - 153	
Ethylbenzene	10	9.70	97	73 - 127	
Hexachlorobutadiene	10	12.0	120	67 - 131	
Isopropylbenzene	10	11.2	112	75 - 127	
Methyl tert-butyl ether	10	9.86	99	65 - 123	
Methylene chloride	10	9.50	95	63 - 137	
n-Butylbenzene	10	10.8	108	69 - 137	
n-Propylbenzene	10	10.4	104	72 - 129	
Naphthalene	10	9.92	99	54 - 138	
o-Xylene	10	9.73	97	80 - 121	
p-Isopropyltoluene	10	10.0	100	73 - 130	
sec-Butylbenzene	10	10.1	101	72 - 127	
Styrene	10	9.87	99	65 - 134	
tert-Butylbenzene	10	9.91	99	70 - 129	
Tetrachloroethene	10	9.15	92	66 - 128	
Toluene	10	9.95	100	77 - 122	
trans-1,2-Dichloroethene	10	9.15	92	63 - 137	
trans-1,3-Dichloropropene	10	10.3	103	59 - 135	
Trichloroethene	10	9.10	91	70 - 127	
Trichlorofluoromethane	10	9.30	93	57 - 129	
Vinyl chloride	10	11.8	118	50 - 134	
Xylenes (total)	30	28.9	96	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	99	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	400387	141409 - 565636	
Chlorobenzene-d5	743867	272627 - 1090508	
Fluorobenzene	1808650	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25423 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2033.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.3	97	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.70	97	81 - 129	
1,1,1-Trichloroethane	10	8.70	87	67 - 132	
1,1,2,2-Tetrachloroethane	10	10.6	106	63 - 128	
1,1,2-Trichloroethane	10	10.3	103	75 - 125	
1,1-Dichloroethane	10	10.3	103	69 - 133	
1,1-Dichloroethene	10	8.90	89	68 - 130	
1,1-Dichloropropene	10	9.31	93	73 - 132	
1,2,3-Trichlorobenzene	10	10.8	108	67 - 137	
1,2,3-Trichloropropane	10	10.2	102	73 - 124	
1,2,4-Trichlorobenzene	10	10.5	105	66 - 134	
1,2,4-Trimethylbenzene	10	10.0	100	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.0	110	50 - 132	
1,2-Dibromoethane	10	9.74	97	80 - 121	
1,2-Dichlorobenzene	10	10.4	104	71 - 122	
1,2-Dichloroethane	10	9.55	96	69 - 132	
1,2-Dichloropropane	10	10.6	106	75 - 125	
1,3,5-Trimethylbenzene	10	9.60	96	74 - 131	
1,3-Dichlorobenzene	10	9.98	100	75 - 124	
1,3-Dichloropropane	10	10.2	102	73 - 126	
1,4-Dichlorobenzene	10	10.0	100	74 - 123	
1-Chlorohexane	10	10.0	100	70 - 125	
2,2-Dichloropropane	10	9.74	97	69 - 137	
2-Butanone	20	19.4	97	49 - 136	
2-Chlorotoluene	10	9.80	98	73 - 126	
4-Chlorotoluene	10	9.77	98	74 - 128	
4-Methyl-2-pentanone	20	22.0	110	58 - 134	
Acetone	20	19.6	98	40 - 135	
Benzene	10	9.76	98	81 - 122	
Bromobenzene	10	9.67	97	76 - 124	
Bromochloromethane	10	9.87	99	65 - 129	
Bromodichloromethane	10	9.55	96	76 - 121	
Bromoform	10	9.01	90	69 - 128	
Bromomethane	10	10.7	107	30 - 141	
Carbon tetrachloride	10	8.51	85	66 - 138	
Chlorobenzene	10	9.76	98	81 - 122	
Chloroethane	10	10.2	102	58 - 133	
Chloroform	10	9.20	92	69 - 128	
Chloromethane	10	10.7	107	56 - 131	
cis-1,2-Dichloroethene	10	9.54	95	72 - 126	
cis-1,3-Dichloropropene	10	10.2	102	69 - 131	
Dibromochloromethane	10	9.22	92	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25423 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2033.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.42	94	76 - 125	
Dichlorodifluoromethane	10	9.99	100	30 - 153	
Ethylbenzene	10	9.68	97	73 - 127	
Hexachlorobutadiene	10	12.5	125	67 - 131	
Isopropylbenzene	10	10.9	109	75 - 127	
Methyl tert-butyl ether	10	9.95	100	65 - 123	
Methylene chloride	10	9.51	95	63 - 137	
n-Butylbenzene	10	10.9	109	69 - 137	
n-Propylbenzene	10	10.2	102	72 - 129	
Naphthalene	10	10.3	103	54 - 138	
o-Xylene	10	9.73	97	80 - 121	
p-Isopropyltoluene	10	10.0	100	73 - 130	
sec-Butylbenzene	10	9.99	100	72 - 127	
Styrene	10	9.87	99	65 - 134	
tert-Butylbenzene	10	9.71	97	70 - 129	
Tetrachloroethene	10	9.09	91	66 - 128	
Toluene	10	10.0	100	77 - 122	
trans-1,2-Dichloroethene	10	9.06	91	63 - 137	
trans-1,3-Dichloropropene	10	10.4	104	59 - 135	
Trichloroethene	10	9.07	91	70 - 127	
Trichlorofluoromethane	10	9.27	93	57 - 129	
Vinyl chloride	10	11.3	113	50 - 134	
Xylenes (total)	30	29.0	97	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	98	72 - 119	
4-Bromofluorobenzene	103	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	419841	141409 - 565636	
Chlorobenzene-d5	767532	272627 - 1090508	
Fluorobenzene	1858149	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: 782VM105B36LA **MS ID:** K1303139-005CMS **MSD ID:** K1303139-005CMSD

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	18.8	94	19.0	95	1	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	9.57	96	9.48	95	1	81 - 129	20	
1,1,1-Trichloroethane		10.0	8.63	86	8.56	86	1	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	11.2	112	10.4	104	7	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.6	106	9.99	100	6	75 - 125	20	
1,1-Dichloroethane		10.0	10.2	102	9.97	100	2	69 - 133	20	
1,1-Dichloroethene		10.0	8.96	90	8.82	88	2	68 - 130	20	
1,1-Dichloropropene		10.0	9.29	93	9.25	92	0	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	11.0	110	10.7	107	3	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.8	108	10.1	101	7	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	10.4	104	10.4	104	0	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	9.62	96	9.79	98	2	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	11.6	116	11.0	110	5	50 - 132	20	
1,2-Dibromoethane		10.0	10.1	101	9.50	95	6	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.5	105	10.3	103	2	71 - 122	20	
1,2-Dichloroethane		10.0	9.82	98	9.19	92	7	69 - 132	20	
1,2-Dichloropropane		10.0	10.4	104	10.2	102	1	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.19	92	9.40	94	2	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.87	99	9.91	99	0	75 - 124	20	
1,3-Dichloropropane		10.0	10.4	104	9.96	100	5	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.89	99	9.97	100	1	74 - 123	20	
1-Chlorohexane		10.0	9.81	98	9.80	98	0	70 - 125	20	
2,2-Dichloropropane		10.0	9.39	94	8.98	90	4	69 - 137	20	
2-Butanone		20.0	22.0	110	19.8	99	10	49 - 136	20	
2-Chlorotoluene		10.0	9.50	95	9.61	96	1	73 - 126	20	
4-Chlorotoluene		10.0	9.52	95	9.61	96	1	74 - 128	20	
4-Methyl-2-pentanone		20.0	23.6	118	21.6	108	9	58 - 134	20	
Acetone	4.12	20.0	28.3	121	24.6	103	14	40 - 135	20	
Benzene		10.0	9.67	97	9.58	96	1	81 - 122	20	
Bromobenzene		10.0	9.86	99	9.76	98	1	76 - 124	20	
Bromochloromethane		10.0	10.2	103	9.63	96	6	65 - 129	20	
Bromodichloromethane		10.0	9.60	96	9.24	92	4	76 - 121	20	
Bromoform		10.0	9.31	93	8.67	87	7	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: 782VM105B36LA **MS ID:** K1303139-005CMS **MSD ID:** K1303139-005CMSD

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	10.5	105	9.59	96	9	30 - 141	20	
Carbon tetrachloride		10.0	8.37	84	8.23	82	2	66 - 138	20	
Chlorobenzene		10.0	9.75	98	9.66	97	1	81 - 122	20	
Chloroethane		10.0	10.2	102	10.0	100	2	58 - 133	20	
Chloroform		10.0	9.24	92	8.96	90	3	69 - 128	20	
Chloromethane		10.0	10.8	108	10.8	108	0	56 - 131	20	
cis-1,2-Dichloroethene	2.06	10.0	11.8	98	11.6	95	2	72 - 126	20	
cis-1,3-Dichloropropene		10.0	10.1	101	9.70	97	4	69 - 131	20	
Dibromochloromethane		10.0	9.42	94	8.93	89	5	66 - 133	20	
Dibromomethane		10.0	9.86	99	9.23	92	7	76 - 125	20	
Dichlorodifluoromethane		10.0	9.95	100	10.1	101	2	30 - 153	20	
Ethylbenzene		10.0	9.51	95	9.56	96	1	73 - 127	20	
Hexachlorobutadiene		10.0	11.4	114	11.7	117	2	67 - 131	20	
Isopropylbenzene		10.0	10.7	107	10.8	108	1	75 - 127	20	
Methyl tert-butyl ether		10.0	10.4	104	9.57	96	8	65 - 123	20	
Methylene chloride		10.0	9.18	92	8.97	90	2	63 - 137	20	
n-Butylbenzene		10.0	10.2	103	10.4	104	2	69 - 137	20	
n-Propylbenzene		10.0	9.89	99	10.0	100	1	72 - 129	20	
Naphthalene		10.0	10.6	106	10.2	102	4	54 - 138	20	
o-Xylene		10.0	9.45	94	9.65	97	2	80 - 121	20	
p-Isopropyltoluene		10.0	9.63	96	9.80	98	2	73 - 130	20	
sec-Butylbenzene		10.0	9.79	98	9.95	100	2	72 - 127	20	
Styrene		10.0	9.74	97	9.73	97	0	65 - 134	20	
tert-Butylbenzene		10.0	9.52	95	9.55	96	0	70 - 129	20	
Tetrachloroethene	0.390	10.0	9.58	92	9.70	93	1	66 - 128	20	
Toluene		10.0	9.82	98	9.92	99	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	9.17	92	8.97	90	2	63 - 137	20	
trans-1,3-Dichloropropene		10.0	10.6	106	9.97	100	6	59 - 135	20	
Trichloroethene	23.2	10.0	34.0	108	34.3	111	1	70 - 127	20	
Trichlorofluoromethane		10.0	9.15	92	9.12	91	0	57 - 129	20	
Vinyl chloride		10.0	11.5	115	11.4	114	1	50 - 134	20	
Xylenes (total)		30.0	28.2	94	28.6	95	1	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25407 **MS ID:** LCS-25407 **MSD ID:** LCSD-25407

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	19.0	95	19.2	96	1	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	9.59	96	9.69	97	1	81 - 129	20	
1,1,1-Trichloroethane		10.0	8.46	85	8.56	86	1	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	10.6	106	10.4	104	2	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.0	100	9.76	98	2	75 - 125	20	
1,1-Dichloroethane		10.0	10.1	101	10.0	101	0	69 - 133	20	
1,1-Dichloroethene		10.0	8.97	90	8.95	90	0	68 - 130	20	
1,1-Dichloropropene		10.0	9.20	92	9.21	92	0	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	10.3	103	10.2	102	1	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.2	102	10.1	101	1	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	10.0	100	10.1	101	0	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	9.77	98	9.92	99	2	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	11.5	115	10.6	106	8	50 - 132	20	
1,2-Dibromoethane		10.0	9.69	97	9.66	97	0	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.3	103	10.3	103	0	71 - 122	20	
1,2-Dichloroethane		10.0	9.22	92	9.23	92	0	69 - 132	20	
1,2-Dichloropropane		10.0	10.2	102	10.1	101	1	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.40	94	9.54	95	1	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.91	99	10.0	100	1	75 - 124	20	
1,3-Dichloropropane		10.0	9.97	100	9.99	100	0	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.96	100	9.92	99	0	74 - 123	20	
1-Chlorohexane		10.0	10.0	101	10.0	100	0	70 - 125	20	
2,2-Dichloropropane		10.0	9.55	96	9.41	94	1	69 - 137	20	
2-Butanone		20.0	20.9	104	19.2	96	8	49 - 136	20	
2-Chlorotoluene		10.0	9.64	96	9.81	98	2	73 - 126	20	
4-Chlorotoluene		10.0	9.49	95	9.68	97	2	74 - 128	20	
4-Methyl-2-pentanone		20.0	21.6	108	20.3	102	6	58 - 134	20	
Acetone		20.0	21.7	108	19.8	99	9	40 - 135	20	
Benzene		10.0	9.53	95	9.58	96	1	81 - 122	20	
Bromobenzene		10.0	9.83	98	9.90	99	1	76 - 124	20	
Bromochloromethane		10.0	9.90	99	9.83	98	1	65 - 129	20	
Bromodichloromethane		10.0	9.34	93	9.20	92	2	76 - 121	20	
Bromoform		10.0	9.03	90	8.81	88	2	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25407 **MS ID:** LCS-25407 **MSD ID:** LCSD-25407

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	11.1	111	11.6	116	4	30 - 141	20	
Carbon tetrachloride		10.0	8.26	83	8.36	84	1	66 - 138	20	
Chlorobenzene		10.0	9.73	97	9.78	98	1	81 - 122	20	
Chloroethane		10.0	9.91	99	10.0	101	1	58 - 133	20	
Chloroform		10.0	9.02	90	9.05	90	0	69 - 128	20	
Chloromethane		10.0	10.5	105	10.8	108	3	56 - 131	20	
cis-1,2-Dichloroethene		10.0	9.45	94	9.45	94	0	72 - 126	20	
cis-1,3-Dichloropropene		10.0	9.94	99	9.74	97	2	69 - 131	20	
Dibromochloromethane		10.0	9.08	91	9.10	91	0	66 - 133	20	
Dibromomethane		10.0	9.33	93	9.21	92	1	76 - 125	20	
Dichlorodifluoromethane		10.0	10.0	100	10.2	102	1	30 - 153	20	
Ethylbenzene		10.0	9.53	95	9.63	96	1	73 - 127	20	
Hexachlorobutadiene		10.0	11.7	117	11.6	116	1	67 - 131	20	
Isopropylbenzene		10.0	10.8	108	11.0	110	2	75 - 127	20	
Methyl tert-butyl ether		10.0	9.65	97	9.39	94	3	65 - 123	20	
Methylene chloride		10.0	9.66	97	9.59	96	1	63 - 137	20	
n-Butylbenzene		10.0	10.4	104	10.5	105	1	69 - 137	20	
n-Propylbenzene		10.0	10.0	100	10.2	102	2	72 - 129	20	
Naphthalene		10.0	9.75	98	9.48	95	3	54 - 138	20	
o-Xylene		10.0	9.61	96	9.74	97	1	80 - 121	20	
p-Isopropyltoluene		10.0	9.72	97	10.0	100	3	73 - 130	20	
sec-Butylbenzene		10.0	9.82	98	9.91	99	1	72 - 127	20	
Styrene		10.0	9.71	97	9.84	98	1	65 - 134	20	
tert-Butylbenzene		10.0	9.64	96	9.78	98	1	70 - 129	20	
Tetrachloroethene		10.0	9.37	94	9.47	95	1	66 - 128	20	
Toluene		10.0	9.86	99	9.79	98	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	9.11	91	9.10	91	0	63 - 137	20	
trans-1,3-Dichloropropene		10.0	10.3	103	10.0	100	3	59 - 135	20	
Trichloroethene		10.0	9.01	90	8.96	90	1	70 - 127	20	
Trichlorofluoromethane		10.0	9.00	90	9.17	92	2	57 - 129	20	
Vinyl chloride		10.0	11.1	111	11.4	114	2	50 - 134	20	
Xylenes (total)		30.0	28.6	95	28.9	96	1	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25423 **MS ID:** LCS-25423 **MSD ID:** LCSD-25423

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	19.2	96	19.3	97	1	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	9.57	96	9.70	97	1	81 - 129	20	
1,1,1-Trichloroethane		10.0	8.73	87	8.70	87	0	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	10.8	108	10.6	106	1	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.4	104	10.3	103	1	75 - 125	20	
1,1-Dichloroethane		10.0	10.3	103	10.3	103	1	69 - 133	20	
1,1-Dichloroethene		10.0	8.90	89	8.90	89	0	68 - 130	20	
1,1-Dichloropropene		10.0	9.38	94	9.31	93	1	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	10.6	106	10.8	108	2	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.4	104	10.2	102	2	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	10.2	102	10.5	105	3	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	10.2	102	10.0	100	2	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	11.0	110	11.0	110	0	50 - 132	20	
1,2-Dibromoethane		10.0	9.76	98	9.74	97	0	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.4	104	10.4	104	0	71 - 122	20	
1,2-Dichloroethane		10.0	9.57	96	9.55	96	0	69 - 132	20	
1,2-Dichloropropane		10.0	10.6	106	10.6	106	0	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.81	98	9.60	96	2	74 - 131	20	
1,3-Dichlorobenzene		10.0	10.0	100	9.98	100	1	75 - 124	20	
1,3-Dichloropropane		10.0	10.3	103	10.2	102	1	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.98	100	10.0	100	1	74 - 123	20	
1-Chlorohexane		10.0	10.0	100	10.0	100	0	70 - 125	20	
2,2-Dichloropropane		10.0	9.41	94	9.74	97	3	69 - 137	20	
2-Butanone		20.0	19.9	100	19.4	97	2	49 - 136	20	
2-Chlorotoluene		10.0	9.92	99	9.80	98	1	73 - 126	20	
4-Chlorotoluene		10.0	9.88	99	9.77	98	1	74 - 128	20	
4-Methyl-2-pentanone		20.0	22.1	111	22.0	110	1	58 - 134	20	
Acetone		20.0	19.5	98	19.6	98	0	40 - 135	20	
Benzene		10.0	9.83	98	9.76	98	1	81 - 122	20	
Bromobenzene		10.0	9.79	98	9.67	97	1	76 - 124	20	
Bromochloromethane		10.0	9.84	98	9.87	99	0	65 - 129	20	
Bromodichloromethane		10.0	9.53	95	9.55	96	0	76 - 121	20	
Bromoform		10.0	8.94	89	9.01	90	1	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25423 **MS ID:** LCS-25423 **MSD ID:** LCSD-25423

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	10.5	105	10.7	107	2	30 - 141	20	
Carbon tetrachloride		10.0	8.39	84	8.51	85	1	66 - 138	20	
Chlorobenzene		10.0	9.77	98	9.76	98	0	81 - 122	20	
Chloroethane		10.0	10.3	103	10.2	102	1	58 - 133	20	
Chloroform		10.0	9.24	92	9.20	92	0	69 - 128	20	
Chloromethane		10.0	10.8	108	10.7	107	1	56 - 131	20	
cis-1,2-Dichloroethene		10.0	9.58	96	9.54	95	0	72 - 126	20	
cis-1,3-Dichloropropene		10.0	10.1	101	10.2	102	1	69 - 131	20	
Dibromochloromethane		10.0	9.12	91	9.22	92	1	66 - 133	20	
Dibromomethane		10.0	9.36	94	9.42	94	1	76 - 125	20	
Dichlorodifluoromethane		10.0	10.1	101	9.99	100	1	30 - 153	20	
Ethylbenzene		10.0	9.70	97	9.68	97	0	73 - 127	20	
Hexachlorobutadiene		10.0	12.0	120	12.5	125	4	67 - 131	20	
Isopropylbenzene		10.0	11.2	112	10.9	109	2	75 - 127	20	
Methyl tert-butyl ether		10.0	9.86	99	9.95	100	1	65 - 123	20	
Methylene chloride		10.0	9.50	95	9.51	95	0	63 - 137	20	
n-Butylbenzene		10.0	10.8	108	10.9	109	1	69 - 137	20	
n-Propylbenzene		10.0	10.4	104	10.2	102	1	72 - 129	20	
Naphthalene		10.0	9.92	99	10.3	103	4	54 - 138	20	
o-Xylene		10.0	9.73	97	9.73	97	0	80 - 121	20	
p-Isopropyltoluene		10.0	10.0	100	10.0	100	0	73 - 130	20	
sec-Butylbenzene		10.0	10.1	101	9.99	100	1	72 - 127	20	
Styrene		10.0	9.87	99	9.87	99	0	65 - 134	20	
tert-Butylbenzene		10.0	9.91	99	9.71	97	2	70 - 129	20	
Tetrachloroethene		10.0	9.15	92	9.09	91	1	66 - 128	20	
Toluene		10.0	9.95	100	10.0	100	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	9.15	92	9.06	91	1	63 - 137	20	
trans-1,3-Dichloropropene		10.0	10.3	103	10.4	104	1	59 - 135	20	
Trichloroethene		10.0	9.10	91	9.07	91	0	70 - 127	20	
Trichlorofluoromethane		10.0	9.30	93	9.27	93	0	57 - 129	20	
Vinyl chloride		10.0	11.8	118	11.3	113	4	50 - 134	20	
Xylenes (total)		30.0	28.9	96	29.0	97	0	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R25407

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
782VM8146LA	K1303139-001C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	1.9	
782VM10025LA	K1303139-002C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2	
782VM10118LA	K1303139-003C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	1.8	
782VM10118LC	K1303139-004C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	1.8	
782VM105B36LA	K1303139-005C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	1.8	
782VM105B36LA	K1303139-005CMS	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	1.8	
782VM105B36LA	K1303139-005CMSD	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	1.8	
782VM105B36LC	K1303139-006C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	1.9	
782VM12116LA	K1303139-007C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.1	
782VM121D26LA	K1303139-008C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.1	
782SW11501LA	K1303139-009A	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2	
782SW11801LA	K1303139-010A	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2	
782SW11901LA	K1303139-011A	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2	
031213LE	K1303139-012C	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2	
031213LF	K1303139-013A	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2	
031213LR	K1303139-014A	12-Mar-13	13-Mar-13	14-Mar-13			14-Mar-13	14	2.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R25423

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
782VM7638LA	K1303151-001C	13-Mar-13	14-Mar-13	15-Mar-13			15-Mar-13	14	2	
782VM7840LA	K1303151-002C	13-Mar-13	14-Mar-13	15-Mar-13			15-Mar-13	14	1.9	
782VM8440LA	K1303151-003C	13-Mar-13	14-Mar-13	15-Mar-13			15-Mar-13	14	2.1	
782VM9637LA	K1303151-004C	13-Mar-13	14-Mar-13	15-Mar-13			15-Mar-13	14	1.9	
782M1027LA	K1303151-005C	13-Mar-13	14-Mar-13	15-Mar-13			15-Mar-13	14	2.1	
031313LE	K1303151-006C	13-Mar-13	14-Mar-13	15-Mar-13			15-Mar-13	14	1.9	
031313LF	K1303151-007A	13-Mar-13	14-Mar-13	15-Mar-13			15-Mar-13	14	2	
031313LR	K1303151-008A	13-Mar-13	14-Mar-13	15-Mar-13			15-Mar-13	14	2.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1860

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB130122AK	TB130122AK	22-Jan-13	6:45	22-Jan-13	8:05
MDLV/ICAL 0.2	MDLV/ICAL 0.25 ppb	22-Jan-13	8:05	22-Jan-13	8:35
MDLV/ICAL 0.5	MDLV/ICAL 0.50 ppb	22-Jan-13	8:35	22-Jan-13	9:05
MDLV/ICAL 1.0	MDLV/ICAL 1.0 ppb	22-Jan-13	9:05	22-Jan-13	9:35
MDLV/ICAL 2.0	MDLV/ICAL 2.0 ppb	22-Jan-13	9:35	22-Jan-13	10:05
ICAL 10 ppb	ICAL 10 ppb	22-Jan-13	10:05	22-Jan-13	11:05
ICAL 20 ppb	ICAL 20 ppb	22-Jan-13	11:05	22-Jan-13	11:56
ICAL 30 ppb	ICAL 30 ppb	22-Jan-13	11:56	22-Jan-13	12:26
ICAL 40 ppb	ICAL 40 ppb	22-Jan-13	12:26	22-Jan-13	13:26
ICAL 60 ppb	ICAL 60 ppb	22-Jan-13	13:26	22-Jan-13	14:26
ICAL 80 ppb	ICAL 80 ppb	22-Jan-13	14:26	22-Jan-13	14:56
TB130314AK	TB130314AK	14-Mar-13	7:27	14-Mar-13	7:57
2SRC-25407	2SRC-25407	14-Mar-13	7:27	14-Mar-13	7:57
LCS-25407	LCS-25407	14-Mar-13	7:27	14-Mar-13	7:57
CCV-25407	CCV-25407	14-Mar-13	7:57	14-Mar-13	8:28
LCSD-25407	LCSD-25407	14-Mar-13	8:28	14-Mar-13	8:59
782VM105B36LA	K1303139-005CMS	14-Mar-13	8:59	14-Mar-13	9:30
782VM105B36LA	K1303139-005CMSD	14-Mar-13	9:30	14-Mar-13	10:32
MB-25407	MB-25407	14-Mar-13	10:32	14-Mar-13	11:03
782VM105B36LA	K1303139-005C	14-Mar-13	11:03	14-Mar-13	11:34
782VM8146LA	K1303139-001C	14-Mar-13	11:34	14-Mar-13	12:05
782VM10025LA	K1303139-002C	14-Mar-13	12:05	14-Mar-13	12:36
782VM10118LA	K1303139-003C	14-Mar-13	12:36	14-Mar-13	13:07
782VM10118LC	K1303139-004C	14-Mar-13	13:07	14-Mar-13	13:38
782VM105B36LC	K1303139-006C	14-Mar-13	13:38	14-Mar-13	14:09
782VM12116LA	K1303139-007C	14-Mar-13	14:09	14-Mar-13	15:11
782VM121D26LA	K1303139-008C	14-Mar-13	15:11	14-Mar-13	15:42
782SW11501LA	K1303139-009A	14-Mar-13	15:42	14-Mar-13	16:13
782SW11801LA	K1303139-010A	14-Mar-13	16:13	14-Mar-13	16:44
782SW11901LA	K1303139-011A	14-Mar-13	16:44	14-Mar-13	17:15
031213LE	K1303139-012C	14-Mar-13	17:15	14-Mar-13	17:46
031213LF	K1303139-013A	14-Mar-13	17:46	14-Mar-13	18:17
031213LR	K1303139-014A	14-Mar-13	18:17	14-Mar-13	18:17
TB130315AK	TB130315AK	15-Mar-13	8:59	15-Mar-13	9:30
CCV-25423	CCV-25423	15-Mar-13	8:59	15-Mar-13	9:30

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1860

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
LCS-25423	LCS-25423	15-Mar-13	9:30	15-Mar-13	10:01
LCSD-25423	LCSD-25423	15-Mar-13	10:01	15-Mar-13	11:03
MB-25423	MB-25423	15-Mar-13	11:03	15-Mar-13	11:34
782VM7638LA	K1303151-001C	15-Mar-13	11:34	15-Mar-13	12:05
782VM7840LA	K1303151-002C	15-Mar-13	12:05	15-Mar-13	12:36
782VM8440LA	K1303151-003C	15-Mar-13	12:36	15-Mar-13	13:07
782VM9637LA	K1303151-004C	15-Mar-13	13:07	15-Mar-13	13:38
782M1027LA	K1303151-005C	15-Mar-13	13:38	15-Mar-13	14:09
031313LE	K1303151-006C	15-Mar-13	14:09	15-Mar-13	14:40
031313LF	K1303151-007A	15-Mar-13	14:40	15-Mar-13	15:10
031313LR	K1303151-008A	15-Mar-13	15:10	15-Mar-13	15:40

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130122A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	1/22/2013 6:45:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K1735.D
Compound:	SW8260B	**Sample ID:**	TB130122AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	17.5	
75	30 - 60% of m/z 95	45.5	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	62.1	
175	5 - 9% of m/z 174	7.3	
176	Greater than 95% but less than 101% of m/z 174	96.6	
177	5 - 9% of m/z 176	6.5	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130314B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	3/14/2013 7:27:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K2004.D
Compound:	SW8260B	**Sample ID:**	TB130314AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	18.7	
75	30 - 60% of m/z 95	46.2	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.6	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	68.5	
175	5 - 9% of m/z 174	7.0	
176	Greater than 95% but less than 101% of m/z 174	96.2	
177	5 - 9% of m/z 176	6.8	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130315A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	3/15/2013 8:59:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K2031.D
Compound:	SW8260B	**Sample ID:**	TB130315AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	21.1	
75	30 - 60% of m/z 95	48.5	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	7.0	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	58.0	
175	5 - 9% of m/z 174	7.6	
176	Greater than 95% but less than 101% of m/z 174	97.1	
177	5 - 9% of m/z 176	7.0	

Dissolved Organic Carbon Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM8146LA	K1303139-001D
782VM10025LA	K1303139-002D
782VM10118LA	K1303139-003D
782VM10118LC	K1303139-004D
782VM105B36LA	K1303139-005D
782VM105B36LA	K1303139-005DMS
782VM105B36LA	K1303139-005DMSD
782VM105B36LC	K1303139-006D
782VM12116LA	K1303139-007D
782VM121D26LA	K1303139-008D
031213LE	K1303139-012D
782VM7638LA	K1303151-001D
782VM7840LA	K1303151-002D
782VM8440LA	K1303151-003D
782VM9637LA	K1303151-004D
782M1027LA	K1303151-005D
031313LE	K1303151-006D

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM8146LA **Lab Sample ID:** K1303139-001D **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1864

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.83	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10025LA	**Lab Sample ID:**	K1303139-002D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25460		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005DMS	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.500	1.00	11.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005DMSD	**Matrix:**	Aqueous
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.500	1.00	12.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM105B36LC **Lab Sample ID:** K1303139-006D **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1864

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM12116LA **Lab Sample ID:** K1303139-007D **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1864

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	3.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031213LE	**Lab Sample ID:**	K1303139-012D	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25460		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.8	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7840LA	**Lab Sample ID:**	K1303151-002D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM8440LA	**Lab Sample ID:**	K1303151-003D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	4.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25460		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25460	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782M1027LA	**Lab Sample ID:**	K1303151-005D	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 031313LE **Lab Sample ID:** K1303151-006D **Matrix:** Water Q

% Solids: 0 **Initial Calibration ID:** 1864

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 22-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc.

Instrument ID: TOC-5000A

Initial Calibration ID: 1864

AAB #: R25460

Contract #:

Date of Initial Calibration: 12-Feb-13

Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999739	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: TOC-5000A **Initial Calibration ID:** 1864

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	9.95	-0.5	10.0	10.2	1.6	10.2	1.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1864

Method Blank ID: MB-25460 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	0.014	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1864

Method Blank ID: MB-25460 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.0055	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1864

Method Blank ID: MB-25460 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	0.094	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25460 **Initial Calibration ID:** 1864

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	9.95	100	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract #:**

% Solids: 0 **Initial Calibration ID:** 1864

Parent Field Sample ID: 782VM105B36LA **MS ID:** K1303139-005DMS **MSD ID:** K1303139-005DMSD

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Dissolved organic carbon (DOC)	1.70	10.0	11.8	101	12.1	104	2	75 - 125	20	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R25460

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
782VM8146LA	K1303139-001D	12-Mar-13	13-Mar-13	22-Mar-13	28	9.7	
782VM10025LA	K1303139-002D	12-Mar-13	13-Mar-13	22-Mar-13	28	9.9	
782VM10118LA	K1303139-003D	12-Mar-13	13-Mar-13	22-Mar-13	28	9.7	
782VM10118LC	K1303139-004D	12-Mar-13	13-Mar-13	22-Mar-13	28	9.7	
782VM105B36LA	K1303139-005D	12-Mar-13	13-Mar-13	22-Mar-13	28	9.8	
782VM105B36LA	K1303139-005DMS	12-Mar-13	13-Mar-13	22-Mar-13	28	9.8	
782VM105B36LA	K1303139-005DMSD	12-Mar-13	13-Mar-13	22-Mar-13	28	9.8	
782VM105B36LC	K1303139-006D	12-Mar-13	13-Mar-13	22-Mar-13	28	9.8	
782VM12116LA	K1303139-007D	12-Mar-13	13-Mar-13	22-Mar-13	28	10	
782VM121D26LA	K1303139-008D	12-Mar-13	13-Mar-13	22-Mar-13	28	9.9	
031213LE	K1303139-012D	12-Mar-13	13-Mar-13	22-Mar-13	28	9.7	
782VM7638LA	K1303151-001D	13-Mar-13	14-Mar-13	22-Mar-13	28	9.0	
782VM7840LA	K1303151-002D	13-Mar-13	14-Mar-13	22-Mar-13	28	8.9	
782VM8440LA	K1303151-003D	13-Mar-13	14-Mar-13	22-Mar-13	28	9.1	
782VM9637LA	K1303151-004D	13-Mar-13	14-Mar-13	22-Mar-13	28	8.9	
782M1027LA	K1303151-005D	13-Mar-13	14-Mar-13	22-Mar-13	28	9.1	
031313LE	K1303151-006D	13-Mar-13	14-Mar-13	22-Mar-13	28	8.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: TOC-5000A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
S0	S0	12-Feb-13	8:24	12-Feb-13	8:34
S1	S1	12-Feb-13	8:34	12-Feb-13	8:48
S10	S10	12-Feb-13	8:48	12-Feb-13	8:59
S20	S20	12-Feb-13	8:59	12-Feb-13	8:59
ICV	ICV	22-Mar-13	7:27	22-Mar-13	7:28
LCS-25460	LCS-25460	22-Mar-13	7:28	22-Mar-13	7:39
ICB	ICB	22-Mar-13	7:39	22-Mar-13	7:40
MB-25460	MB-25460	22-Mar-13	7:40	22-Mar-13	8:03
782VM8146LA	K1303139-001D	22-Mar-13	8:03	22-Mar-13	8:26
782VM10025LA	K1303139-002D	22-Mar-13	8:26	22-Mar-13	8:36
782VM10118LA	K1303139-003D	22-Mar-13	8:36	22-Mar-13	8:44
782VM10118LC	K1303139-004D	22-Mar-13	8:44	22-Mar-13	9:21
782VM105B36LA	K1303139-005D	22-Mar-13	9:21	22-Mar-13	9:31
782VM105B36LA	K1303139-005DMS	22-Mar-13	9:31	22-Mar-13	9:41
782VM105B36LA	K1303139-005DMSD	22-Mar-13	9:41	22-Mar-13	10:00
782VM105B36LC	K1303139-006D	22-Mar-13	10:00	22-Mar-13	10:08
782VM12116LA	K1303139-007D	22-Mar-13	10:08	22-Mar-13	10:21
CCV1	CCV1	22-Mar-13	10:21	22-Mar-13	10:31
CCB1	CCB1	22-Mar-13	10:31	22-Mar-13	10:47
782VM121D26LA	K1303139-008D	22-Mar-13	10:47	22-Mar-13	10:55
031213LE	K1303139-012D	22-Mar-13	10:55	22-Mar-13	12:09
782VM7638LA	K1303151-001D	22-Mar-13	12:09	22-Mar-13	12:17
782VM7840LA	K1303151-002D	22-Mar-13	12:17	22-Mar-13	12:41
782VM8440LA	K1303151-003D	22-Mar-13	12:41	22-Mar-13	12:52
782VM9637LA	K1303151-004D	22-Mar-13	12:52	22-Mar-13	13:03
782M1027LA	K1303151-005D	22-Mar-13	13:03	22-Mar-13	13:17
031313LE	K1303151-006D	22-Mar-13	13:17	22-Mar-13	14:00
CCV2	CCV2	22-Mar-13	14:00	22-Mar-13	14:24
CCB2	CCB2	22-Mar-13	14:24	22-Mar-13	14:24

Comments:

IC / Anions Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM8146LA	K1303139-001B
782VM10025LA	K1303139-002B
782VM10118LA	K1303139-003B
782VM10118LC	K1303139-004B
782VM105B36LA	K1303139-005B
782VM105B36LA	K1303139-005BDUP
782VM105B36LA	K1303139-005BMS
782VM105B36LA	K1303139-005BMSD
782VM105B36LC	K1303139-006B
782VM12116LA	K1303139-007B
782VM121D26LA	K1303139-008B
031213LE	K1303139-012B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM7638LA	K1303151-001B
782VM7840LA	K1303151-002B
782VM8440LA	K1303151-003B
782VM9637LA	K1303151-004B
782M1027LA	K1303151-005B
031313LE	K1303151-006B

Comments:

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

Signature: Anthony C

Name: Anthony Crescenzi

Date: 4-3-13

Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM10118LA	K1303139-003B
782VM10118LC	K1303139-004B
782VM12116LA DL	K1303139-007BDL
782VM121D26LA DL	K1303139-008BDL
782VM9637LA DL	K1303151-004BDL

Comments:

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

Signature: Anthony C

Name: Anthony Crescenzi

Date: 4-3-13

Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM8146LA **Lab Sample ID:** K1303139-001B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	13	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	8.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM10025LA **Lab Sample ID:** K1303139-002B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	2.0	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	33	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM10118LA **Lab Sample ID:** K1303139-003B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	34	1	
Nitrate (as N)	0.10	1.0	0.10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	5.0	10	210	10	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25465	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	34	1	
Nitrate (as N)	0.10	1.0	0.10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LC	**Lab Sample ID:**	K1303139-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	5.0	10	220	10	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM105B36LA **Lab Sample ID:** K1303139-005B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.9	1	
Nitrate (as N)	0.10	1.0	0.15	1	F
Sulfate (as SO4)	0.50	1.0	12	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM105B36LA **Lab Sample ID:** K1303139-005BMS **Matrix:** Aqueous

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.500	1.00	13.8	1	
Nitrate (as N)	0.100	1.00	1.22	1	
Sulfate (as SO4)	0.500	1.00	20.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM105B36LA **Lab Sample ID:** K1303139-005BMSD **Matrix:** Aqueous

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.500	1.00	13.7	1	
Nitrate (as N)	0.100	1.00	1.19	1	
Sulfate (as SO4)	0.500	1.00	20.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM105B36LC **Lab Sample ID:** K1303139-006B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	3.9	1	
Nitrate (as N)	0.10	1.0	0.15	1	F
Sulfate (as SO4)	0.50	1.0	11	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM12116LA **Lab Sample ID:** K1303139-007B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	35	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	78	1	J

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM12116LA DL	**Lab Sample ID:**	K1303139-007BDL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	130	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM121D26LA **Lab Sample ID:** K1303139-008B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	38	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	77	1	J

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM121D26LA DL **Lab Sample ID:** K1303139-008BDL **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1867

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	130	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 031213LE **Lab Sample ID:** K1303139-012B **Matrix:** Water Q

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 13-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	0.50	1	U
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25466		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM7638LA	**Lab Sample ID:**	K1303151-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1865		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	27	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM7840LA **Lab Sample ID:** K1303151-002B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	11	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	8.4	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM8440LA **Lab Sample ID:** K1303151-003B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	24	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.71	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM9637LA **Lab Sample ID:** K1303151-004B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	53	1	J
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM9637LA DL **Lab Sample ID:** K1303151-004BDL **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1867

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	2.5	5.0	63	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782M1027LA **Lab Sample ID:** K1303151-005B **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	10	1	
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.68	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 031313LE **Lab Sample ID:** K1303151-006B **Matrix:** Water Q

% Solids: 0 **Initial Calibration ID:** 1865

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 14-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Chloride	0.50	1.0	0.50	1	U
Nitrate (as N)	0.10	1.0	0.10	1	U
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE

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WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc.

Instrument ID: Dionex IC2

Initial Calibration ID: 1865

AAB #: R25465

Contract #:

Date of Initial Calibration: 13-Mar-13

Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Chloride	1	2	5	10	20	50	0.5	0	0	0	0.999813	
Nitrate (as N)	0.1	0.2	0.5	1	2	5	0.05	0	0	0	0.999941	
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999923	

r = correlation coefficient

Comments:

AFCEE

WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: Dionex IC2
Initial Calibration ID: 1865

AAB #: R25466
Contract #:
Date of Initial Calibration: 13-Mar-13
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Chloride	1	2	5	10	20	50	0.5	0	0	0	0.999813	
Nitrate (as N)	0.1	0.2	0.5	1	2	5	0.05	0	0	0	0.999941	
Sulfate (as SO4)	1	2	5	10	20	50	0.5	0	0	0	0.999923	

r = correlation coefficient

Comments:

AFCEE

WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: IC
Initial Calibration ID: 1867

AAB #: R25468
Contract #:
Date of Initial Calibration: 25-Mar-13
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Chloride	0.5	1	5	10	20	50	0.1	0	0	0	0.9996	
Nitrate (as N)	0.05	0.1	0.5	1	2		0.01	0	0	0	0.99975	
Sulfate (as SO4)	0.5	1	5	10	20	50	0.1	0	0	0	0.99987	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: Dionex IC2 **Initial Calibration ID:** 1865

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	20.0	20.5	2.6	20.0	20.7	3.4	20.6	2.9	
Nitrate (as N)	2.00	2.01	0.5	2.00	2.04	2.0	2.03	1.5	
Sulfate (as SO4)	20.0	20.0	-0.3	20.0	20.5	2.7	20.8	4.2	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: Dionex IC2 **Initial Calibration ID:** 1865

2nd Source ID: ICV **CCV #1 ID:** CCV3 **CCV #2 ID:**

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	20.0	20.5	2.6	20.0	20.9	4.6			
Nitrate (as N)	2.00	2.01	0.5	2.00	2.06	3.0			
Sulfate (as SO4)	20.0	20.0	-0.3	20.0	21.2	5.9			

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: Dionex IC2 **Initial Calibration ID:** 1865

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	20.0	20.1	0.7	20.0	20.5	2.7	20.6	3.2	
Nitrate (as N)	2.00	1.95	-2.5	2.00	1.99	-0.5	1.99	-0.5	
Sulfate (as SO4)	20.0	18.8	-5.8	20.0	20.6	3.3	21.4	7.0	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: Dionex IC2 **Initial Calibration ID:** 1865

2nd Source ID: ICV **CCV #1 ID:** CCV3 **CCV #2 ID:**

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	20.0	20.1	0.7	20.0	20.5	2.6			
Nitrate (as N)	2.00	1.95	-2.5	2.00	2.00	0			
Sulfate (as SO4)	20.0	18.8	-5.8	20.0	21.0	4.9			

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW9056	**AAB #:**	R25468
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	IC	**Initial Calibration ID:**	1867
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Chloride	10.0	10.3	2.6	10.0	10.5	4.8	10.7	6.8	
Sulfate (as SO4)	10.0	10.5	4.5	10.0	10.5	5.3	10.5	5.5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1865

Method Blank ID: MB-25465 **Initial Calibration ID:** 1865

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.29	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1865

Method Blank ID: MB-25465 **Initial Calibration ID:** 1865

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1865

Method Blank ID: MB-25465 **Initial Calibration ID:** 1865

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB3 **Initial Calibration ID:** 1865

Method Blank ID: MB-25465 **Initial Calibration ID:** 1865

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1865

Method Blank ID: MB-25466 **Initial Calibration ID:** 1865

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1865

Method Blank ID: MB-25466 **Initial Calibration ID:** 1865

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1865

Method Blank ID: MB-25466 **Initial Calibration ID:** 1865

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB3 **Initial Calibration ID:** 1865

Method Blank ID: MB-25466 **Initial Calibration ID:** 1865

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Nitrate (as N)	0.10	0.10	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.54	0.50	1.0	
Sulfate (as SO4)	0.33	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.59	0.50	1.0	
Sulfate (as SO4)	0.40	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Chloride	0.50	0.50	1.0	
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25465 **Initial Calibration ID:** 1865

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Chloride	20	20.5	103	85 - 115	
Nitrate (as N)	2	2.01	101	85 - 115	
Sulfate (as SO4)	20	20.0	100	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25466 **Initial Calibration ID:** 1865

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Chloride	20	20.1	101	85 - 115	
Nitrate (as N)	2	1.95	98	85 - 115	
Sulfate (as SO4)	20	18.8	94	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25468 **Initial Calibration ID:** 1867

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Chloride	10	10.3	103	85 - 115	
Sulfate (as SO4)	10	10.5	105	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25468 **Initial Calibration ID:** 1867

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Chloride	10	10.5	105	85 - 115	
Sulfate (as SO4)	10	10.6	106	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 7
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

% Solids: 0 **Initial Calibration ID:** 1865

Parent Field Sample ID: 782VM105B36LA **MS ID:** K1303139-005BMS **MSD ID:** K1303139-005BMSD

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Chloride	3.94	10.0	13.8	98	13.7	98	0	85 - 115	20	
Nitrate (as N)	0.146	1.00	1.22	107	1.19	104	2	85 - 115	20	
Sulfate (as SO4)	11.5	10.0	20.6	91	20.5	90	1	85 - 115	20	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R25465

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
782VM8146LA	K1303139-001B	12-Mar-13	13-Mar-13	13-Mar-13	28	1.0	
782VM10025LA	K1303139-002B	12-Mar-13	13-Mar-13	13-Mar-13	28	1.1	
782VM10118LA	K1303139-003B	12-Mar-13	13-Mar-13	13-Mar-13	28	0.9	
782VM10118LC	K1303139-004B	12-Mar-13	13-Mar-13	13-Mar-13	28	1.0	
782VM105B36LA	K1303139-005B	12-Mar-13	13-Mar-13	13-Mar-13	28	1.0	
782VM105B36LA	K1303139-005BDUP	12-Mar-13	13-Mar-13	13-Mar-13	28	1.1	
782VM105B36LA	K1303139-005BMS	12-Mar-13	13-Mar-13	13-Mar-13	28	1.1	
782VM105B36LA	K1303139-005BMSD	12-Mar-13	13-Mar-13	13-Mar-13	28	1.1	
782VM105B36LC	K1303139-006B	12-Mar-13	13-Mar-13	13-Mar-13	28	1.1	
782VM12116LA	K1303139-007B	12-Mar-13	13-Mar-13	13-Mar-13	28	1.3	
782VM121D26LA	K1303139-008B	12-Mar-13	13-Mar-13	13-Mar-13	28	1.2	
031213LE	K1303139-012B	12-Mar-13	13-Mar-13	13-Mar-13	28	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R25466

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
782VM7638LA	K1303151-001B	13-Mar-13	14-Mar-13	14-Mar-13	28	1.1	
782VM7840LA	K1303151-002B	13-Mar-13	14-Mar-13	14-Mar-13	28	1.0	
782VM8440LA	K1303151-003B	13-Mar-13	14-Mar-13	14-Mar-13	28	1.2	
782VM9637LA	K1303151-004B	13-Mar-13	14-Mar-13	14-Mar-13	28	1.1	
782M1027LA	K1303151-005B	13-Mar-13	14-Mar-13	14-Mar-13	28	1.2	
031313LE	K1303151-006B	13-Mar-13	14-Mar-13	14-Mar-13	28	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
782VM10118LA	K1303139-003B	12-Mar-13	13-Mar-13	28-Mar-13	28	16.0	
782VM10118LC	K1303139-004B	12-Mar-13	13-Mar-13	28-Mar-13	28	16.0	
782VM12116LA DL	K1303139-007BDL	12-Mar-13	13-Mar-13	28-Mar-13	28	16.3	
782VM121D26LA DL	K1303139-008BDL	12-Mar-13	13-Mar-13	28-Mar-13	28	16.2	
782VM9637LA DL	K1303151-004BDL	13-Mar-13	14-Mar-13	28-Mar-13	28	15.1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Dionex IC2

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
ICAL 7	ICAL 7	13-Mar-13	8:41	13-Mar-13	8:54
ICAL 1	ICAL 1	13-Mar-13	8:54	13-Mar-13	9:07
ICAL 2	ICAL 2	13-Mar-13	9:07	13-Mar-13	9:26
ICAL 3	ICAL 3	13-Mar-13	9:26	13-Mar-13	9:39
ICAL 4	ICAL 4	13-Mar-13	9:39	13-Mar-13	9:52
ICAL 5	ICAL 5	13-Mar-13	9:52	13-Mar-13	10:12
ICAL 6	ICAL 6	13-Mar-13	10:12	13-Mar-13	10:42
ICV	ICV	13-Mar-13	10:42	13-Mar-13	10:43
LCS-25465	LCS-25465	13-Mar-13	10:43	13-Mar-13	10:55
ICB	ICB	13-Mar-13	10:55	13-Mar-13	10:56
MB-25465	MB-25465	13-Mar-13	10:56	13-Mar-13	13:53
CCV1	CCV1	13-Mar-13	13:53	13-Mar-13	14:06
CCB1	CCB1	13-Mar-13	14:06	13-Mar-13	15:02
782VM8146LA	K1303139-001B	13-Mar-13	15:02	13-Mar-13	15:15
782VM10025LA	K1303139-002B	13-Mar-13	15:15	13-Mar-13	15:29
782VM10118LA	K1303139-003B	13-Mar-13	15:29	13-Mar-13	15:42
782VM10118LC	K1303139-004B	13-Mar-13	15:42	13-Mar-13	15:55
782VM105B36LA	K1303139-005B	13-Mar-13	15:55	13-Mar-13	16:08
782VM105B36LA	K1303139-005BDUP	13-Mar-13	16:08	13-Mar-13	16:21
782VM105B36LA	K1303139-005BMS	13-Mar-13	16:21	13-Mar-13	16:34
782VM105B36LA	K1303139-005BMSD	13-Mar-13	16:34	13-Mar-13	16:47
CCV2	CCV2	13-Mar-13	16:47	13-Mar-13	17:00
CCB2	CCB2	13-Mar-13	17:00	13-Mar-13	17:13
782VM105B36LC	K1303139-006B	13-Mar-13	17:13	13-Mar-13	17:26
782VM12116LA	K1303139-007B	13-Mar-13	17:26	13-Mar-13	17:40
782VM121D26LA	K1303139-008B	13-Mar-13	17:40	13-Mar-13	17:53
031213LE	K1303139-012B	13-Mar-13	17:53	13-Mar-13	18:06
CCV3	CCV3	13-Mar-13	18:06	13-Mar-13	18:19
CCB3	CCB3	13-Mar-13	18:19	13-Mar-13	18:19
ICV	ICV	14-Mar-13	8:06	14-Mar-13	8:07
LCS-25466	LCS-25466	14-Mar-13	8:07	14-Mar-13	8:19
ICB	ICB	14-Mar-13	8:19	14-Mar-13	8:20
MB-25466	MB-25466	14-Mar-13	8:20	14-Mar-13	12:04
CCV1	CCV1	14-Mar-13	12:04	14-Mar-13	12:18
CCB1	CCB1	14-Mar-13	12:18	14-Mar-13	15:22
782VM7638LA	K1303151-001B	14-Mar-13	15:22	14-Mar-13	15:35
782VM7840LA	K1303151-002B	14-Mar-13	15:35	14-Mar-13	15:48

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Dionex IC2

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
782VM8440LA	K1303151-003B	14-Mar-13	15:48	14-Mar-13	16:02
782VM9637LA	K1303151-004B	14-Mar-13	16:02	14-Mar-13	16:15
CCV2	CCV2	14-Mar-13	16:15	14-Mar-13	16:28
CCB2	CCB2	14-Mar-13	16:28	14-Mar-13	16:41
782M1027LA	K1303151-005B	14-Mar-13	16:41	14-Mar-13	16:54
031313LE	K1303151-006B	14-Mar-13	16:54	14-Mar-13	18:26
CCB3	CCB3	14-Mar-13	18:26	14-Mar-13	18:39
CCV3	CCV3	14-Mar-13	18:39	14-Mar-13	18:39

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: IC

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
ical 7	ical 7	25-Mar-13	14:38	25-Mar-13	15:03
ical 1	ical 1	25-Mar-13	15:03	25-Mar-13	15:20
ical 2	ical 2	25-Mar-13	15:20	25-Mar-13	15:37
ical 3	ical 3	25-Mar-13	15:37	25-Mar-13	15:54
ical 4	ical 4	25-Mar-13	15:54	25-Mar-13	16:11
ical 5	ical 5	25-Mar-13	16:11	25-Mar-13	16:28
ical 6	ical 6	25-Mar-13	16:28	25-Mar-13	16:28
ICV	ICV	28-Mar-13	9:00	28-Mar-13	9:01
LCS-25468	LCS-25468	28-Mar-13	9:01	28-Mar-13	9:30
ICB	ICB	28-Mar-13	9:30	28-Mar-13	14:45
CCV1	CCV1	28-Mar-13	14:45	28-Mar-13	15:02
CCB1	CCB1	28-Mar-13	15:02	28-Mar-13	16:34
782VM10118LA	K1303139-003B	28-Mar-13	16:34	28-Mar-13	16:50
782VM10118LC	K1303139-004B	28-Mar-13	16:50	28-Mar-13	17:07
782VM12116LA DL	K1303139-007BDL	28-Mar-13	17:07	28-Mar-13	17:23
782VM121D26LA DL	K1303139-008BDL	28-Mar-13	17:23	28-Mar-13	17:39
782VM9637LA DL	K1303151-004BDL	28-Mar-13	17:39	28-Mar-13	17:56
LCSD-25468	LCSD-25468	28-Mar-13	17:56	28-Mar-13	18:12
CCV2	CCV2	28-Mar-13	18:12	28-Mar-13	18:29
CCB2	CCB2	28-Mar-13	18:29	28-Mar-13	18:30
MB-25468	MB-25468	28-Mar-13	18:30	28-Mar-13	18:30

Comments:

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SW9056
Work Order: K1303139
Project: Griffiss AFB - Apron 2 Performance

CLIENT: FPM Group

Sample ID: **K1303139-005BDUP**	SampType: **DUP**	TestCode: **9056WAF**	Units: **mg/L**	Prep Date:		RunNo: **25465**			
Client ID: **782VM105B36LA**	Batch ID: **R25465**	Method: **SW9056**		Analysis Date: **3/13/2013**		SeqNo: **636048**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	3.82	1.00						3.94	3	20	
Nitrate (as N)	0.140	1.00						0.146	4	20	J
Sulfate (as SO4)	11.3	1.00						11.5	2	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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te: *01-Apr-13*

Alkalinity Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
782VM8146LA	K1303139-001A
782VM10025LA	K1303139-002A
782VM10118LA	K1303139-003A
782VM10118LC	K1303139-004A
782VM105B36LA	K1303139-005A
782VM105B36LA	K1303139-005ADUP
782VM105B36LC	K1303139-006A
782VM12116LA	K1303139-007A
782VM121D26LA	K1303139-008A
031213LE	K1303139-012A
782VM7638LA	K1303151-001A
782VM7840LA	K1303151-002A
782VM8440LA	K1303151-003A
782VM9637LA	K1303151-004A
782M1027LA	K1303151-005A
031313LE	K1303151-006A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM8146LA **Lab Sample ID:** K1303139-001A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	210	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM10025LA **Lab Sample ID:** K1303139-002A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	180	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM10118LA	**Lab Sample ID:**	K1303139-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM10118LC **Lab Sample ID:** K1303139-004A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:** R25390		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LA	**Lab Sample ID:**	K1303139-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	250	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM105B36LC	**Lab Sample ID:**	K1303139-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	240	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM12116LA **Lab Sample ID:** K1303139-007A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM121D26LA	**Lab Sample ID:**	K1303139-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	13-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	310	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 031213LE **Lab Sample ID:** K1303139-012A **Matrix:** Water Q

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 13-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM7638LA **Lab Sample ID:** K1303151-001A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	330	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM7840LA **Lab Sample ID:** K1303151-002A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	230	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782VM8440LA **Lab Sample ID:** K1303151-003A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	300	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 2320 B		**AAB #:**	R25390	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	782VM9637LA	**Lab Sample ID:**	K1303151-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	0		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	300	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 782M1027LA **Lab Sample ID:** K1303151-005A **Matrix:** Groundwater

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	260	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 031313LE **Lab Sample ID:** K1303151-006A **Matrix:** Water Q

% Solids: 0 **Initial Calibration ID:** 0

Date Received: 14-Mar-13 **Date Prepared:** **Date Analyzed:** 15-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Alkalinity, as CaCO3	10	10	10	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: **Initial Calibration ID:** 0

Method Blank ID: MB-R25390 **Initial Calibration ID:** 0

Analyte	Calibration Blank	Method Blank	RL	Q
Alkalinity, as CaCO3		10	10	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-R25390 **Initial Calibration ID:** 0

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Alkalinity, as CaCO3	50	50	100	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 2320 B **AAB #:** R25390

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
782VM8146LA	K1303139-001A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.4	
782VM10025LA	K1303139-002A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.5	
782VM10118LA	K1303139-003A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.3	
782VM10118LC	K1303139-004A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.3	
782VM105B36LA	K1303139-005A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.4	
782VM105B36LA	K1303139-005ADUP	12-Mar-13	13-Mar-13	15-Mar-13	14	2.4	
782VM105B36LC	K1303139-006A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.4	
782VM12116LA	K1303139-007A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.6	
782VM121D26LA	K1303139-008A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.5	
031213LE	K1303139-012A	12-Mar-13	13-Mar-13	15-Mar-13	14	2.3	
782VM7638LA	K1303151-001A	13-Mar-13	14-Mar-13	15-Mar-13	14	1.5	
782VM7840LA	K1303151-002A	13-Mar-13	14-Mar-13	15-Mar-13	14	1.4	
782VM8440LA	K1303151-003A	13-Mar-13	14-Mar-13	15-Mar-13	14	1.6	
782VM9637LA	K1303151-004A	13-Mar-13	14-Mar-13	15-Mar-13	14	1.4	
782M1027LA	K1303151-005A	13-Mar-13	14-Mar-13	15-Mar-13	14	1.5	
031313LE	K1303151-006A	13-Mar-13	14-Mar-13	15-Mar-13	14	1.3	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 2320 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: Buret Type A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
782VM7840LA	K1303151-002A	15-Mar-13	0:00	15-Mar-13	0:00
782VM10118LA	K1303139-003A	15-Mar-13	0:00	15-Mar-13	0:00
782VM10118LC	K1303139-004A	15-Mar-13	0:00	15-Mar-13	0:00
782VM105B36LA	K1303139-005A	15-Mar-13	0:00	15-Mar-13	0:00
782VM105B36LC	K1303139-006A	15-Mar-13	0:00	15-Mar-13	0:00
782VM12116LA	K1303139-007A	15-Mar-13	0:00	15-Mar-13	0:00
782VM121D26LA	K1303139-008A	15-Mar-13	0:00	15-Mar-13	0:00
782VM10025LA	K1303139-002A	15-Mar-13	0:00	15-Mar-13	0:00
782VM7638LA	K1303151-001A	15-Mar-13	0:00	15-Mar-13	0:00
LCS-R25390	LCS-R25390	15-Mar-13	0:00	15-Mar-13	0:00
782VM8440LA	K1303151-003A	15-Mar-13	0:00	15-Mar-13	0:00
782VM9637LA	K1303151-004A	15-Mar-13	0:00	15-Mar-13	0:00
782M1027LA	K1303151-005A	15-Mar-13	0:00	15-Mar-13	0:00
031313LE	K1303151-006A	15-Mar-13	0:00	15-Mar-13	0:00
782VM8146LA	K1303139-001A	15-Mar-13	0:00	15-Mar-13	0:00
782VM105B36LA	K1303139-005ADUP	15-Mar-13	0:00	15-Mar-13	0:00
MB-R25390	MB-R25390	15-Mar-13	0:00	15-Mar-13	0:00
031213LE	K1303139-012A	15-Mar-13	0:00	15-Mar-13	0:00

Comments:

Life Science Laboratories, Inc.

5854 Butternut Drive

East Syracuse, NY 13057 **(315) 445-1900**

ANALYTICAL QC SUMMARY REPORT

Method: SM 18-20 2320 B
Work Order: K1303139
Project: Griffiss AFB - Apron 2 Performance

CLIENT: FPM Group

Sample ID: **K1303139-005ADUP** SampType: **DUP** TestCode: **ALKT 2320B** Units: **mg/L** Prep Date: RunNo: **25390**
Client ID: **782VM105B36LA** Batch ID: **R25390** Method: **SM 18-20 232** Analysis Date: **3/15/2013** SeqNo: **634246**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, as CaCO3	246	10						248	0.8	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

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25-Mar-13

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

Tuesday, April 02, 2013

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB - BUILDING 817
RE: Analytical Results
Order No.: K1303152, K1303176, K1303205

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received samples on 3/14/2013 through 3/18/2013 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-Building 817-Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were found upon sample receipt. The temperature of the well-iced coolers were 1.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1
Dissolved Gases	RSK175	1
Sulfate	SW9056	1
Dissolved Organic Carbon	SM5310B	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

2) Standard Methods for the Examination of Water and Wastewater, 18th, 19th, and 20th Editions.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative - Page 1

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1303152, K1303176 and K1303205
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): MW 3/26/13

Supervisor/Reviewed by (Initials/Date): MW 3/26/13

QA/QC Review (Initials/Date): JH 4/2/13

File Name: U:\Narratives\MSVoa\K1303152msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25428	MSK	4-Methyl-2-pentanone	23.3		1
		1,2-Dibromo-2-chloropropane	23.0		1
		Hexachlorobutadiene	22.9		1
CCV-25429	MSK	Acetone	22.2		2
		2-Butanone	28.6		2
		4-Methyl-2-pentanone	31.0		1
		1,2-Dibromo-2-chloropropane	24.1		1
		Hexachlorobutadiene	25.2		1

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1303152, K1303176 and K1303205
Methodology:	8260B

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

2 Project variance allows +/- 30% difference (%D) for this compound.

Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

GC/MS Semi-volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – Building 817
Work Order #:	K1303152
Methodology:	RSK-175

Analyzed/Reviewed by (Initials/Date): CMT 4/1/13

Supervisor/Reviewed by (Initials/Date): CMT 4/1/13

QA/QC Review (Initials/Date): JK 4/2/13

File Name: U:\Narratives\GCSemi\K1303152RSKnar.doc

Dissolved Gases by RSK-175

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
All laboratory control samples met method and/or project specific QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB - Building 817
Work Order #:	K1303152, K1303176, K1303205
Methodology:	Dissolved Organic Carbon - SM 5310 B Sulfate - SW 9056

Analyzed/Reviewed by (Date/Initials): 3-31-13 MM

Supervisor/Reviewed by (Date/Initials): 3-31-13 MM

QA/QC Review (Date/Initials): 4/2/13 JK

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *02-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1303152

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303152-001A	WSAM1615LA	WSA-MW16	3/13/2013	3/14/2013
K1303152-001B	WSAM1615LA	WSA-MW16	3/13/2013	3/14/2013
K1303152-001C	WSAM1615LA	WSA-MW16	3/13/2013	3/14/2013

Life Science Laboratories, Inc.

Date: *02-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1303205

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303205-001A	WSAM0909LA	WSAMW-9	3/15/2013	3/18/2013
K1303205-001B	WSAM0909LA	WSAMW-9	3/15/2013	3/18/2013
K1303205-001C	WSAM0909LA	WSAMW-9	3/15/2013	3/18/2013
K1303205-002A	WSAM1722LA	WL-WSAVMW-17	3/15/2013	3/18/2013
K1303205-002B	WSAM1722LA	WL-WSAVMW-17	3/15/2013	3/18/2013
K1303205-002C	WSAM1722LA	WL-WSAVMW-17	3/15/2013	3/18/2013
K1303205-003A	WSAM2124LA	WL-WSAMW-21	3/15/2013	3/18/2013
K1303205-003B	WSAM2124LA	WL-WSAMW-21	3/15/2013	3/18/2013
K1303205-003C	WSAM2124LA	WL-WSAMW-21	3/15/2013	3/18/2013

Life Science Laboratories, Inc.

Date: *02-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - Building 817
Lab Order: K1303176

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303176-001A	817M0109LA	B817-MW-001	3/14/2013	3/15/2013
K1303176-002A	817M0208LA	B817-MW-002	3/14/2013	3/15/2013
K1303176-003A	817M0306LA	B817-MW-003	3/14/2013	3/15/2013
K1303176-004A	WSAM1814LA	WL-WSAMW-18	3/14/2013	3/15/2013
K1303176-004B	WSAM1814LA	WL-WSAMW-18	3/14/2013	3/15/2013
K1303176-004C	WSAM1814LA	WL-WSAMW-18	3/14/2013	3/15/2013
K1303176-005A	WSAM1918LA	WL-WSAMW-19	3/14/2013	3/15/2013
K1303176-005B	WSAM1918LA	WL-WSAMW-19	3/14/2013	3/15/2013
K1303176-005C	WSAM1918LA	WL-WSAMW-19	3/14/2013	3/15/2013
K1303176-006A	031413LE	FIELDQC	3/14/2013	3/15/2013
K1303176-006B	031413LE	FIELDQC	3/14/2013	3/15/2013
K1303176-006C	031413LE	FIELDQC	3/14/2013	3/15/2013
K1303176-007A	031413LF	FIELDQC	3/14/2013	3/15/2013
K1303176-008A	031413LR	FIELDQC	3/14/2013	3/15/2013

Lab Order: K1303152
Client: FPM Group
Project: Griffiss AFB - Building 817

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303152-001A	WSAM1615LA	3/13/2013 4:12:00 PM	Groundwater	Inorganic anions by IC			3/28/2013
K1303152-001B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/18/2013
K1303152-001C				Dissolved organic carbon (DOC)			3/25/2013

Lab Order: K1303176
Client: FPM Group
Project: Griffiss AFB - Building 817

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303176-001A	817M0109LA	3/14/2013 11:30:00 AM	Groundwater	Dissolved organic carbon (DOC)			3/25/2013
K1303176-002A	817M0208LA	3/14/2013 12:14:00 PM		Dissolved organic carbon (DOC)			3/25/2013
				Dissolved organic carbon (DOC)			3/25/2013
K1303176-003A	817M0306LA	3/14/2013 2:48:00 PM		Dissolved organic carbon (DOC)			3/25/2013
K1303176-004A	WSAM1814LA	3/14/2013 3:42:00 PM		Inorganic anions by IC			3/28/2013
K1303176-004B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/18/2013
K1303176-004C				Dissolved organic carbon (DOC)			3/25/2013
K1303176-005A	WSAM1918LA	3/14/2013 11:25:00 AM		Inorganic anions by IC			3/28/2013
K1303176-005B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/18/2013
K1303176-005C				Dissolved organic carbon (DOC)			3/25/2013
K1303176-006A	031413LE	3/14/2013 4:20:00 PM	Water Q	Inorganic anions by IC			3/28/2013
K1303176-006B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/18/2013
K1303176-006C				Dissolved organic carbon (DOC)			3/25/2013
K1303176-007A	031413LF	3/14/2013 4:30:00 PM		Volatile Organic Compounds by GC/MS			3/18/2013
K1303176-008A	031413LR	3/14/2013 8:30:00 AM		Volatile Organic Compounds by GC/MS			3/18/2013

Life Science Laboratories, Inc.

Lab Order: K1303205
Client: FPM Group
Project: Griffiss AFB - Building 817

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303205-001A	WSAM0909LA	3/15/2013 10:53:00 AM	Groundwater	Inorganic anions by IC			3/28/2013
K1303205-001B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303205-001C				Dissolved organic carbon (DOC)			3/25/2013
K1303205-002A	WSAM1722LA	3/15/2013 3:31:00 PM		Inorganic anions by IC			3/28/2013
K1303205-002B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303205-002C				Dissolved organic carbon (DOC)			3/25/2013
K1303205-003A	WSAM2124LA	3/15/2013 1:03:00 PM		Inorganic anions by IC			3/28/2013
K1303205-003B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303205-003C				Dissolved organic carbon (DOC)			3/25/2013

External Chain of Custody

K1303152

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _287_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
WSAM1615LA	WSA-MW16	3/13	1612	WG	BP	N	0/0	7	3	1	1	2	

001

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1.0°C on Ice

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/14/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 11:36	Company Name:	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig)	Date: 3/14/13	#3 Received by: (Sig)	Date: 3-14-13
Company Name: FPM Group Ltd	Time: 1000	Company Name: LSL	Time: 11:27	Company Name: LSL	Time: 15:10

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **3/14/2013 3:10:00 PM**

Work Order Number: **K1303152**

Received by: gis

Checklist completed by: GS (Initials) 3-14-13 (Date)

Reviewed by: AC (Initials) 3-15-13 (Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

K1303176

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	817M0109LA	B817-MW-001	3/14	1130	WG	B	N	0/0	1	-	-	1	-	
002	817M0208LA	B817-MW-002	3/14	1214	WG	B	N	0/0	1	-	-	1	-	
003	817M0306LA	B817-MW-003	3/14	1448	WG	B	N	0/0	1	-	-	1	-	
004	WSAM1814LA	WL-WSAMW-18	3/14	1542	WG	BP	N	0/0	7	3	1	1	2	
005	WSAM1918LA	WL-WSAMW-19	3/14	1125	WG	BP	N	0/0	7	3	1	1	2	
006	031413LE	FIELDQC	3/14	1620	WQ	BP	EB	0/0	7	3	1	1	2	
007	031413LF	FIELDQC	3/14	1630	WQ	NA	AB	0/0	3	3	-	-	-	
008	031413LR	FIELDQC	3/14	0830	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1°C

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)		Date: 3/15/13	#3 Released by: (Sig) Bill Donaldson	Date:
Company Name:	Time:	Company Name: FPM Group Ltd		Time: 11:00 PM	Company Name: Life Science Labs	Time:
ed by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson		Date: 3-15-13	#3 Received by: (Sig)	Date: 3-15-13
Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs		Time: 11:00	Company Name: LSL	Time: 14:30

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **3/15/2013 2:30:00 PM**

Work Order Number: **K1303176**

Received by: AC

Checklist completed by: 6 S (Initials) 3-15-13 (Date)

Reviewed by: AC (Initials) 3/18-13 (Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

K1303205

AFCEC
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Building 817 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
WSAM0909LA	WSAMW-9	3/15	1053	WG	BP	N	0/0	7	3	1	1	2	
WSAM1722LA	WL-WSAVMW-17	3/15	1531	WG	BP	N	0/0	7	3	1	1	2	
WSAM2124LA	WL-WSAMW-21	3/15	1303	WG	BP	N	0/0	7	3	1	1	2	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1.0 °C on IR

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: VOCs: SW8260 AFCEE QAPP 4.0.
Note 2: Anions: (Sulfate): method SW9056.
Note 3: DOC: method SM5310B.
Note 4: Methane/Ethane/Ethene: method RSK-175.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 3/18/13	#3 Released by: (Sig) Bill Donaldson	Date: 3-18-13
Company Name:	Time:	Company Name: FPM Group Ltd	Time: 10:42	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson	Date: 3-18-13	#3 Received by: (Sig)	Date: 3-18-13
Company Name: FPM Group Ltd	Time: 1000	Company Name: Life Science Labs	Time: 10:45	Company Name: LSL	Time: 15:30

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **3/18/2013 3:30:00 PM**

Work Order Number: **K1303205**

Received by: gis

Checklist completed by: GS (Initials) 3-14-13 (Date)

Reviewed by: AC (Initials) 3-19-13 (Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Client/Project FPM / K1303152 Rec'd 3-14-13

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
001 → 9	A/B			Stored in fridge 1B	8260	3/14/13 1700
001 → 9	A/B		(W)	3/18/13	8200	NR
-001	B		CS	3/25/13 0745	PSK175	NR
-001	C		MT	3/25/13 0830	SM5310B	3/25/13 1600
-001	A		MT	3/25/13 0830	9056	3/28/13 1630

Client/Project FPM K1303176

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
001 → 6	A		MT	3/25/13 0830	5310B	3/25/13 1600
004 → 6	A		MT	3/25/13 0900	9056	3/25/13 1600

G:\Logbook Forms\Logbooks (old)\GeneralLaboratory\Sign out

Client/Project FPM K1303176

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
004 → 008				Stored in fridge	8260	3-15-13
004 → 008			MV	3/18/13	8260	NR
004 → 006			CT	3/25/13	RSK 175	NR

Client/Project FPM / K1303205 Rec'd 3-18-13

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
001 → 3	B			Stored in fridge 1B	8260	3/18/13 1700
001 → 3	B		MD	3/19/13 0600	8260	NR
-001 → 3	B		CH	3/25/13 0745	8260 175	NR
001 → 3	C		MT	3/25/13 0830	5310 B	3/25/13 1600
001 → 3	A		MT	3/25/13 0830	9056	3/25/13 1600

Analytical Results

GC/MS Volatile Organics Data

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R25428

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
WSAM1615LA	K1303152-001B
WSAM1814LA	K1303176-004B
WSAM1918LA	K1303176-005B
031413LE	K1303176-006B
031413LF	K1303176-007A
031413LR	K1303176-008A

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B

AAB #: R25429

Lab Name: Life Science Laboratories, Inc.

Contract Number:

Base/Command:

Prime Contractor: FPM Group

Field Sample ID	Lab Sample ID
WSAM0909LA	K1303205-001B
WSAM1722LA	K1303205-002B
WSAM2124LA	K1303205-003B

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2054.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.320	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	15.0	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2054.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		µg/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.170	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	32.6	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	34.0	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2054.D
Date Received:	14-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	110	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	290409	141409 - 565636	
Chlorobenzene-d5	667978	272627 - 1090508	
Fluorobenzene	1623193	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2055.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.340	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.68	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2055.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	31.4	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	30.6	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2055.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	291639	141409 - 565636	
Chlorobenzene-d5	655072	272627 - 1090508	
Fluorobenzene	1605936	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2061.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.190	1		F
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	11.4	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2061.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.140	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	33.9	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	41.8	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2061.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	104	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	263856	141409 - 565636	
Chlorobenzene-d5	559007	272627 - 1090508	
Fluorobenzene	1321901	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2062.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.7	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2062.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.680	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.160	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2062.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	118	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	102	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	238780	141409 - 565636	
Chlorobenzene-d5	596737	272627 - 1090508	
Fluorobenzene	1714565	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LF	**Lab Sample ID:**	K1303176-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2058.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	11.8	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LF	**Lab Sample ID:**	K1303176-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2058.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.790	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LF	**Lab Sample ID:**	K1303176-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2058.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	114	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	282014	141409 - 565636	
Chlorobenzene-d5	646860	272627 - 1090508	
Fluorobenzene	1577711	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LR	**Lab Sample ID:**	K1303176-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2059.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.89	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LR	**Lab Sample ID:**	K1303176-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2059.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.230	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LR	**Lab Sample ID:**	K1303176-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2059.D
Date Received:	15-Mar-13	**Date Extracted:**		**Date Analyzed:**	18-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	111	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	276844	141409 - 565636	
Chlorobenzene-d5	623104	272627 - 1090508	
Fluorobenzene	1480166	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2090.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	4.70	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2090.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2090.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	109	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	273013	141409 - 565636	
Chlorobenzene-d5	640896	272627 - 1090508	
Fluorobenzene	1508093	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2091.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	5.58	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2091.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.130	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	8.85	1		
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	12.6	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2091.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	113	72 - 119	
4-Bromofluorobenzene	108	76 - 119	
Toluene-d8	92	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	274102	141409 - 565636	
Chlorobenzene-d5	625630	272627 - 1090508	
Fluorobenzene	1472015	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2092.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	8.30	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2092.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.140	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.610	1		F
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	10.1	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2092.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	109	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	262873	141409 - 565636	
Chlorobenzene-d5	608326	272627 - 1090508	
Fluorobenzene	1435822	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5973 MSK (5973K)

Date of Initial Calibration: 22 Jan 13

Initial Calibration ID: 1860

Concentration Units: (ug/L or mg/Kg): ug/L

SEE ATTACHED

Comments:

AFCEE FORM O-3

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 16:05:26 2013
Response via : Initial Calibration

ICAL #1860

Calibration Files
0.25 =K1737.D 0.50 =K1738.D 1.0 =K1739.D
2.0 =K1740.D 10 =K1741.D 20 =K1743.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	----------	ISTD	----------	----------		
2)		Dichlorodifluoromet	0.327	0.321	0.332	0.324	0.346	0.345	0.333	2.48
3)	P	Chloromethane	0.386	0.350	0.352	0.346	0.353	0.360	0.353	3.73
4)	CP	Vinyl chloride	0.263	0.254	0.265	0.267	0.290	0.296	0.278	5.17
5)		Bromomethane		0.047	0.066	0.052	0.090	0.081	0.084	29.38
6)		Chloroethane	0.187	0.169	0.188	0.191	0.204	0.203	0.192	5.19
7)		Trichlorofluorometh	0.344	0.324	0.343	0.337	0.361	0.364	0.349	3.55
8)	CPM	1,1-Dichloroethene	0.236	0.221	0.219	0.223	0.245	0.247	0.237	4.90
9)		Carbon disulfide	1.138	1.037	0.926	0.946	1.034	1.049	1.026	5.60
10)		1,1,2-Trichloro-1,2	0.228	0.221	0.226	0.225	0.248	0.248	0.239	5.27
11)		Methyl iodide			0.022	0.044	0.139	0.176	0.136	48.15
12)		Acrolein	0.014	0.016	0.017	0.020	0.024	0.025	0.021	19.11
13)		Methylene chloride		0.428	0.358	0.301	0.277	0.270	0.298	19.36
14)		Acetone		0.026	0.025	0.028	0.027	0.028	0.027	4.20
15)		tert-Butyl alcohol		0.005	0.007	0.007	0.008	0.009	0.007	14.60
16)		trans-1,2-Dichloroe	0.262	0.234	0.245	0.242	0.267	0.264	0.257	4.60
17)		Methyl acetate	0.082	0.086	0.098	0.102	0.095	0.101	0.094	7.06
18)		Methyl tert-Butyl e	0.515	0.441	0.471	0.467	0.502	0.504	0.484	4.63
19)	P	1,1-Dichloroethane	0.477	0.435	0.444	0.446	0.482	0.485	0.466	3.79
20)		Acrylonitrile	0.036	0.035	0.042	0.044	0.046	0.047	0.043	9.76
21)		Vinyl acetate	0.317	0.268	0.268	0.292	0.323	0.336	0.312	8.54
22)		cis-1,2-Dichloroeth	0.275	0.241	0.257	0.256	0.280	0.283	0.272	5.57
23)		2,2-Dichloropropane	0.387	0.340	0.343	0.347	0.381	0.378	0.366	4.63
24)		Bromochloromethane	0.072	0.071	0.084	0.086	0.096	0.095	0.085	9.83
25)		Cyclohexane	0.550	0.510	0.522	0.524	0.565	0.560	0.541	3.33
26)	CP	Chloroform	0.466	0.414	0.429	0.427	0.462	0.468	0.450	4.31
27)		Carbon tetrachlorid	0.251	0.229	0.245	0.244	0.278	0.288	0.269	9.09
28)		Tetrahydrofuran		0.056	0.046	0.041	0.036	0.037	0.040	17.68
29)		1,1,1-Trichloroetha	0.356	0.321	0.332	0.336	0.370	0.375	0.360	6.15
30)		2-Butanone		0.039	0.046	0.046	0.050	0.053	0.049	9.08
31)		1,1-Dichloropropene	0.367	0.332	0.348	0.350	0.385	0.386	0.370	5.44
32)	M	Benzene	1.155	1.038	1.062	1.066	1.136	1.133	1.103	3.34
33)	S	1,2-Dichloroethane-				0.207	0.219	0.222	0.216	2.66
34)		1,2-Dichloroethane	0.240	0.215	0.231	0.234	0.251	0.257	0.242	5.46
35)		Methylcyclohexane	0.404	0.375	0.379	0.390	0.428	0.426	0.412	5.66
36)	M	Trichloroethene	0.257	0.240	0.241	0.245	0.270	0.274	0.263	6.03
37)		Dibromomethane	0.088	0.087	0.099	0.099	0.111	0.114	0.105	10.41
38)	CP	1,2-Dichloropropane	0.271	0.248	0.258	0.259	0.280	0.284	0.273	4.77
39)		Bromodichloromethan	0.261	0.240	0.259	0.265	0.305	0.315	0.292	10.86
40)		2-Chloroethylvinyl		0.054	0.066	0.068	0.080	0.079	0.067	13.36
41)		cis-1,3-Dichloropro	0.347	0.316	0.341	0.348	0.403	0.412	0.381	10.06
42)	CPM	Toluene	0.639	0.604	0.612	0.614	0.667	0.675	0.652	4.90
43)		4-Methyl-2-pentanon	0.111	0.097	0.111	0.110	0.120	0.125	0.116	7.55

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

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 16:05:26 2013
Response via : Initial Calibration

Calibration Files
0.25 =K1737.D 0.50 =K1738.D 1.0 =K1739.D
2.0 =K1740.D 10 =K1741.D 20 =K1743.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
44)		trans-1,3-Dichlorop	0.243	0.219	0.237	0.255	0.307	0.318	0.286	14.60
45)		1,1,2-Trichloroetha	0.127	0.122	0.131	0.135	0.146	0.149	0.140	7.44
46)		2-Hexanone	0.065	0.058	0.066	0.069	0.077	0.082	0.074	12.10
47)	I	Chlorobenzene-d5	----------ISTD----------							
48)	S	Toluene-d8	3.131	2.543	2.469	2.290	2.262	2.260	2.355	13.05
49)		Tetrachloroethene	0.494	0.475	0.480	0.486	0.510	0.521	0.508	4.45
50)		Dibromochloromethan	0.313	0.306	0.329	0.342	0.396	0.416	0.374	12.19
51)		1,3-Dichloropropane	0.736	0.671	0.711	0.724	0.735	0.749	0.712	3.41
52)		1,2-Dibromoethane	0.306	0.293	0.329	0.340	0.362	0.372	0.341	7.27
53)		1-Chlorohexane	0.837	0.824	0.846	0.840	0.895	0.900	0.863	3.04
54)	PM	Chlorobenzene	1.789	1.614	1.608	1.609	1.662	1.685	1.653	3.29
55)	CP	Ethylbenzene	3.340	2.984	3.001	2.940	2.953	2.969	2.935	5.99
56)		1,1,1,2-Tetrachloro	0.418	0.419	0.426	0.435	0.480	0.494	0.464	7.52
57)		(m+p)-Xylene	1.065	1.007	1.021	0.993	1.028	1.074	1.037	2.60
58)		o-Xylene	1.088	0.955	0.980	0.965	1.004	1.048	1.021	4.35
59)		Styrene	1.491	1.441	1.503	1.509	1.620	1.702	1.600	6.43
60)	P	Bromoform	0.096	0.100	0.132	0.137	0.169	0.182	0.156	23.70
61)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
62)		Isopropylbenzene	4.443	4.204	4.203	4.323	4.591	4.293	4.219	5.72
63)	S	Bromofluorobenzene	1.009	0.844	0.907	0.874	0.892	0.842	0.871	6.47
64)		Bromobenzene	0.976	0.854	0.948	0.964	1.032	0.975	0.960	4.80
65)		n-Propylbenzene	4.948	4.801	4.778	4.859	5.267	5.065	4.896	4.58
66)	P	1,1,2,2-Tetrachloro	0.703	0.664	0.731	0.761	0.818	0.776	0.733	6.21
67)		2-Chlorotoluene	3.777	3.471	3.532	3.554	3.762	3.613	3.558	4.10
68)		1,3,5-Trimethylbenz	2.555	2.403	2.370	2.424	2.589	2.654	2.557	4.48
69)		1,2,3-Trichloroprop		0.118	0.165	0.176	0.201	0.188	0.171	13.45
70)		trans-1,4-Dichloro-			0.083	0.098	0.121	0.135	0.124	17.56
71)		4-Chlorotoluene	3.043	2.940	3.008	3.040	3.216	3.160	3.061	3.19
72)		tert-Butylbenzene	2.568	2.425	2.443	2.492	2.635	2.593	2.534	3.05
73)		1,2,4-Trimethylbenz	2.071	1.967	2.011	2.061	2.233	2.292	2.185	6.45
74)		sec-Butylbenzene	3.566	3.433	3.518	3.598	3.916	3.836	3.676	4.57
75)		p-Isopropyltoluene	2.229	2.217	2.225	2.260	2.502	2.527	2.420	6.71
76)		1,3-Dichlorobenzene	1.635	1.570	1.601	1.594	1.730	1.694	1.661	3.36
77)		1,4-Dichlorobenzene	1.605	1.529	1.533	1.517	1.629	1.624	1.591	2.85
78)		n-Butylbenzene	1.683	1.582	1.695	1.769	2.036	2.053	1.903	10.25
79)		1,2-Dichlorobenzene	1.380	1.277	1.339	1.352	1.461	1.445	1.392	4.01
80)		1,2-Dibromo-3-chlor			0.074	0.080	0.094	0.094	0.087	8.11
81)		Hexachlorobutadiene	0.205	0.231	0.226	0.259	0.283	0.271	0.258	10.73
82)		1,2,4-Trichlorobenz	0.265	0.243	0.299	0.322	0.365	0.399	0.345	17.24
83)		Naphthalene	0.435	0.349	0.420	0.444	0.511	0.583	0.485	15.30
84)		1,2,3-Trichlorobenz	0.121	0.176	0.232	0.245	0.266	0.299	0.243	22.96

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

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrato
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 15:58:10 2013
Response via : Initial Calibration

Calibration Files
30 =K1744.D 40 =K1745.D 60 =K1747.D
80 =K1749.D = =

		Compound	30	40	60	80
1)	I	Fluorobenzene	ISTD			
2)		Dichlorodifluoromet	0.335	0.338	0.331	0.334
3)	P	Chloromethane	0.338	0.348	0.349	0.345
4)	CP	Vinyl chloride	0.287	0.285	0.286	0.287
5)		Bromomethane	0.107	0.116	0.088	0.108
6)		Chloroethane	0.195	0.197	0.195	0.193
7)		Trichlorofluorometh	0.353	0.353	0.355	0.360
8)	CPM	1,1-Dichloroethene	0.240	0.245	0.246	0.249
9)		Carbon disulfide	1.034	1.035	1.036	1.025
10)		1,1,2-Trichloro-1,2	0.247	0.248	0.248	0.255
11)		Methyl iodide	0.184	0.181	0.174	0.170
12)		Acrolein	0.023	0.024	0.025	0.025
13)		Methylene chloride	0.260	0.263	0.264	0.264
14)		Acetone	0.026	0.027	0.029	0.028
15)		tert-Butyl alcohol	0.008	0.008	0.008	0.007
16)		trans-1,2-Dichloroe	0.258	0.263	0.266	0.266
17)		Methyl acetate	0.089	0.097	0.099	0.091
18)		Methyl tert-Butyl e	0.465	0.488	0.497	0.488
19)	P	1,1-Dichloroethane	0.468	0.476	0.475	0.472
20)		Acrylonitrile	0.043	0.045	0.047	0.046
21)		Vinyl acetate	0.318	0.321	0.339	0.334
22)		cis-1,2-Dichloroeth	0.274	0.280	0.285	0.286
23)		2,2-Dichloropropane	0.378	0.374	0.370	0.366
24)		Bromochloromethane	0.089	0.088	0.087	0.086
25)		Cyclohexane	0.554	0.551	0.542	0.538
26)	CP	Chloroform	0.452	0.462	0.464	0.459
27)		Carbon tetrachlorid	0.280	0.288	0.294	0.296
28)		Tetrahydrofuran	0.033	0.035	0.037	0.035
29)		1,1,1-Trichloroetha	0.369	0.375	0.380	0.382
30)		2-Butanone	0.049	0.051	0.053	0.052
31)		1,1-Dichloropropene	0.380	0.383	0.386	0.388
32)	M	Benzene	1.109	1.116	1.113	1.098
33)	S	1,2-Dichloroethane-	0.210	0.217	0.220	0.220
34)		1,2-Dichloroethane	0.241	0.250	0.254	0.253
35)		Methylcyclohexane	0.433	0.430	0.425	0.435
36)	M	Trichloroethene	0.270	0.275	0.278	0.280
37)		Dibromomethane	0.106	0.112	0.115	0.115
38)	CP	1,2-Dichloropropane	0.277	0.281	0.283	0.284
39)		Bromodichloromethan	0.307	0.316	0.323	0.324
40)		2-Chloroethylvinyl	0.069	0.068	0.062	0.055
41)		cis-1,3-Dichloropro	0.399	0.409	0.416	0.418
42)	CPM	Toluene	0.669	0.678	0.679	0.686
43)		4-Methyl-2-pentanon	0.115	0.120	0.124	0.124

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

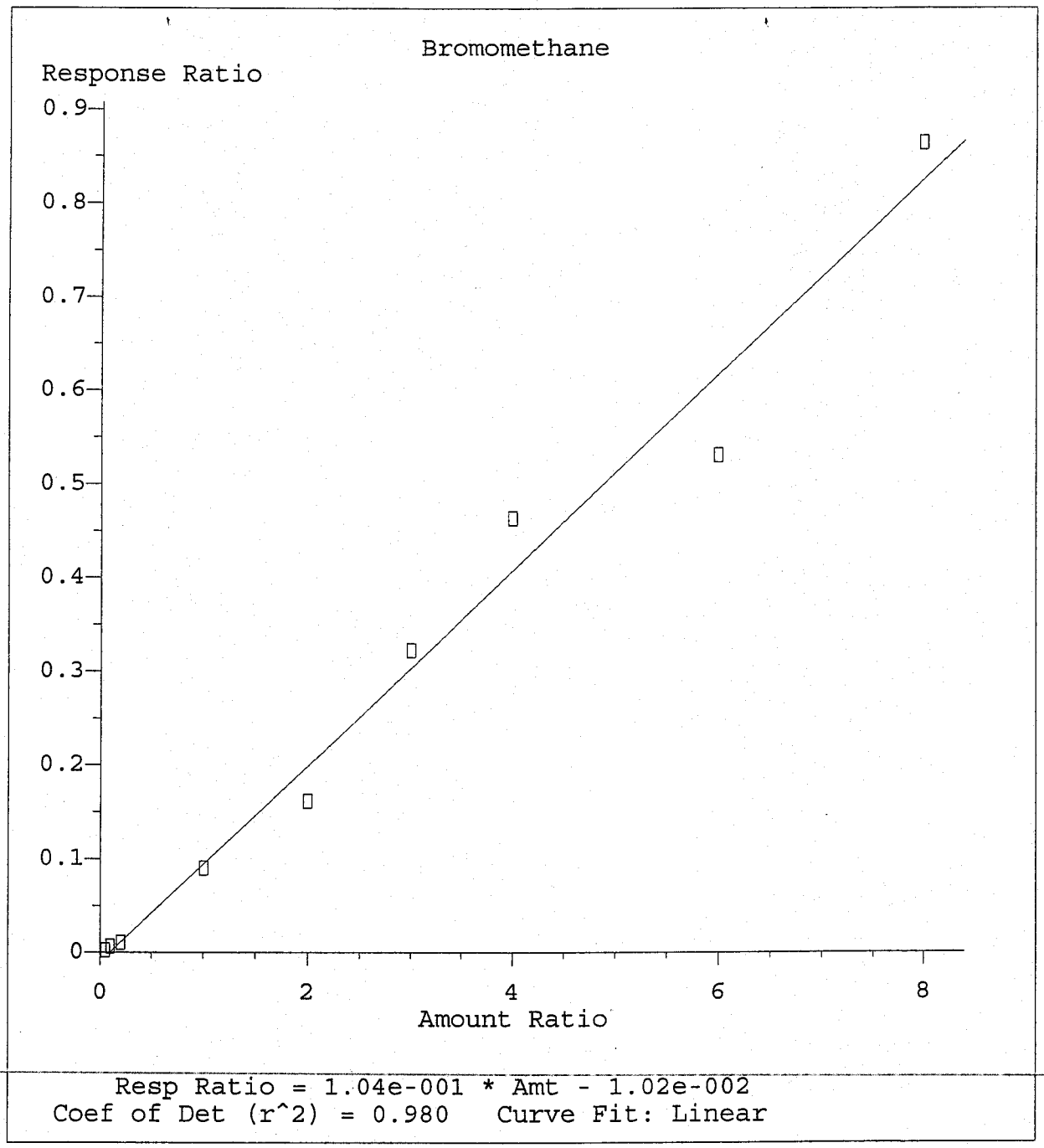
Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrato
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 15:58:10 2013
Response via : Initial Calibration

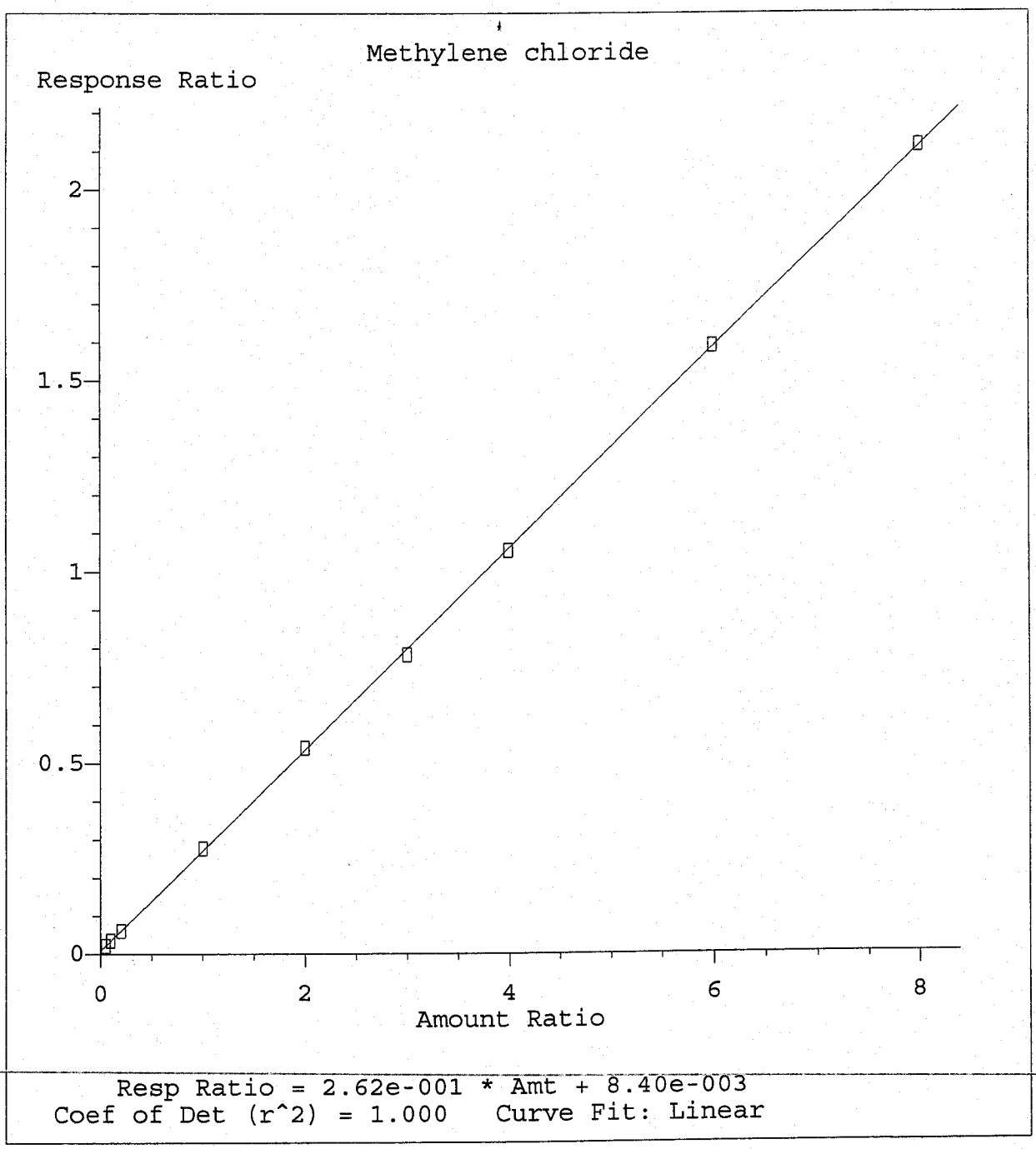
Calibration Files
30 =K1744.D 40 =K1745.D 60 =K1747.D
80 =K1749.D = =

		Compound	30	40	60	80
44)		trans-1,3-Dichlorop	0.307	0.318	0.325	0.325
45)		1,1,2-Trichloroetha	0.141	0.146	0.151	0.152
46)		2-Hexanone	0.076	0.080	0.083	0.084
47)	I	Chlorobenzene-d5	----------	ISTD	----------	
48)	S	Toluene-d8	2.194	2.198	2.109	2.095
49)		Tetrachloroethene	0.520	0.526	0.526	0.542
50)		Dibromochloromethan	0.397	0.412	0.411	0.415
51)		1,3-Dichloropropane	0.693	0.712	0.697	0.690
52)		1,2-Dibromoethane	0.345	0.357	0.352	0.350
53)		1-Chlorohexane	0.884	0.880	0.860	0.865
54)	PM	Chlorobenzene	1.645	1.666	1.635	1.622
55)	CP	Ethylbenzene	2.859	2.868	2.752	2.686
56)		1,1,1,2-Tetrachloro	0.484	0.495	0.493	0.499
57)		(m+p)-Xylene	1.043	1.069	1.048	1.026
58)		o-Xylene	1.014	1.047	1.050	1.062
59)		Styrene	1.643	1.697	1.695	1.697
60)	P	Bromoform	0.176	0.186	0.189	0.193
61)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------	
62)		Isopropylbenzene	4.327	4.130	3.907	3.770
63)	S	Bromofluorobenzene	0.861	0.838	0.817	0.826
64)		Bromobenzene	0.999	0.964	0.940	0.948
65)		n-Propylbenzene	5.124	4.932	4.690	4.491
66)	P	1,1,2,2-Tetrachloro	0.752	0.734	0.709	0.686
67)		2-Chlorotoluene	3.625	3.539	3.382	3.324
68)		1,3,5-Trimethylbenz	2.645	2.652	2.660	2.615
69)		1,2,3-Trichloroprop	0.183	0.174	0.171	0.168
70)		trans-1,4-Dichloro-	0.141	0.142	0.139	0.131
71)		4-Chlorotoluene	3.168	3.103	2.995	2.934
72)		tert-Butylbenzene	2.632	2.584	2.500	2.473
73)		1,2,4-Trimethylbenz	2.275	2.294	2.336	2.311
74)		sec-Butylbenzene	3.880	3.799	3.645	3.572
75)		p-Isopropyltoluene	2.566	2.559	2.565	2.548
76)		1,3-Dichlorobenzene	1.712	1.697	1.687	1.686
77)		1,4-Dichlorobenzene	1.614	1.626	1.616	1.620
78)		n-Butylbenzene	2.071	2.060	2.045	2.032
79)		1,2-Dichlorobenzene	1.417	1.420	1.420	1.414
80)		1,2-Dibromo-3-chlor	0.089	0.091	0.089	0.086
81)		Hexachlorobutadiene	0.282	0.279	0.270	0.276
82)		1,2,4-Trichlorobenz	0.362	0.386	0.414	0.396
83)		Naphthalene	0.479	0.536	0.577	0.520
84)		1,2,3-Trichlorobenz	0.250	0.276	0.297	0.271

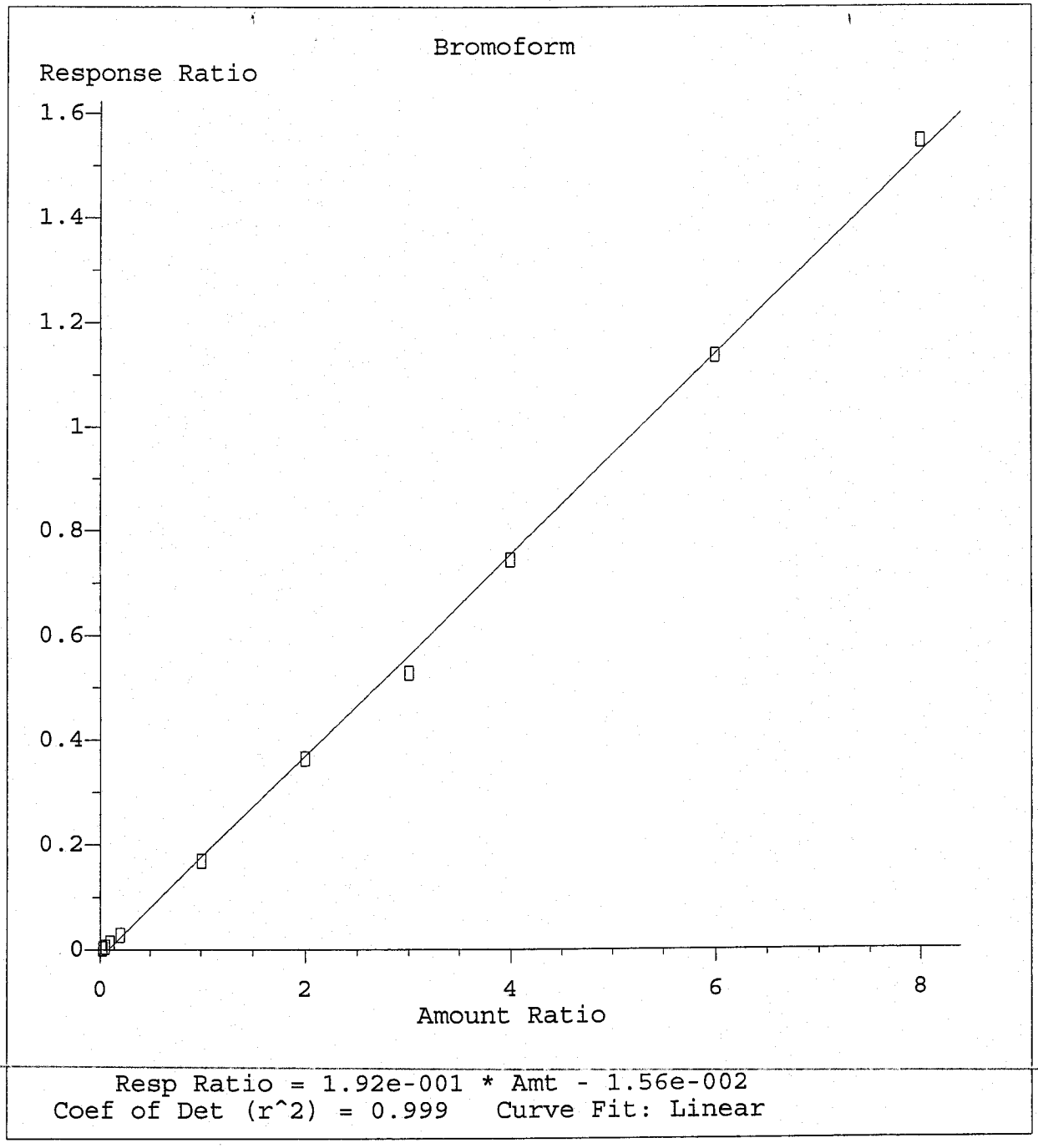
(#) = Out of Range ### Number of calibration levels exceeded fo
K122VOCW.M Mon Jan 28 15:58:18 2013



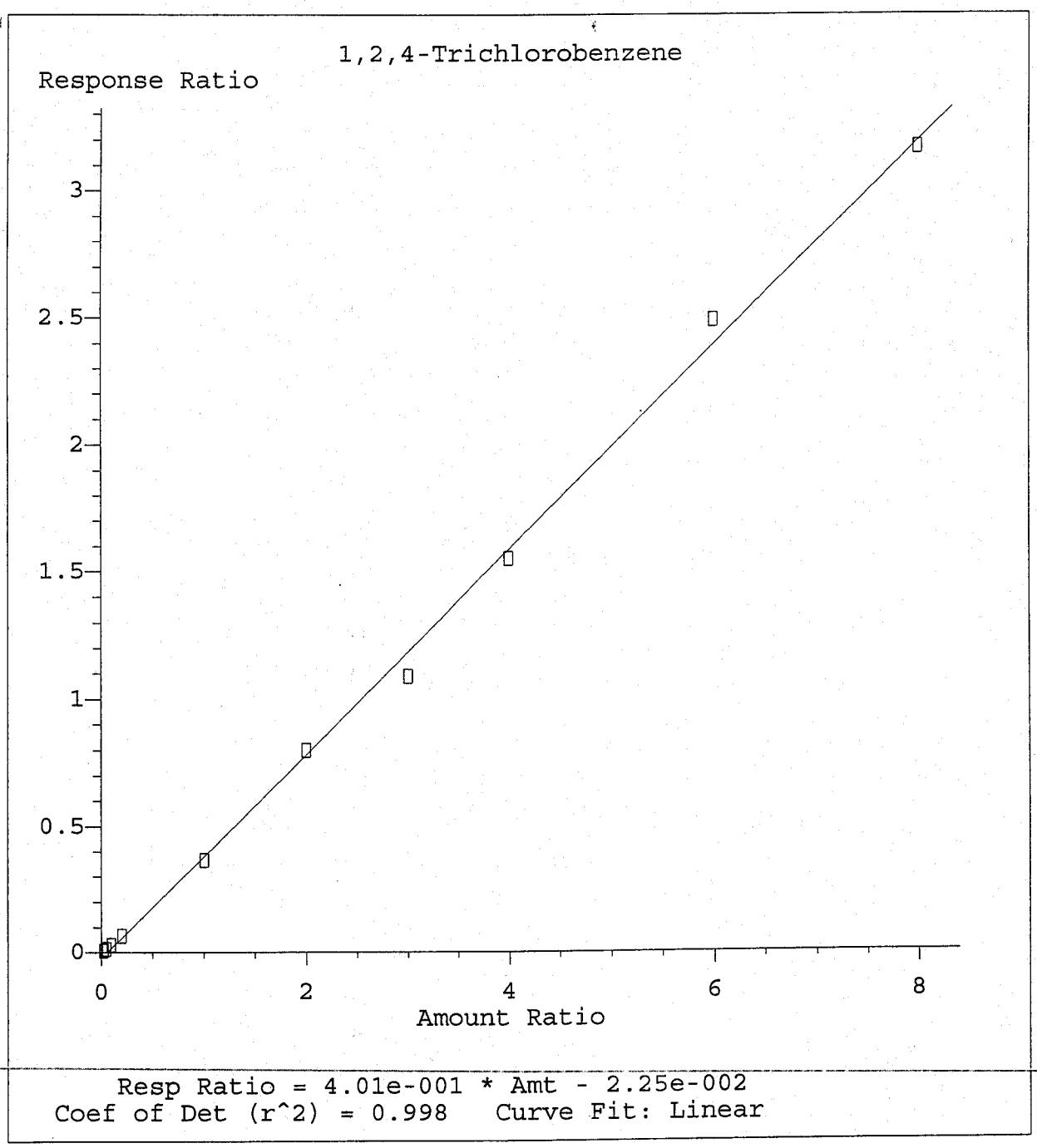
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Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



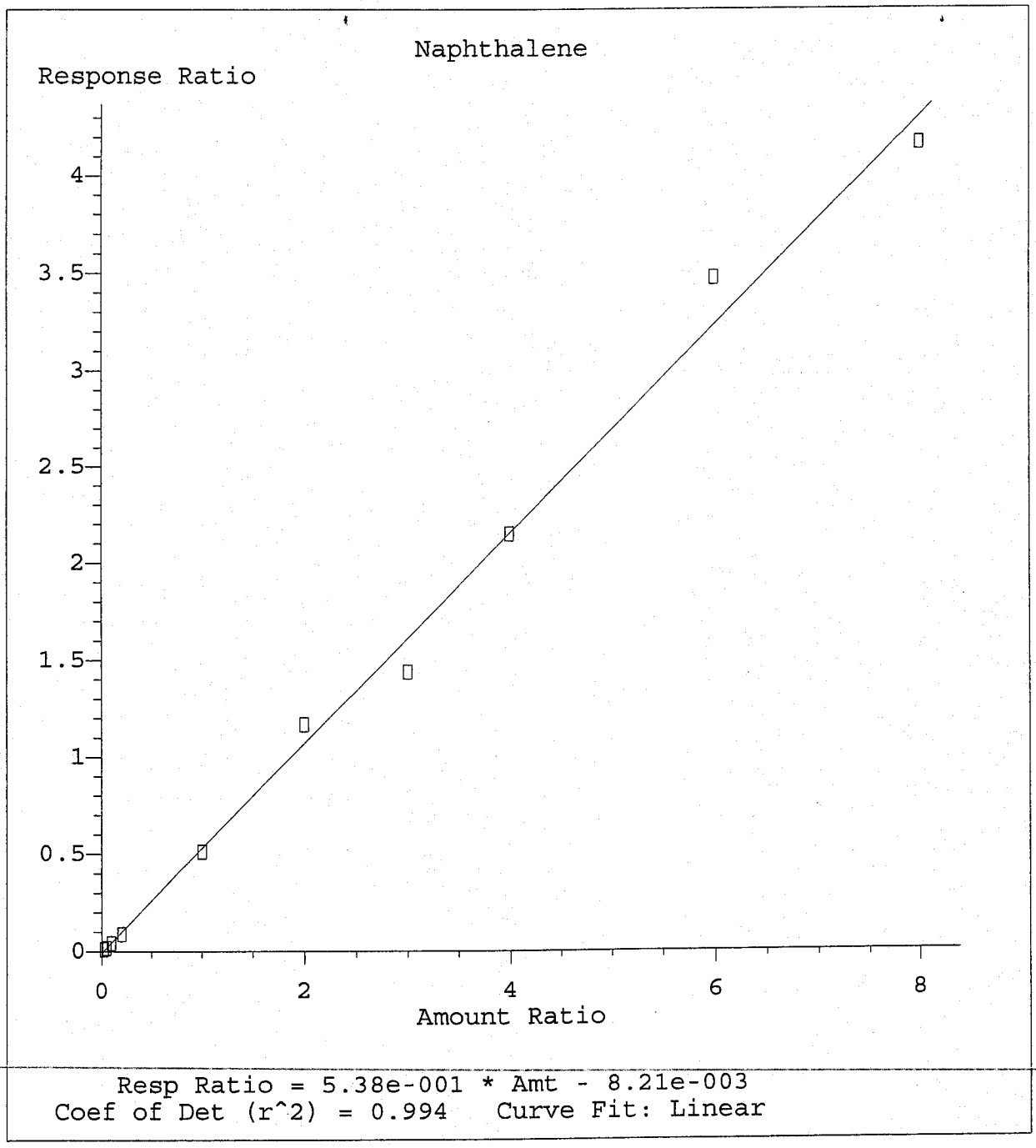
Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



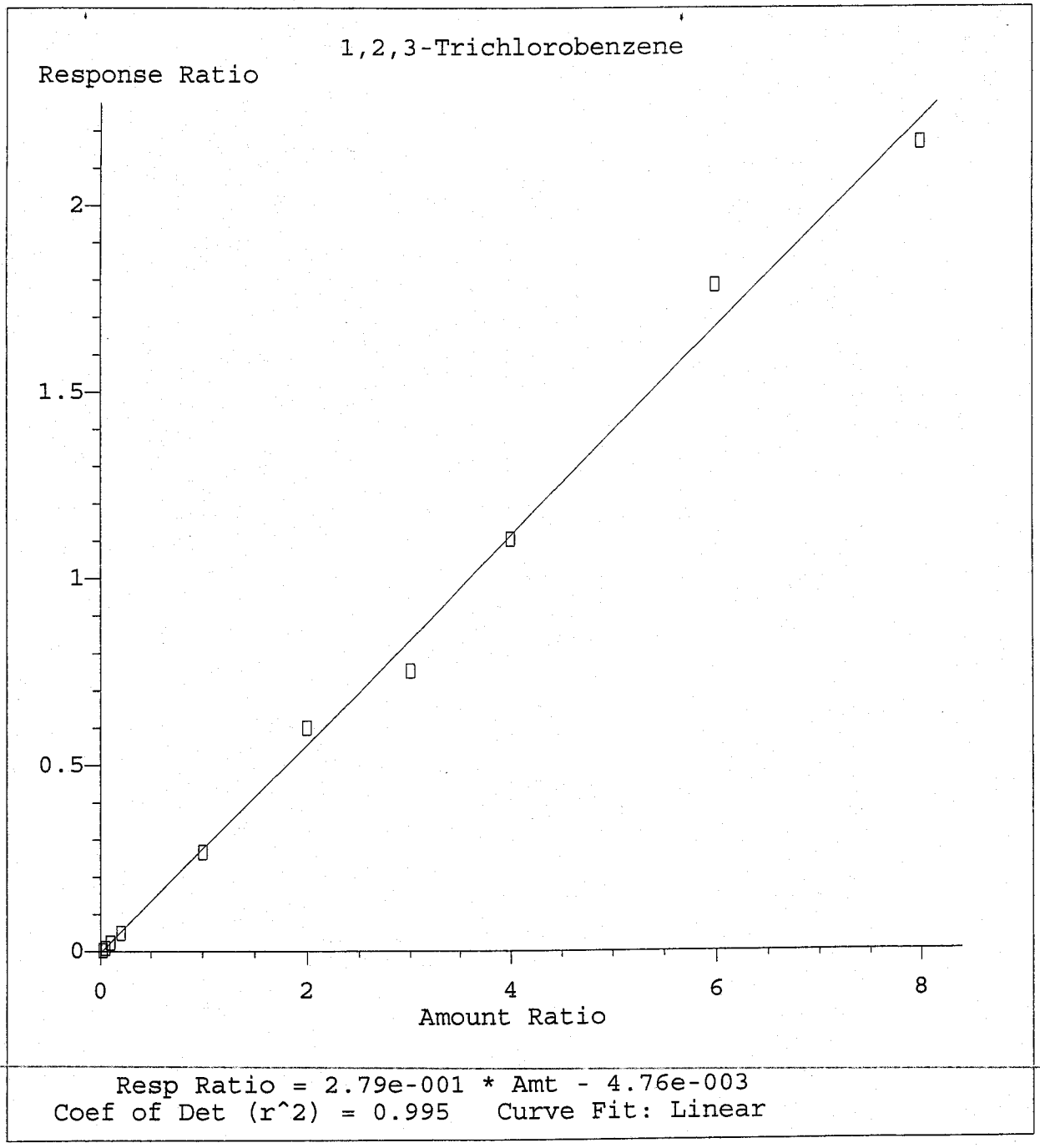
Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R25406
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1860
Second Source ID:	2SRC-25407	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	19	-5.0	
1,1,1,2-Tetrachloroethane	10	9.59	-4.1	
1,1,1-Trichloroethane	10	8.46	-15.4	
1,1,2,2-Tetrachloroethane	10	10.6	6.1	
1,1,2-Trichloroethane	10	10	0	
1,1-Dichloroethane	10	10.1	0.6	
1,1-Dichloroethene	10	8.97	-10.3	
1,1-Dichloropropene	10	9.2	-8.0	
1,2,3-Trichlorobenzene	10	10.3	3.2	
1,2,3-Trichloropropane	10	10.2	1.7	
1,2,4-Trichlorobenzene	10	10	0.1	
1,2,4-Trimethylbenzene	10	9.77	-2.3	
1,2-Dibromo-3-chloropropane	10	11.5	14.7	
1,2-Dibromoethane	10	9.69	-3.1	
1,2-Dichlorobenzene	10	10.3	2.8	
1,2-Dichloroethane	10	9.22	-7.8	
1,2-Dichloropropane	10	10.2	2.4	
1,3,5-Trimethylbenzene	10	9.4	-6.0	
1,3-Dichlorobenzene	10	9.91	-0.9	
1,3-Dichloropropane	10	9.97	-0.3	
1,4-Dichlorobenzene	10	9.96	-0.4	
1-Chlorohexane	10	10	0.5	
2,2-Dichloropropane	10	9.55	-4.5	
2-Butanone	20	20.9	4.5	
2-Chlorotoluene	10	9.64	-3.6	
4-Chlorotoluene	10	9.49	-5.1	
4-Methyl-2-pentanone	20	21.6	7.8	
Acetone	20	21.7	8.4	
Benzene	10	9.53	-4.7	
Bromobenzene	10	9.83	-1.7	
Bromochloromethane	10	9.9	-1.0	
Bromodichloromethane	10	9.34	-6.6	
Bromoform	10	9.03	-9.7	
Bromomethane	10	11.1	10.8	
Carbon tetrachloride	10	8.26	-17.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R25406
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1860
Second Source ID:	2SRC-25407	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.73	-2.7	
Chloroethane	10	9.91	-0.9	
Chloroform	10	9.02	-9.8	
Chloromethane	10	10.5	5.0	
cis-1,2-Dichloroethene	10	9.45	-5.5	
cis-1,3-Dichloropropene	10	9.94	-0.6	
Dibromochloromethane	10	9.08	-9.2	
Dibromomethane	10	9.33	-6.7	
Dichlorodifluoromethane	10	10	0.1	
Ethylbenzene	10	9.53	-4.7	
Hexachlorobutadiene	10	11.7	16.6	
Isopropylbenzene	10	10.8	8.1	
Methyl tert-butyl ether	10	9.65	-3.5	
Methylene chloride	10	9.66	-3.4	
n-Butylbenzene	10	10.4	4.1	
n-Propylbenzene	10	10	0	
Naphthalene	10	9.75	-2.5	
o-Xylene	10	9.61	-3.9	
p-Isopropyltoluene	10	9.72	-2.8	
sec-Butylbenzene	10	9.82	-1.8	
Styrene	10	9.71	-2.9	
tert-Butylbenzene	10	9.64	-3.6	
Tetrachloroethene	10	9.37	-6.3	
Toluene	10	9.86	-1.4	
trans-1,2-Dichloroethene	10	9.11	-8.9	
trans-1,3-Dichloropropene	10	10.3	2.7	
Trichloroethene	10	9.01	-9.9	
Trichlorofluoromethane	10	9	-10	
Vinyl chloride	10	11.1	11.3	
Xylenes (total)	30	28.6	-4.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: 5973 MSK (5973K)

Initial Calibration ID: 1860

ICV ID: 2SRC-25407

CCV #1 ID: CCV-25428

CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Data File : C:\HPCHEM\1\DATA\K2050.D Vial: 49
Acq On : 18 Mar 2013 7:56 Operator: MSV
Sample : CCV-25428 Inst : 5973K
Misc : CCV ,8260WAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Fri Mar 15 10:18:58 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	139	0.00
2		Dichlorodifluoromethane	0.333	0.305	-8.4	122	0.00
3	P	Chloromethane	0.353	0.376	6.5	148	0.00
4	CP	Vinyl chloride	0.278	0.310	11.5	148	0.00
5		Bromomethane	0.084	0.097	15.5	150	0.00
6		Chloroethane	0.192	0.193	0.5	131	-0.03
7		Trichlorofluoromethane	0.349	0.295	-15.5	113	-0.01
8	CPM	1,1-Dichloroethene	0.237	0.198	-16.5	113	-0.01
9		Methylene chloride	0.298	0.252	-15.4	126	0.00
10		Acetone	0.027	0.030	11.1	153	0.00
11		trans-1,2-Dichloroethene	0.257	0.217	-15.6	113	0.00
12		Methyl tert-Butyl ether	0.484	0.472	-2.5	131	0.00
13	P	1,1-Dichloroethane	0.466	0.472	1.3	136	0.00
14		cis-1,2-Dichloroethene	0.272	0.245	-9.9	122	-0.01
15		2,2-Dichloropropane	0.366	0.362	-1.1	132	0.00
16		Bromochloromethane	0.085	0.078	-8.2	114	0.00
17	CP	Chloroform	0.450	0.417	-7.3	125	0.00
18		Carbon tetrachloride	0.269	0.228	-15.2	114	-0.01
19		1,1,1-Trichloroethane	0.360	0.322	-10.6	121	0.00
20		2-Butanone	0.049	0.057	16.3	158	0.00
21		1,1-Dichloropropene	0.370	0.346	-6.5	125	0.00
22	M	Benzene	1.103	1.091	-1.1	133	0.00
23	S	1,2-Dichloroethane-d4	0.211	0.201	-4.7	127	0.00
24		1,2-Dichloroethane	0.242	0.233	-3.7	129	0.00
25	M	Trichloroethene	0.263	0.239	-9.1	123	0.00
26		Dibromomethane	0.105	0.096	-8.6	121	0.00
27	CP	1,2-Dichloropropane	0.273	0.293	7.3	145	0.00
28		Bromodichloromethane	0.292	0.283	-3.1	129	0.00
29		cis-1,3-Dichloropropene	0.381	0.389	2.1	134	0.00
30	CPM	Toluene	0.652	0.645	-1.1	134	0.00
31		4-Methyl-2-pentanone	0.116	0.146	25.9#	169	0.00
32		trans-1,3-Dichloropropene	0.286	0.298	4.2	135	0.00
33		1,1,2-Trichloroethane	0.140	0.147	5.0	140	0.00
34	I	Chlorobenzene-d5	1.000	1.000	0.0	144	0.00
35	S	Toluene-d8	2.355	2.051	-12.9	131	-0.01
36		Tetrachloroethene	0.508	0.442	-13.0	125	0.00
37		Dibromochloromethane	0.374	0.337	-9.9	123	0.00
38		1,3-Dichloropropane	0.712	0.716	0.6	140	0.00
39		1,2-Dibromoethane	0.341	0.320	-6.2	127	0.00
40		1-Chlorohexane	0.863	0.836	-3.1	135	0.00

(#) = Out of Range

3/18/13

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K2050.D Vial: 49
Acq On : 18 Mar 2013 7:56 Operator: MSV
Sample : CCV -25428 Inst : 5973K
Misc : CCV ,8260WAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Fri Mar 15 10:18:58 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	1.653	1.548	-6.4	134	0.00
42	CP	Ethylbenzene	2.935	2.798	-4.7	137	-0.01
43		1,1,1,2-Tetrachloroethane	0.464	0.423	-8.8	127	-0.01
44		(m+p)-Xylene	1.037	0.944	-9.0	132	0.00
45		o-Xylene	1.021	0.961	-5.9	138	0.00
46		Styrene	1.600	1.548	-3.3	138	0.00
47	P	Bromoform	0.156	0.152	-2.6	130	0.00
48	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	147	0.00
49		Isopropylbenzene	4.219	4.248	0.7	136	0.00
50	S	Bromofluorobenzene	0.871	0.864	-0.8	142	0.00
51		Bromobenzene	0.960	0.980	2.1	139	0.00
52		n-Propylbenzene	4.896	4.953	1.2	138	0.00
53	P	1,1,2,2-Tetrachloroethane	0.733	0.839	14.5	150	0.00
54		2-Chlorotoluene	3.558	3.524	-1.0	137	0.00
55		1,3,5-Trimethylbenzene	2.557	2.408	-5.8	136	0.00
56		1,2,3-Trichloropropane	0.171	0.185	8.2	135	0.00
57		4-Chlorotoluene	3.061	3.050	-0.4	139	0.00
58		tert-Butylbenzene	2.534	2.463	-2.8	137	0.00
59		1,2,4-Trimethylbenzene	2.185	2.064	-5.5	135	0.00
60		sec-Butylbenzene	3.676	3.746	1.9	140	0.00
61		p-Isopropyltoluene	2.420	2.345	-3.1	137	0.00
62		1,3-Dichlorobenzene	1.661	1.668	0.4	141	0.00
63		1,4-Dichlorobenzene	1.591	1.551	-2.5	140	-0.01
64		n-Butylbenzene	1.903	2.025	6.4	146	0.00
65		1,2-Dichlorobenzene	1.392	1.460	4.9	147	0.00
66		1,2-Dibromo-3-chloropropane	0.087	0.107	23.0#	167	0.00
67		Hexachlorobutadiene	0.258	0.317	22.9#	164	0.00
68		1,2,4-Trichlorobenzene	0.345	0.405	17.4	163	0.00
69		Naphthalene	0.485	0.580	19.6	166	-0.01
70		1,2,3-Trichlorobenzene	0.243	0.313	28.8#	172	-0.01

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

Data File : C:\HPCHEM\1\DATA\K2050.D
Acq On : 18 Mar 2013 7:56
Sample : CCV-25478
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 49
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Fri Mar 15 10:18:58 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	139	0.00
2		Dichlorodifluoromethane	10.000	9.148	-8.5	122	0.00
3	P	Chloromethane	10.000	10.662	6.6	148	0.00
4	CP	Vinyl chloride	10.000	11.131	11.3	148	0.00
5		Bromomethane	10.000	10.291	2.9	150	0.00
6		Chloroethane	10.000	10.020	0.2	131	-0.03
7		Trichlorofluoromethane	10.000	8.440	-15.6	113	-0.01
8	CPM	1,1-Dichloroethene	10.000	8.366	-16.3	113	-0.01
9		Methylene chloride	10.000	9.304	-7.0	126	0.00
10		Acetone	20.000	22.081	10.4	153	0.00
11		trans-1,2-Dichloroethene	10.000	8.445	-15.5	113	0.00
12		Methyl tert-Butyl ether	10.000	9.759	-2.4	131	0.00
13	P	1,1-Dichloroethane	10.000	10.135	1.3	136	0.00
14		cis-1,2-Dichloroethene	10.000	9.026	-9.7	122	-0.01
15		2,2-Dichloropropane	10.000	9.867	-1.3	132	0.00
16		Bromochloromethane	10.000	9.187	-8.1	114	0.00
17	CP	Chloroform	10.000	9.265	-7.3	125	0.00
18		Carbon tetrachloride	10.000	8.468	-15.3	114	-0.01
19		1,1,1-Trichloroethane	10.000	8.964	-10.4	121	0.00
20		2-Butanone	20.000	23.199	16.0	158	0.00
21		1,1-Dichloropropene	10.000	9.343	-6.6	125	0.00
22	M	Benzene	10.000	9.899	-1.0	133	0.00
23	S	1,2-Dichloroethane-d4	10.000	9.297	-7.0	127	0.00
24		1,2-Dichloroethane	10.000	9.601	-4.0	129	0.00
25	M	Trichloroethene	10.000	9.080	-9.2	123	0.00
26		Dibromomethane	10.000	9.210	-7.9	121	0.00
27	CP	1,2-Dichloropropane	10.000	10.728	7.3	145	0.00
28		Bromodichloromethane	10.000	9.694	-3.1	129	0.00
29		cis-1,3-Dichloropropene	10.000	10.196	2.0	134	0.00
30	CPM	Toluene	10.000	9.886	-1.1	134	0.00
31		4-Methyl-2-pentanone	20.000	25.212	26.1#	169	0.00
32		trans-1,3-Dichloropropene	10.000	10.440	4.4	135	0.00
33		1,1,2-Trichloroethane	10.000	10.487	4.9	140	0.00
34	I	Chlorobenzene-d5	10.000	10.000	0.0	144	0.00
35	S	Toluene-d8	10.000	8.709	-12.9	131	-0.01
36		Tetrachloroethene	10.000	8.698	-13.0	125	0.00
37		Dibromochloromethane	10.000	9.019	-9.8	123	0.00
38		1,3-Dichloropropane	10.000	10.054	0.5	140	0.00
39		1,2-Dibromoethane	10.000	9.399	-6.0	127	0.00
40		1-Chlorohexane	10.000	9.692	-3.1	135	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2050.D
Acq On : 18 Mar 2013 7:56
Sample : CCV-25478
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 49
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Fri Mar 15 10:18:58 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	10.000	9.360	-6.4	134	0.00
42	CP	Ethylbenzene	10.000	9.533	-4.7	137	-0.01
43		1,1,1,2-Tetrachloroethane	10.000	9.114	-8.9	127	-0.01
44		(m+p)-Xylene	20.000	18.196	-9.0	132	0.00
45		o-Xylene	10.000	9.408	-5.9	138	0.00
46		Styrene	10.000	9.675	-3.2	138	0.00
47	P	Bromoform	10.000	8.743	-12.6	130	0.00
48	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	147	0.00
49		Isopropylbenzene	10.000	10.070	0.7	136	0.00
50	S	Bromofluorobenzene	10.000	9.919	-0.8	142	0.00
51		Bromobenzene	10.000	10.212	2.1	139	0.00
52		n-Propylbenzene	10.000	10.118	1.2	138	0.00
53	P	1,1,2,2-Tetrachloroethane	10.000	11.446	14.5	150	0.00
54		2-Chlorotoluene	10.000	9.906	-0.9	137	0.00
55		1,3,5-Trimethylbenzene	10.000	9.418	-5.8	136	0.00
56		1,2,3-Trichloropropane	10.000	10.814	8.1	135	0.00
57		4-Chlorotoluene	10.000	9.965	-0.4	139	0.00
58		tert-Butylbenzene	10.000	9.717	-2.8	137	0.00
59		1,2,4-Trimethylbenzene	10.000	9.446	-5.5	135	0.00
60		sec-Butylbenzene	10.000	10.189	1.9	140	0.00
61		p-Isopropyltoluene	10.000	9.690	-3.1	137	0.00
62		1,3-Dichlorobenzene	10.000	10.044	0.4	141	0.00
63		1,4-Dichlorobenzene	10.000	9.750	-2.5	140	-0.01
64		n-Butylbenzene	10.000	10.646	6.5	146	0.00
65		1,2-Dichlorobenzene	10.000	10.485	4.8	147	0.00
66		1,2-Dibromo-3-chloropropane	10.000	12.283	22.8#	167	0.00
67		Hexachlorobutadiene	10.000	12.288	22.9#	164	0.00
68		1,2,4-Trichlorobenzene	10.000	10.666	6.7	163	0.00
69		Naphthalene	10.000	10.920	9.2	166	-0.01
70		1,2,3-Trichlorobenzene	10.000	11.397	14.0	172	-0.01

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

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: 5973 MSK (5973K)

Initial Calibration ID: 1860

ICV ID: 2SRC-25407

CCV #1 ID: CCV-25429

CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Data File : C:\HPCHEM\1\DATA\K2076.D
Acq On : 19 Mar 2013 8:14
Sample : TB130319AK/CCV ~25429
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 24
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 18 13:31:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	131	0.00
2		Dichlorodifluoromethane	0.333	0.311	-6.6	118	0.00
3	P	Chloromethane	0.353	0.366	3.7	136	0.00
4	CP	Vinyl chloride	0.278	0.324	16.5	146	0.00
5		Bromomethane	0.084	0.100	19.0	146	0.00
6		Chloroethane	0.192	0.197	2.6	126	0.01
7		Trichlorofluoromethane	0.349	0.311	-10.9	113	0.00
8	CPM	1,1-Dichloroethene	0.237	0.208	-12.2	111	0.00
9		Methylene chloride	0.298	0.261	-12.4	124	0.00
10		Acetone	0.027	0.033	22.2#	161	0.00
11		trans-1,2-Dichloroethene	0.257	0.223	-13.2	109	0.00
12		Methyl tert-Butyl ether	0.484	0.501	3.5	131	0.00
13	P	1,1-Dichloroethane	0.466	0.505	8.4	138	0.00
14		cis-1,2-Dichloroethene	0.272	0.263	-3.3	123	0.00
15		2,2-Dichloropropane	0.366	0.373	1.9	128	0.00
16		Bromochloromethane	0.085	0.083	-2.4	114	0.00
17	CP	Chloroform	0.450	0.448	-0.4	127	0.00
18		Carbon tetrachloride	0.269	0.229	-14.9	108	0.00
19		1,1,1-Trichloroethane	0.360	0.331	-8.1	117	0.00
20		2-Butanone	0.049	0.063	28.6#	165	0.00
21		1,1-Dichloropropene	0.370	0.355	-4.1	121	0.00
22	M	Benzene	1.103	1.106	0.3	128	0.00
23	S	1,2-Dichloroethane-d4	0.211	0.218	3.3	130	0.00
24		1,2-Dichloroethane	0.242	0.253	4.5	132	0.00
25	M	Trichloroethene	0.263	0.241	-8.4	117	0.00
26		Dibromomethane	0.105	0.102	-2.9	121	0.00
27	CP	1,2-Dichloropropane	0.273	0.309	13.2	144	0.00
28		Bromodichloromethane	0.292	0.297	1.7	127	0.00
29		cis-1,3-Dichloropropene	0.381	0.399	4.7	130	0.00
30	CPM	Toluene	0.652	0.637	-2.3	125	0.00
31		4-Methyl-2-pentanone	0.116	0.152	31.0#	166	0.00
32		trans-1,3-Dichloropropene	0.286	0.305	6.6	130	0.00
33		1,1,2-Trichloroethane	0.140	0.152	8.6	136	0.00
34	I	Chlorobenzene-d5	1.000	1.000	0.0	136	0.00
35	S	Toluene-d8	2.355	2.029	-13.8	122	0.01
36		Tetrachloroethene	0.508	0.429	-15.6	115	0.00
37		Dibromochloromethane	0.374	0.339	-9.4	117	0.00
38		1,3-Dichloropropane	0.712	0.739	3.8	137	0.00
39		1,2-Dibromoethane	0.341	0.324	-5.0	122	0.00
40		1-Chlorohexane	0.863	0.832	-3.6	127	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2076.D
Acq On : 19 Mar 2013 8:14
Sample : TB130319AK/CCV 75429
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 24
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 18 13:31:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	1.653	1.523	-7.9	125	0.00
42	CP	Ethylbenzene	2.935	2.774	-5.5	128	0.00
43		1,1,1,2-Tetrachloroethane	0.464	0.427	-8.0	121	0.00
44		(m+p)-Xylene	1.037	0.934	-9.9	124	0.00
45		o-Xylene	1.021	0.941	-7.8	128	0.00
46		Styrene	1.600	1.517	-5.2	128	0.00
47	P	Bromoform	0.156	0.152	-2.6	123	0.00
48	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	134	0.00
49		Isopropylbenzene	4.219	4.364	3.4	128	0.00
50	S	Bromofluorobenzene	0.871	0.874	0.3	132	0.00
51		Bromobenzene	0.960	0.974	1.5	127	0.00
52		n-Propylbenzene	4.896	5.117	4.5	130	0.00
53	P	1,1,2,2-Tetrachloroethane	0.733	0.881	20.2#	145	0.00
54		2-Chlorotoluene	3.558	3.670	3.1	131	0.00
55		1,3,5-Trimethylbenzene	2.557	2.490	-2.6	129	0.00
56		1,2,3-Trichloropropane	0.171	0.196	14.6	131	0.00
57		4-Chlorotoluene	3.061	3.180	3.9	133	0.00
58		tert-Butylbenzene	2.534	2.549	0.6	130	0.00
59		1,2,4-Trimethylbenzene	2.185	2.112	-3.3	127	0.00
60		sec-Butylbenzene	3.676	3.844	4.6	132	0.00
61		p-Isopropyltoluene	2.420	2.389	-1.3	128	0.00
62		1,3-Dichlorobenzene	1.661	1.696	2.1	132	0.00
63		1,4-Dichlorobenzene	1.591	1.565	-1.6	129	0.00
64		n-Butylbenzene	1.903	2.082	9.4	137	0.00
65		1,2-Dichlorobenzene	1.392	1.477	6.1	136	0.00
66		1,2-Dibromo-3-chloropropane	0.087	0.108	24.1#	154	0.00
67		Hexachlorobutadiene	0.258	0.323	25.2#	153	0.00
68		1,2,4-Trichlorobenzene	0.345	0.397	15.1	146	0.00
69		Naphthalene	0.485	0.552	13.8	145	0.00
70		1,2,3-Trichlorobenzene	0.243	0.304	25.1#	153	0.00

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

Data File : C:\HPCHEM\1\DATA\K2076.D
Acq On : 19 Mar 2013 8:14
Sample : TB130319AK/CCV -25429
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 24
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 18 13:31:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	131	0.00
2		Dichlorodifluoromethane	10.000	9.334	-6.7	118	0.00
3	P	Chloromethane	10.000	10.366	3.7	136	0.00
4	CP	Vinyl chloride	10.000	11.647	16.5	146	0.00
5		Bromomethane	10.000	10.576	5.8	146	0.00
6		Chloroethane	10.000	10.226	2.3	126	0.01
7		Trichlorofluoromethane	10.000	8.905	-11.0	113	0.00
8	CPM	1,1-Dichloroethene	10.000	8.766	-12.3	111	0.00
9		Methylene chloride	10.000	9.639	-3.6	124	0.00
10		Acetone	20.000	24.681	23.4#	161	0.00
11		trans-1,2-Dichloroethene	10.000	8.671	-13.3	109	0.00
12		Methyl tert-Butyl ether	10.000	10.356	3.6	131	0.00
13	P	1,1-Dichloroethane	10.000	10.847	8.5	138	0.00
14		cis-1,2-Dichloroethene	10.000	9.690	-3.1	123	0.00
15		2,2-Dichloropropane	10.000	10.178	1.8	128	0.00
16		Bromochloromethane	10.000	9.717	-2.8	114	0.00
17	CP	Chloroform	10.000	9.937	-0.6	127	0.00
18		Carbon tetrachloride	10.000	8.513	-14.9	108	0.00
19		1,1,1-Trichloroethane	10.000	9.207	-7.9	117	0.00
20		2-Butanone	20.000	25.793	29.0#	165	0.00
21		1,1-Dichloropropene	10.000	9.580	-4.2	121	0.00
22	M	Benzene	10.000	10.035	0.4	128	0.00
23	S	1,2-Dichloroethane-d4	10.000	10.074	0.7	130	0.00
24		1,2-Dichloroethane	10.000	10.442	4.4	132	0.00
25	M	Trichloroethene	10.000	9.171	-8.3	117	0.00
26		Dibromomethane	10.000	9.731	-2.7	121	0.00
27	CP	1,2-Dichloropropane	10.000	11.332	13.3	144	0.00
28		Bromodichloromethane	10.000	10.168	1.7	127	0.00
29		cis-1,3-Dichloropropene	10.000	10.468	4.7	130	0.00
30	CPM	Toluene	10.000	9.766	-2.3	125	0.00
31		4-Methyl-2-pentanone	20.000	26.255	31.3#	166	0.00
32		trans-1,3-Dichloropropene	10.000	10.673	6.7	130	0.00
33		1,1,2-Trichloroethane	10.000	10.815	8.1	136	0.00
34	I	Chlorobenzene-d5	10.000	10.000	0.0	136	0.00
35	S	Toluene-d8	10.000	8.617	-13.8	122	0.01
36		Tetrachloroethene	10.000	8.453	-15.5	115	0.00
37		Dibromochloromethane	10.000	9.082	-9.2	117	0.00
38		1,3-Dichloropropane	10.000	10.379	3.8	137	0.00
39		1,2-Dibromoethane	10.000	9.514	-4.9	122	0.00
40		1-Chlorohexane	10.000	9.637	-3.6	127	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2076.D
Acq On : 19 Mar 2013 8:14
Sample : TB130319AK/CCV-25429
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 24
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 18 13:31:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	10.000	9.213	-7.9	125	0.00
42	CP	Ethylbenzene	10.000	9.450	-5.5	128	0.00
43		1,1,1,2-Tetrachloroethane	10.000	9.185	-8.1	121	0.00
44		(m+p)-Xylene	20.000	18.017	-9.9	124	0.00
45		o-Xylene	10.000	9.212	-7.9	128	0.00
46		Styrene	10.000	9.479	-5.2	128	0.00
47	P	Bromoform	10.000	8.711	-12.9	123	0.00
48	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	134	0.00
49		Isopropylbenzene	10.000	10.344	3.4	128	0.00
50	S	Bromofluorobenzene	10.000	10.033	0.3	132	0.00
51		Bromobenzene	10.000	10.142	1.4	127	0.00
52		n-Propylbenzene	10.000	10.452	4.5	130	0.00
53	P	1,1,2,2-Tetrachloroethane	10.000	12.014	20.1#	145	0.00
54		2-Chlorotoluene	10.000	10.316	3.2	131	0.00
55		1,3,5-Trimethylbenzene	10.000	9.740	-2.6	129	0.00
56		1,2,3-Trichloropropane	10.000	11.403	14.0	131	0.00
57		4-Chlorotoluene	10.000	10.390	3.9	133	0.00
58		tert-Butylbenzene	10.000	10.057	0.6	130	0.00
59		1,2,4-Trimethylbenzene	10.000	9.664	-3.4	127	0.00
60		sec-Butylbenzene	10.000	10.457	4.6	132	0.00
61		p-Isopropyltoluene	10.000	9.873	-1.3	128	0.00
62		1,3-Dichlorobenzene	10.000	10.216	2.2	132	0.00
63		1,4-Dichlorobenzene	10.000	9.834	-1.7	129	0.00
64		n-Butylbenzene	10.000	10.945	9.5	137	0.00
65		1,2-Dichlorobenzene	10.000	10.610	6.1	136	0.00
66		1,2-Dibromo-3-chloropropane	10.000	12.393	23.9#	154	0.00
67		Hexachlorobutadiene	10.000	12.528	25.3#	153	0.00
68		1,2,4-Trichlorobenzene	10.000	10.459	4.6	146	0.00
69		Naphthalene	10.000	10.408	4.1	145	0.00
70		1,2,3-Trichlorobenzene	10.000	11.057	10.6	153	0.00

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

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25428
Initial Calibration ID:	1860	**File ID:**	K2052.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25428
Initial Calibration ID:	1860	**File ID:**	K2052.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.170	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	97	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25428
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25428
Initial Calibration ID:	1860	**File ID:**	K2052.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	326659	141409 - 565636	
Chlorobenzene-d5	716687	272627 - 1090508	
Fluorobenzene	1778575	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25429
Initial Calibration ID:	1860	**File ID:**	K2080.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25429
Initial Calibration ID:	1860	**File ID:**	K2080.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.190	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	96	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25429
Initial Calibration ID:	1860	**File ID:**	K2080.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	320152	141409 - 565636	
Chlorobenzene-d5	714479	272627 - 1090508	
Fluorobenzene	1752115	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25428

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25428 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2049.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	19.1	96	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.60	96	81 - 129	
1,1,1-Trichloroethane	10	8.96	90	67 - 132	
1,1,2,2-Tetrachloroethane	10	11.1	111	63 - 128	
1,1,2-Trichloroethane	10	10.4	104	75 - 125	
1,1-Dichloroethane	10	10.4	104	69 - 133	
1,1-Dichloroethene	10	8.61	86	68 - 130	
1,1-Dichloropropene	10	9.54	95	73 - 132	
1,2,3-Trichlorobenzene	10	11.8	118	67 - 137	
1,2,3-Trichloropropane	10	10.5	105	73 - 124	
1,2,4-Trichlorobenzene	10	10.9	109	66 - 134	
1,2,4-Trimethylbenzene	10	10.4	104	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.9	119	50 - 132	
1,2-Dibromoethane	10	9.57	96	80 - 121	
1,2-Dichlorobenzene	10	10.7	107	71 - 122	
1,2-Dichloroethane	10	9.85	98	69 - 132	
1,2-Dichloropropane	10	10.9	109	75 - 125	
1,3,5-Trimethylbenzene	10	9.93	99	74 - 131	
1,3-Dichlorobenzene	10	10.2	102	75 - 124	
1,3-Dichloropropane	10	10.3	103	73 - 126	
1,4-Dichlorobenzene	10	10.2	102	74 - 123	
1-Chlorohexane	10	9.92	99	70 - 125	
2,2-Dichloropropane	10	9.79	98	69 - 137	
2-Butanone	20	20.7	103	49 - 136	
2-Chlorotoluene	10	10.2	102	73 - 126	
4-Chlorotoluene	10	10.1	101	74 - 128	
4-Methyl-2-pentanone	20	23.5	117	58 - 134	
Acetone	20	21.0	105	40 - 135	
Benzene	10	9.98	100	81 - 122	
Bromobenzene	10	9.86	99	76 - 124	
Bromochloromethane	10	9.48	95	65 - 129	
Bromodichloromethane	10	9.74	97	76 - 121	
Bromoform	10	8.71	87	69 - 128	
Bromomethane	10	10.2	102	30 - 141	
Carbon tetrachloride	10	8.62	86	66 - 138	
Chlorobenzene	10	9.78	98	81 - 122	
Chloroethane	10	10.3	103	58 - 133	
Chloroform	10	9.27	93	69 - 128	
Chloromethane	10	11.4	114	56 - 131	
cis-1,2-Dichloroethene	10	9.34	93	72 - 126	
cis-1,3-Dichloropropene	10	10.2	103	69 - 131	
Dibromochloromethane	10	9.09	91	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25428

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25428 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2049.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.37	94	76 - 125	
Dichlorodifluoromethane	10	10.1	101	30 - 153	
Ethylbenzene	10	9.79	98	73 - 127	
Hexachlorobutadiene	10	11.9	119	67 - 131	
Isopropylbenzene	10	11.2	112	75 - 127	
Methyl tert-butyl ether	10	9.94	99	65 - 123	
Methylene chloride	10	9.57	96	63 - 137	
n-Butylbenzene	10	11.1	111	69 - 137	
n-Propylbenzene	10	10.6	106	72 - 129	
Naphthalene	10	11.4	114	54 - 138	
o-Xylene	10	9.75	98	80 - 121	
p-Isopropyltoluene	10	10.2	102	73 - 130	
sec-Butylbenzene	10	10.3	103	72 - 127	
Styrene	10	9.86	99	65 - 134	
tert-Butylbenzene	10	10.0	100	70 - 129	
Tetrachloroethene	10	8.80	88	66 - 128	
Toluene	10	10.2	102	77 - 122	
trans-1,2-Dichloroethene	10	8.76	88	63 - 137	
trans-1,3-Dichloropropene	10	10.6	106	59 - 135	
Trichloroethene	10	9.14	91	70 - 127	
Trichlorofluoromethane	10	9.19	92	57 - 129	
Vinyl chloride	10	12.1	121	50 - 134	
Xylenes (total)	30	28.9	96	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	99	72 - 119	
4-Bromofluorobenzene	102	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	384628	141409 - 565636	
Chlorobenzene-d5	718985	272627 - 1090508	
Fluorobenzene	1709006	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25428

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25428 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2071.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	18.0	90	76 - 128	
1,1,1,2-Tetrachloroethane	10	8.96	90	81 - 129	
1,1,1-Trichloroethane	10	8.59	86	67 - 132	
1,1,2,2-Tetrachloroethane	10	11.0	110	63 - 128	
1,1,2-Trichloroethane	10	10.2	102	75 - 125	
1,1-Dichloroethane	10	10.1	101	69 - 133	
1,1-Dichloroethene	10	8.11	81	68 - 130	
1,1-Dichloropropene	10	9.10	91	73 - 132	
1,2,3-Trichlorobenzene	10	11.7	117	67 - 137	
1,2,3-Trichloropropane	10	10.6	106	73 - 124	
1,2,4-Trichlorobenzene	10	10.4	104	66 - 134	
1,2,4-Trimethylbenzene	10	10.2	102	74 - 132	
1,2-Dibromo-3-chloropropane	10	11.8	118	50 - 132	
1,2-Dibromoethane	10	8.95	90	80 - 121	
1,2-Dichlorobenzene	10	10.5	105	71 - 122	
1,2-Dichloroethane	10	9.67	97	69 - 132	
1,2-Dichloropropane	10	10.5	105	75 - 125	
1,3,5-Trimethylbenzene	10	9.68	97	74 - 131	
1,3-Dichlorobenzene	10	9.92	99	75 - 124	
1,3-Dichloropropane	10	9.79	98	73 - 126	
1,4-Dichlorobenzene	10	9.93	99	74 - 123	
1-Chlorohexane	10	9.39	94	70 - 125	
2,2-Dichloropropane	10	9.03	90	69 - 137	
2-Butanone	20	21.7	108	49 - 136	
2-Chlorotoluene	10	10.1	101	73 - 126	
4-Chlorotoluene	10	9.96	100	74 - 128	
4-Methyl-2-pentanone	20	24.0	120	58 - 134	
Acetone	20	21.2	106	40 - 135	
Benzene	10	9.62	96	81 - 122	
Bromobenzene	10	9.50	95	76 - 124	
Bromochloromethane	10	8.79	88	65 - 129	
Bromodichloromethane	10	9.25	92	76 - 121	
Bromoform	10	7.93	79	69 - 128	
Bromomethane	10	9.41	94	30 - 141	
Carbon tetrachloride	10	8.13	81	66 - 138	
Chlorobenzene	10	9.22	92	81 - 122	
Chloroethane	10	9.65	97	58 - 133	
Chloroform	10	8.98	90	69 - 128	
Chloromethane	10	10.5	105	56 - 131	
cis-1,2-Dichloroethene	10	8.86	89	72 - 126	
cis-1,3-Dichloropropene	10	9.68	97	69 - 131	
Dibromochloromethane	10	8.24	82	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25428

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25428 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2071.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	8.95	90	76 - 125	
Dichlorodifluoromethane	10	9.32	93	30 - 153	
Ethylbenzene	10	9.38	94	73 - 127	
Hexachlorobutadiene	10	12.0	120	67 - 131	
Isopropylbenzene	10	11.0	110	75 - 127	
Methyl tert-butyl ether	10	9.66	97	65 - 123	
Methylene chloride	10	9.10	91	63 - 137	
n-Butylbenzene	10	10.9	109	69 - 137	
n-Propylbenzene	10	10.4	104	72 - 129	
Naphthalene	10	11.1	111	54 - 138	
o-Xylene	10	9.17	92	80 - 121	
p-Isopropyltoluene	10	10.1	101	73 - 130	
sec-Butylbenzene	10	10.2	102	72 - 127	
Styrene	10	9.23	92	65 - 134	
tert-Butylbenzene	10	9.87	99	70 - 129	
Tetrachloroethene	10	8.13	81	66 - 128	
Toluene	10	9.79	98	77 - 122	
trans-1,2-Dichloroethene	10	8.22	82	63 - 137	
trans-1,3-Dichloropropene	10	10.1	101	59 - 135	
Trichloroethene	10	8.80	88	70 - 127	
Trichlorofluoromethane	10	8.62	86	57 - 129	
Vinyl chloride	10	11.2	112	50 - 134	
Xylenes (total)	30	27.1	90	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	101	76 - 119	
Toluene-d8	92	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	382230	141409 - 565636	
Chlorobenzene-d5	733803	272627 - 1090508	
Fluorobenzene	1716617	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25429 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2077.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	17.4	87	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.18	92	81 - 129	
1,1,1-Trichloroethane	10	8.57	86	67 - 132	
1,1,2,2-Tetrachloroethane	10	11.4	114	63 - 128	
1,1,2-Trichloroethane	10	9.98	100	75 - 125	
1,1-Dichloroethane	10	10.3	103	69 - 133	
1,1-Dichloroethene	10	8.34	83	68 - 130	
1,1-Dichloropropene	10	8.93	89	73 - 132	
1,2,3-Trichlorobenzene	10	10.4	104	67 - 137	
1,2,3-Trichloropropane	10	11.0	110	73 - 124	
1,2,4-Trichlorobenzene	10	9.81	98	66 - 134	
1,2,4-Trimethylbenzene	10	9.96	100	74 - 132	
1,2-Dibromo-3-chloropropane	10	12.3	123	50 - 132	
1,2-Dibromoethane	10	9.14	91	80 - 121	
1,2-Dichlorobenzene	10	10.3	103	71 - 122	
1,2-Dichloroethane	10	9.60	96	69 - 132	
1,2-Dichloropropane	10	10.5	105	75 - 125	
1,3,5-Trimethylbenzene	10	9.66	97	74 - 131	
1,3-Dichlorobenzene	10	9.97	100	75 - 124	
1,3-Dichloropropane	10	9.84	98	73 - 126	
1,4-Dichlorobenzene	10	9.81	98	74 - 123	
1-Chlorohexane	10	9.38	94	70 - 125	
2,2-Dichloropropane	10	9.13	91	69 - 137	
2-Butanone	20	21.0	105	49 - 136	
2-Chlorotoluene	10	10.2	102	73 - 126	
4-Chlorotoluene	10	9.94	99	74 - 128	
4-Methyl-2-pentanone	20	22.0	110	58 - 134	
Acetone	20	21.4	107	40 - 135	
Benzene	10	9.38	94	81 - 122	
Bromobenzene	10	9.97	100	76 - 124	
Bromochloromethane	10	9.32	93	65 - 129	
Bromodichloromethane	10	9.43	94	76 - 121	
Bromoform	10	8.19	82	69 - 128	
Bromomethane	10	9.22	92	30 - 141	
Carbon tetrachloride	10	7.94	79	66 - 138	
Chlorobenzene	10	9.23	92	81 - 122	
Chloroethane	10	9.45	94	58 - 133	
Chloroform	10	9.22	92	69 - 128	
Chloromethane	10	9.60	96	56 - 131	
cis-1,2-Dichloroethene	10	9.28	93	72 - 126	
cis-1,3-Dichloropropene	10	9.67	97	69 - 131	
Dibromochloromethane	10	8.67	87	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25429 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2077.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.04	90	76 - 125	
Dichlorodifluoromethane	10	8.96	90	30 - 153	
Ethylbenzene	10	9.16	92	73 - 127	
Hexachlorobutadiene	10	11.8	118	67 - 131	
Isopropylbenzene	10	11.4	114	75 - 127	
Methyl tert-butyl ether	10	9.51	95	65 - 123	
Methylene chloride	10	9.13	91	63 - 137	
n-Butylbenzene	10	10.7	107	69 - 137	
n-Propylbenzene	10	10.4	104	72 - 129	
Naphthalene	10	9.81	98	54 - 138	
o-Xylene	10	8.86	89	80 - 121	
p-Isopropyltoluene	10	10.1	101	73 - 130	
sec-Butylbenzene	10	10.2	102	72 - 127	
Styrene	10	8.80	88	65 - 134	
tert-Butylbenzene	10	9.99	100	70 - 129	
Tetrachloroethene	10	8.25	82	66 - 128	
Toluene	10	9.49	95	77 - 122	
trans-1,2-Dichloroethene	10	8.50	85	63 - 137	
trans-1,3-Dichloropropene	10	9.94	99	59 - 135	
Trichloroethene	10	8.75	88	70 - 127	
Trichlorofluoromethane	10	8.85	88	57 - 129	
Vinyl chloride	10	10.9	109	50 - 134	
Xylenes (total)	30	26.3	88	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	396635	141409 - 565636	
Chlorobenzene-d5	810688	272627 - 1090508	
Fluorobenzene	1955329	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25429 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2078.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	17.4	87	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.22	92	81 - 129	
1,1,1-Trichloroethane	10	8.58	86	67 - 132	
1,1,2,2-Tetrachloroethane	10	11.5	115	63 - 128	
1,1,2-Trichloroethane	10	10.3	103	75 - 125	
1,1-Dichloroethane	10	10.2	102	69 - 133	
1,1-Dichloroethene	10	8.17	82	68 - 130	
1,1-Dichloropropene	10	8.97	90	73 - 132	
1,2,3-Trichlorobenzene	10	10.9	109	67 - 137	
1,2,3-Trichloropropane	10	11.2	112	73 - 124	
1,2,4-Trichlorobenzene	10	10.0	100	66 - 134	
1,2,4-Trimethylbenzene	10	9.86	99	74 - 132	
1,2-Dibromo-3-chloropropane	10	12.2	122	50 - 132	
1,2-Dibromoethane	10	9.20	92	80 - 121	
1,2-Dichlorobenzene	10	10.4	104	71 - 122	
1,2-Dichloroethane	10	9.65	97	69 - 132	
1,2-Dichloropropane	10	10.5	105	75 - 125	
1,3,5-Trimethylbenzene	10	9.44	94	74 - 131	
1,3-Dichlorobenzene	10	9.84	98	75 - 124	
1,3-Dichloropropane	10	10.1	101	73 - 126	
1,4-Dichlorobenzene	10	9.85	98	74 - 123	
1-Chlorohexane	10	9.43	94	70 - 125	
2,2-Dichloropropane	10	9.06	91	69 - 137	
2-Butanone	20	21.7	108	49 - 136	
2-Chlorotoluene	10	10.0	100	73 - 126	
4-Chlorotoluene	10	9.76	98	74 - 128	
4-Methyl-2-pentanone	20	23.4	117	58 - 134	
Acetone	20	20.2	101	40 - 135	
Benzene	10	9.48	95	81 - 122	
Bromobenzene	10	9.87	99	76 - 124	
Bromochloromethane	10	9.16	92	65 - 129	
Bromodichloromethane	10	9.53	95	76 - 121	
Bromoform	10	8.39	84	69 - 128	
Bromomethane	10	9.11	91	30 - 141	
Carbon tetrachloride	10	8.03	80	66 - 138	
Chlorobenzene	10	9.30	93	81 - 122	
Chloroethane	10	9.35	94	58 - 133	
Chloroform	10	9.16	92	69 - 128	
Chloromethane	10	9.81	98	56 - 131	
cis-1,2-Dichloroethene	10	9.08	91	72 - 126	
cis-1,3-Dichloropropene	10	9.75	98	69 - 131	
Dibromochloromethane	10	8.76	88	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25429 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2078.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.21	92	76 - 125	
Dichlorodifluoromethane	10	8.84	88	30 - 153	
Ethylbenzene	10	9.18	92	73 - 127	
Hexachlorobutadiene	10	11.6	116	67 - 131	
Isopropylbenzene	10	11.1	111	75 - 127	
Methyl tert-butyl ether	10	9.73	97	65 - 123	
Methylene chloride	10	9.08	91	63 - 137	
n-Butylbenzene	10	10.6	106	69 - 137	
n-Propylbenzene	10	10.2	102	72 - 129	
Naphthalene	10	10.5	105	54 - 138	
o-Xylene	10	8.88	89	80 - 121	
p-Isopropyltoluene	10	9.79	98	73 - 130	
sec-Butylbenzene	10	9.96	100	72 - 127	
Styrene	10	8.81	88	65 - 134	
tert-Butylbenzene	10	9.70	97	70 - 129	
Tetrachloroethene	10	8.33	83	66 - 128	
Toluene	10	9.62	96	77 - 122	
trans-1,2-Dichloroethene	10	8.31	83	63 - 137	
trans-1,3-Dichloropropene	10	10.1	101	59 - 135	
Trichloroethene	10	8.80	88	70 - 127	
Trichlorofluoromethane	10	8.69	87	57 - 129	
Vinyl chloride	10	10.8	108	50 - 134	
Xylenes (total)	30	26.3	88	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	104	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	419264	141409 - 565636	
Chlorobenzene-d5	835786	272627 - 1090508	
Fluorobenzene	1994164	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25428

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25428 **MS ID:** LCS-25428 **MSD ID:** LCSD-25428

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	19.1	96	18.0	90	6	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	9.60	96	8.96	90	7	81 - 129	20	
1,1,1-Trichloroethane		10.0	8.96	90	8.59	86	4	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	11.1	111	11.0	110	1	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.4	104	10.2	102	2	75 - 125	20	
1,1-Dichloroethane		10.0	10.4	104	10.1	101	4	69 - 133	20	
1,1-Dichloroethene		10.0	8.61	86	8.11	81	6	68 - 130	20	
1,1-Dichloropropene		10.0	9.54	95	9.10	91	5	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	11.8	118	11.7	117	1	67 - 137	20	
1,2,3-Trichloropropane		10.0	10.5	105	10.6	106	1	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	10.9	109	10.4	104	4	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	10.4	104	10.2	102	2	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	11.9	119	11.8	118	1	50 - 132	20	
1,2-Dibromoethane		10.0	9.57	96	8.95	90	7	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.7	107	10.5	105	2	71 - 122	20	
1,2-Dichloroethane		10.0	9.85	98	9.67	97	2	69 - 132	20	
1,2-Dichloropropane		10.0	10.9	109	10.5	105	3	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.93	99	9.68	97	3	74 - 131	20	
1,3-Dichlorobenzene		10.0	10.2	102	9.92	99	3	75 - 124	20	
1,3-Dichloropropane		10.0	10.3	103	9.79	98	5	73 - 126	20	
1,4-Dichlorobenzene		10.0	10.2	102	9.93	99	2	74 - 123	20	
1-Chlorohexane		10.0	9.92	99	9.39	94	5	70 - 125	20	
2,2-Dichloropropane		10.0	9.79	98	9.03	90	8	69 - 137	20	
2-Butanone		20.0	20.7	103	21.7	108	5	49 - 136	20	
2-Chlorotoluene		10.0	10.2	102	10.1	101	1	73 - 126	20	
4-Chlorotoluene		10.0	10.1	101	9.96	100	2	74 - 128	20	
4-Methyl-2-pentanone		20.0	23.5	117	24.0	120	2	58 - 134	20	
Acetone		20.0	21.0	105	21.2	106	1	40 - 135	20	
Benzene		10.0	9.98	100	9.62	96	4	81 - 122	20	
Bromobenzene		10.0	9.86	99	9.50	95	4	76 - 124	20	
Bromochloromethane		10.0	9.48	95	8.79	88	8	65 - 129	20	
Bromodichloromethane		10.0	9.74	97	9.25	92	5	76 - 121	20	
Bromoform		10.0	8.71	87	7.93	79	9	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25428

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25428 **MS ID:** LCS-25428 **MSD ID:** LCSD-25428

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	10.2	102	9.41	94	8	30 - 141	20	
Carbon tetrachloride		10.0	8.62	86	8.13	81	6	66 - 138	20	
Chlorobenzene		10.0	9.78	98	9.22	92	6	81 - 122	20	
Chloroethane		10.0	10.3	103	9.65	97	6	58 - 133	20	
Chloroform		10.0	9.27	93	8.98	90	3	69 - 128	20	
Chloromethane		10.0	11.4	114	10.5	105	9	56 - 131	20	
cis-1,2-Dichloroethene		10.0	9.34	93	8.86	89	5	72 - 126	20	
cis-1,3-Dichloropropene		10.0	10.2	103	9.68	97	6	69 - 131	20	
Dibromochloromethane		10.0	9.09	91	8.24	82	10	66 - 133	20	
Dibromomethane		10.0	9.37	94	8.95	90	5	76 - 125	20	
Dichlorodifluoromethane		10.0	10.1	101	9.32	93	8	30 - 153	20	
Ethylbenzene		10.0	9.79	98	9.38	94	4	73 - 127	20	
Hexachlorobutadiene		10.0	11.9	119	12.0	120	0	67 - 131	20	
Isopropylbenzene		10.0	11.2	112	11.0	110	2	75 - 127	20	
Methyl tert-butyl ether		10.0	9.94	99	9.66	97	3	65 - 123	20	
Methylene chloride		10.0	9.57	96	9.10	91	5	63 - 137	20	
n-Butylbenzene		10.0	11.1	111	10.9	109	2	69 - 137	20	
n-Propylbenzene		10.0	10.6	106	10.4	104	2	72 - 129	20	
Naphthalene		10.0	11.4	114	11.1	111	3	54 - 138	20	
o-Xylene		10.0	9.75	98	9.17	92	6	80 - 121	20	
p-Isopropyltoluene		10.0	10.2	102	10.1	101	2	73 - 130	20	
sec-Butylbenzene		10.0	10.3	103	10.2	102	1	72 - 127	20	
Styrene		10.0	9.86	99	9.23	92	7	65 - 134	20	
tert-Butylbenzene		10.0	10.0	100	9.87	99	2	70 - 129	20	
Tetrachloroethene		10.0	8.80	88	8.13	81	8	66 - 128	20	
Toluene		10.0	10.2	102	9.79	98	4	77 - 122	20	
trans-1,2-Dichloroethene		10.0	8.76	88	8.22	82	6	63 - 137	20	
trans-1,3-Dichloropropene		10.0	10.6	106	10.1	101	5	59 - 135	20	
Trichloroethene		10.0	9.14	91	8.80	88	4	70 - 127	20	
Trichlorofluoromethane		10.0	9.19	92	8.62	86	6	57 - 129	20	
Vinyl chloride		10.0	12.1	121	11.2	112	8	50 - 134	20	
Xylenes (total)		30.0	28.9	96	27.1	90	6	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25429 **MS ID:** LCS-25429 **MSD ID:** LCSD-25429

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	17.4	87	17.4	87	0	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	9.18	92	9.22	92	0	81 - 129	20	
1,1,1-Trichloroethane		10.0	8.57	86	8.58	86	0	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	11.4	114	11.5	115	1	63 - 128	20	
1,1,2-Trichloroethane		10.0	9.98	100	10.3	103	3	75 - 125	20	
1,1-Dichloroethane		10.0	10.3	103	10.2	102	2	69 - 133	20	
1,1-Dichloroethene		10.0	8.34	83	8.17	82	2	68 - 130	20	
1,1-Dichloropropene		10.0	8.93	89	8.97	90	0	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	10.4	104	10.9	109	5	67 - 137	20	
1,2,3-Trichloropropane		10.0	11.0	110	11.2	112	2	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	9.81	98	10.0	100	2	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	9.96	100	9.86	99	1	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	12.3	123	12.2	122	0	50 - 132	20	
1,2-Dibromoethane		10.0	9.14	91	9.20	92	1	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.3	103	10.4	104	1	71 - 122	20	
1,2-Dichloroethane		10.0	9.60	96	9.65	97	1	69 - 132	20	
1,2-Dichloropropane		10.0	10.5	105	10.5	105	1	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.66	97	9.44	94	2	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.97	100	9.84	98	1	75 - 124	20	
1,3-Dichloropropane		10.0	9.84	98	10.1	101	3	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.81	98	9.85	98	0	74 - 123	20	
1-Chlorohexane		10.0	9.38	94	9.43	94	1	70 - 125	20	
2,2-Dichloropropane		10.0	9.13	91	9.06	91	1	69 - 137	20	
2-Butanone		20.0	21.0	105	21.7	108	3	49 - 136	20	
2-Chlorotoluene		10.0	10.2	102	10.0	100	2	73 - 126	20	
4-Chlorotoluene		10.0	9.94	99	9.76	98	2	74 - 128	20	
4-Methyl-2-pentanone		20.0	22.0	110	23.4	117	6	58 - 134	20	
Acetone		20.0	21.4	107	20.2	101	5	40 - 135	20	
Benzene		10.0	9.38	94	9.48	95	1	81 - 122	20	
Bromobenzene		10.0	9.97	100	9.87	99	1	76 - 124	20	
Bromochloromethane		10.0	9.32	93	9.16	92	2	65 - 129	20	
Bromodichloromethane		10.0	9.43	94	9.53	95	1	76 - 121	20	
Bromoform		10.0	8.19	82	8.39	84	2	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25429 **MS ID:** LCS-25429 **MSD ID:** LCSD-25429

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	9.22	92	9.11	91	1	30 - 141	20	
Carbon tetrachloride		10.0	7.94	79	8.03	80	1	66 - 138	20	
Chlorobenzene		10.0	9.23	92	9.30	93	1	81 - 122	20	
Chloroethane		10.0	9.45	94	9.35	94	1	58 - 133	20	
Chloroform		10.0	9.22	92	9.16	92	1	69 - 128	20	
Chloromethane		10.0	9.60	96	9.81	98	2	56 - 131	20	
cis-1,2-Dichloroethene		10.0	9.28	93	9.08	91	2	72 - 126	20	
cis-1,3-Dichloropropene		10.0	9.67	97	9.75	98	1	69 - 131	20	
Dibromochloromethane		10.0	8.67	87	8.76	88	1	66 - 133	20	
Dibromomethane		10.0	9.04	90	9.21	92	2	76 - 125	20	
Dichlorodifluoromethane		10.0	8.96	90	8.84	88	1	30 - 153	20	
Ethylbenzene		10.0	9.16	92	9.18	92	0	73 - 127	20	
Hexachlorobutadiene		10.0	11.8	118	11.6	116	2	67 - 131	20	
Isopropylbenzene		10.0	11.4	114	11.1	111	2	75 - 127	20	
Methyl tert-butyl ether		10.0	9.51	95	9.73	97	2	65 - 123	20	
Methylene chloride		10.0	9.13	91	9.08	91	1	63 - 137	20	
n-Butylbenzene		10.0	10.7	107	10.6	106	1	69 - 137	20	
n-Propylbenzene		10.0	10.4	104	10.2	102	2	72 - 129	20	
Naphthalene		10.0	9.81	98	10.5	105	7	54 - 138	20	
o-Xylene		10.0	8.86	89	8.88	89	0	80 - 121	20	
p-Isopropyltoluene		10.0	10.1	101	9.79	98	3	73 - 130	20	
sec-Butylbenzene		10.0	10.2	102	9.96	100	2	72 - 127	20	
Styrene		10.0	8.80	88	8.81	88	0	65 - 134	20	
tert-Butylbenzene		10.0	9.99	100	9.70	97	3	70 - 129	20	
Tetrachloroethene		10.0	8.25	82	8.33	83	1	66 - 128	20	
Toluene		10.0	9.49	95	9.62	96	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	8.50	85	8.31	83	2	63 - 137	20	
trans-1,3-Dichloropropene		10.0	9.94	99	10.1	101	1	59 - 135	20	
Trichloroethene		10.0	8.75	88	8.80	88	1	70 - 127	20	
Trichlorofluoromethane		10.0	8.85	88	8.69	87	2	57 - 129	20	
Vinyl chloride		10.0	10.9	109	10.8	108	1	50 - 134	20	
Xylenes (total)		30.0	26.3	88	26.3	88	0	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R25428

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
WSAM1615LA	K1303152-001B	13-Mar-13	14-Mar-13	18-Mar-13			18-Mar-13	14	4.8	
WSAM1814LA	K1303176-004B	14-Mar-13	15-Mar-13	18-Mar-13			18-Mar-13	14	3.8	
WSAM1918LA	K1303176-005B	14-Mar-13	15-Mar-13	18-Mar-13			18-Mar-13	14	4.1	
031413LE	K1303176-006B	14-Mar-13	15-Mar-13	18-Mar-13			18-Mar-13	14	3.9	
031413LF	K1303176-007A	14-Mar-13	15-Mar-13	18-Mar-13			18-Mar-13	14	3.9	
031413LR	K1303176-008A	14-Mar-13	15-Mar-13	18-Mar-13			18-Mar-13	14	4.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
WSAM0909LA	K1303205-001B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4.2	
WSAM1722LA	K1303205-002B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4	
WSAM2124LA	K1303205-003B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1860

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB130122AK	TB130122AK	22-Jan-13	6:45	22-Jan-13	8:05
MDLV/ICAL 0.2	MDLV/ICAL 0.25 ppb	22-Jan-13	8:05	22-Jan-13	8:35
MDLV/ICAL 0.5	MDLV/ICAL 0.50 ppb	22-Jan-13	8:35	22-Jan-13	9:05
MDLV/ICAL 1.0	MDLV/ICAL 1.0 ppb	22-Jan-13	9:05	22-Jan-13	9:35
MDLV/ICAL 2.0	MDLV/ICAL 2.0 ppb	22-Jan-13	9:35	22-Jan-13	10:05
ICAL 10 ppb	ICAL 10 ppb	22-Jan-13	10:05	22-Jan-13	11:05
ICAL 20 ppb	ICAL 20 ppb	22-Jan-13	11:05	22-Jan-13	11:56
ICAL 30 ppb	ICAL 30 ppb	22-Jan-13	11:56	22-Jan-13	12:26
ICAL 40 ppb	ICAL 40 ppb	22-Jan-13	12:26	22-Jan-13	13:26
ICAL 60 ppb	ICAL 60 ppb	22-Jan-13	13:26	22-Jan-13	14:26
ICAL 80 ppb	ICAL 80 ppb	22-Jan-13	14:26	~~14-Mar-13~~ 1/22/13 ~~7:27~~ 14:56 SK 4/2/13	
2SRC-25407	2SRC-25407	14-Mar-13	7:27	14-Mar-13	7:57
TB130318AK	TB130318AK	18-Mar-13	7:25	18-Mar-13	7:56
LCS-25428	LCS-25428	18-Mar-13	7:25	18-Mar-13	7:56
CCV-25428	CCV-25428	18-Mar-13	7:56	18-Mar-13	8:58
MB-25428	MB-25428	18-Mar-13	8:58	18-Mar-13	10:53
WSAM1615LA	K1303152-001B	18-Mar-13	10:53	18-Mar-13	11:24
WSAM1814LA	K1303176-004B	18-Mar-13	11:24	18-Mar-13	12:57
031413LF	K1303176-007A	18-Mar-13	12:57	18-Mar-13	13:28
031413LR	K1303176-008A	18-Mar-13	13:28	18-Mar-13	14:30
WSAM1918LA	K1303176-005B	18-Mar-13	14:30	18-Mar-13	15:01
031413LE	K1303176-006B	18-Mar-13	15:01	18-Mar-13	19:40
LCSD-25428	LCSD-25428	18-Mar-13	19:40	18-Mar-13	19:40
TB130319AK	TB130319AK	19-Mar-13	8:14	19-Mar-13	8:54
CCV-25429	CCV-25429	19-Mar-13	8:14	19-Mar-13	8:54
LCS-25429	LCS-25429	19-Mar-13	8:54	19-Mar-13	9:25
LCSD-25429	LCSD-25429	19-Mar-13	9:25	19-Mar-13	10:27
MB-25429	MB-25429	19-Mar-13	10:27	19-Mar-13	15:46
WSAM0909LA	K1303205-001B	19-Mar-13	15:46	19-Mar-13	16:17
WSAM1722LA	K1303205-002B	19-Mar-13	16:17	19-Mar-13	16:48
WSAM2124LA	K1303205-003B	19-Mar-13	16:48	19-Mar-13	17:18

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130122A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	1/22/2013 6:45:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K1735.D
Compound:	SW8260B	**Sample ID:**	TB130122AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	17.5	
75	30 - 60% of m/z 95	45.5	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	62.1	
175	5 - 9% of m/z 174	7.3	
176	Greater than 95% but less than 101% of m/z 174	96.6	
177	5 - 9% of m/z 176	6.5	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130318A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	3/18/2013 7:25:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K2049.D
Compound:	SW8260B	**Sample ID:**	TB130318AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	21.2	
75	30 - 60% of m/z 95	48.6	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.8	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	60.6	
175	5 - 9% of m/z 174	7.0	
176	Greater than 95% but less than 101% of m/z 174	95.3	
177	5 - 9% of m/z 176	6.6	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130319B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	3/19/2013 8:14:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K2076.D
Compound:	SW8260B	**Sample ID:**	TB130319AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	21.8	
75	30 - 60% of m/z 95	50.7	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	58.9	
175	5 - 9% of m/z 174	7.6	
176	Greater than 95% but less than 101% of m/z 174	96.4	
177	5 - 9% of m/z 176	6.9	

Dissolved Gases Data

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16783

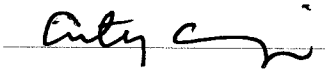
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM1615LA	K1303152-001B
WSAM1814LA	K1303176-004B
WSAM1918LA	K1303176-005B
031413LE	K1303176-006B
WSAM0909LA	K1303205-001B
WSAM1722LA	K1303205-002B
WSAM2124LA	K1303205-003B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032505.rst
Date Received:	14-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	36.18 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.99	2.1	0.99	1		U
Ethene	0.74	1.8	0.74	1		U
Methane	0.50	1.8	0.50	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032506.rst
Date Received:	15-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	38.11 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.94	2.0	0.94	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.47	1.7	0.47	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032507.rst
Date Received:	15-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	38.25 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.94	2.0	0.94	1		**U**
Ethene	0.70	1.7	0.70	1		**U**
Methane	0.47	1.7	0.47	1		**U**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032508.rst
Date Received:	15-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	38.49 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.93	2.0	0.93	1		**U**
Ethene	0.70	1.7	0.70	1		**U**
Methane	0.47	1.7	0.47	1		**U**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032509.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.67 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.48	1.7	0.48	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032510.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.43 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.96	2.1	0.96	1		**U**
Ethene	0.72	1.7	0.72	1		**U**
Methane	0.48	1.7	0.48	1		**U**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032511.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.9 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		**U**
Ethene	0.71	1.7	0.71	1		**U**
Methane	0.47	1.7	6.7	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Date of Initial Calibration:**	29-Mar-12
Initial Calibration ID:	1846	**Concentration Units:**	ug/L

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

INITIAL CALIBRATION

INSTRUMENT: HP5890-OSI

COLUMN: ALUMINA

SEQUENCE: OS032912G

DISSOLVED GASES

Turbochrom Method File E:\Methods\EGAS032912.mth
Printed by : manager on: 03/29/12 11:18:36
Created by : manager on: 03/29/12 08:11:02
Edited by : manager on: 03/29/12 11:18:20
Number of Times Edited : 2
Number of Times Calibrated : 41
Description: Dissolved Gases Calibration

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : No
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

Methane
Component Type : Single Peak Component
Retention Time : 1.389 min
Search Window : 2.76 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	3.3030	9810.12	2556.66	----------	----------	1
2	6.6060	19522.97	4876.19	----------	----------	1
3	33.0300	94579.25	23794.48	----------	----------	1
4	132.1200	401986.60	95930.84	----------	----------	1
5	330.3000	963815.17	183011.67	----------	----------	1
6	660.6000	1860812.47	291414.24	----------	----------	1

Average Calibration Factor = 2927.712712 (%RSD = 2.74)

Ethane
Component Type : Single Peak Component
Retention Time : 1.573 min
Search Window : 8.22 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	6.1925	18730.42	5530.53	----------	----------	1
2	12.3850	37565.45	10572.92	----------	----------	1
3	61.9250	185609.47	52198.90	----------	----------	1
4	247.7000	791295.57	202608.59	----------	----------	1
5	619.2500	1900074.54	354708.60	----------	----------	1
6	1238.5000	3908003.47	513286.64	----------	----------	1

Average Calibration Factor = 3078.919268 (%RSD = 2.56)

Ethene
Component Type : Single Peak Component
Retention Time : 1.855 min
Search Window : 35.94 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

03/29/12 11:18:36 Method: E:\Methods\EGAS032912.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	5.7935	18777.64	5363.00	----------	----------	1
2	11.5870	37580.68	10251.39	----------	----------	1
3	57.9350	185112.29	50531.27	----------	----------	1
4	231.7400	789448.94	197806.51	----------	----------	1
5	579.3500	1902333.95	354622.52	----------	----------	1
6	1158.7000	3876043.61	516495.39	----------	----------	1

Average Calibration Factor = 3285.837218 (%RSD = 2.36)

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	RSK 175	**AAB #:**	R23997
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	GCOS_17E	**Initial Calibration ID:**	1846
Second Source ID:	50UL STD #493	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Ethane	61.74	63	2.1	
Ethene	57.53	58	1.4	
Methane	32.91	33	-0.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Initial Calibration ID:**	1846

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

DISSOLVED GASES BY FID
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-OSI SEQUENCE: os032513g.SEQ COLUMN: ALUMINA

		Name:	50ul STD	Name:	50ul STD	Name:		Name:	
		File:	E032501	File:	E032512	File:		File:	
		Date:	3/25/13	Date:	3/25/13	Date:		Date:	
		Time	8:19	Time	10:18	Time		Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79	31.40900	4	30.43800	7				
Ethane	61.50	58.95000	4	57.24300	7				
Ethene	58.05	55.20100	5	53.47100	8				
Propane	89.50								

		Name:		Name:		Name:		Name:	
		File:		File:		File:		File:	
		Date:		Date:		Date:		Date:	
		Time		Time		Time		Time	
Parameter	Nominal Amount(ng)	Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79								
Ethane	61.50								
Ethene	58.05								
Propane	89.50								

Page 1

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-16783
Initial Calibration ID:	1846	**File ID:**	E:\Osimar13\E032502.rst

Analyte	Method Blank	RL	Q
Ethane	0.95	6.0	**U**
Ethene	0.71	5.0	**U**
Methane	0.47	5.0	**U**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-16783 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osimar13\E032503.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	16.209974	17	103	65 - 115	
Ethene	15.034121	9.9	66	65 - 115	
Methane	8.5669291	8.5	99	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-16783 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osimar13\E032504.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	16.495726	17	106	65 - 115	
Ethene	15.384615	10	67	65 - 115	
Methane	8.8034188	8.5	97	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-16783 **MS ID:** LCS-16783 **MSD ID:** LCSD-16783

Calibration ID: 1846

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Ethane		16	17	103	17	106	4	65 - 115	20	
Ethene		15	9.9	66	10	67	4	65 - 115	20	
Methane		8.8	8.5	99	8.5	97	0	60 - 120	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
WSAM1615LA	K1303152-001B	13-Mar-13	14-Mar-13	25-Mar-13	14	11.7	25-Mar-13	14	0	
WSAM1814LA	K1303176-004B	14-Mar-13	15-Mar-13	25-Mar-13	14	10.7	25-Mar-13	14	0.1	
WSAM1918LA	K1303176-005B	14-Mar-13	15-Mar-13	25-Mar-13	14	10.9	25-Mar-13	14	0.1	
031413LE	K1303176-006B	14-Mar-13	15-Mar-13	25-Mar-13	14	10.6	25-Mar-13	14	0.1	
WSAM0909LA	K1303205-001B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.9	25-Mar-13	14	0.1	
WSAM1722LA	K1303205-002B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.7	25-Mar-13	14	0.1	
WSAM2124LA	K1303205-003B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.8	25-Mar-13	14	0.1	

Comments:

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-OSI Column: Alumina Sequence: OS032912G.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
1	1	BLANK AIR		E032901	03/29/12	09:22	1	1	1	
2	2	1000ul STD	ICAL	E032902	03/29/12	09:34	1	1	1	
3	3	500ul STD	ICAL	E032903	03/29/12	09:51	1	1	1	
4	4	200ul STD	ICAL	E032904	03/29/12	10:03	1	1	1	
5	5	50ul STD	ICAL	E032905	03/29/12	10:25	1	1	1	
6	6	10ul STD	ICAL	E032906	03/29/12	10:37	1	1	1	
7	7	5ul STD	ICAL	E032907	03/29/12	10:48	1	1	1	

Comments: 1)

2)

Analyst/Date CAS 3/29/12

Supervisor/Date: CAS 3/29/12

Method:8081,8082,608,8151, 8015=K981DG RSK-175

Circle method used; note in comment column if additional methods referenced

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AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: RSK 175 **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCOS_17E **Calibration ID:** 1846

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
50ul STD	50ul STD	25-Mar-13	8:19	25-Mar-13	8:30
MB-16783	MB-16783	25-Mar-13	8:30	25-Mar-13	8:41
LCS-16783	LCS-16783	25-Mar-13	8:41	25-Mar-13	8:52
LCSD-16783	LCSD-16783	25-Mar-13	8:52	25-Mar-13	9:03
WSAM1615LA	K1303152-001B	25-Mar-13	9:03	25-Mar-13	9:15
WSAM1814LA	K1303176-004B	25-Mar-13	9:15	25-Mar-13	9:25
WSAM1918LA	K1303176-005B	25-Mar-13	9:25	25-Mar-13	9:35
031413LE	K1303176-006B	25-Mar-13	9:35	25-Mar-13	9:46
WSAM0909LA	K1303205-001B	25-Mar-13	9:46	25-Mar-13	9:57
WSAM1722LA	K1303205-002B	25-Mar-13	9:57	25-Mar-13	10:08
WSAM2124LA	K1303205-003B	25-Mar-13	10:08	25-Mar-13	10:18
50ul STD	50ul STD	25-Mar-13	10:18	25-Mar-13	12:49

Comments:

Dissolved Organic Carbon Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R25461

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM1615LA	K1303152-001C
817M0109LA	K1303176-001A
817M0208LA	K1303176-002A
817M0208LA DL	K1303176-002ADL
817M0306LA	K1303176-003A
WSAM1814LA	K1303176-004C
WSAM1918LA	K1303176-005C
031413LE	K1303176-006C
WSAM0909LA	K1303205-001C
WSAM1722LA	K1303205-002C
WSAM2124LA	K1303205-003C

Comments:

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

Signature: _____ Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0109LA	**Lab Sample ID:**	K1303176-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	4.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0208LA	**Lab Sample ID:**	K1303176-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	200	1	J

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0208LA DL	**Lab Sample ID:**	K1303176-002ADL	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	10	21	230	21	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	817M0306LA	**Lab Sample ID:**	K1303176-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.81	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031413LE	**Lab Sample ID:**	K1303176-006C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25461		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.61	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25461	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	25-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc.

Instrument ID: TOC-5000A

Initial Calibration ID: 1864

AAB #: R25461

Contract #:

Date of Initial Calibration: 12-Feb-13

Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999739	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SM 5310 B **AAB #:** R25461

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: TOC-5000A **Initial Calibration ID:** 1864

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	10.5	5.2	10.0	10.5	4.9	10.2	2.4	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25461

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1864

Method Blank ID: MB-25461 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	0.033	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25461

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1864

Method Blank ID: MB-25461 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.023	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25461

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1864

Method Blank ID: MB-25461 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	-0.013	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B **AAB #:** R25461

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25461 **Initial Calibration ID:** 1864

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	10.5	105	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R25461

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
WSAM1615LA	K1303152-001C	13-Mar-13	14-Mar-13	25-Mar-13	28	11.8	
817M0109LA	K1303176-001A	14-Mar-13	15-Mar-13	25-Mar-13	28	10.9	
817M0208LA	K1303176-002A	14-Mar-13	15-Mar-13	25-Mar-13	28	10.9	
817M0208LA DL	K1303176-002ADL	14-Mar-13	15-Mar-13	25-Mar-13	28	10.9	
817M0306LA	K1303176-003A	14-Mar-13	15-Mar-13	25-Mar-13	28	10.8	
WSAM1814LA	K1303176-004C	14-Mar-13	15-Mar-13	25-Mar-13	28	10.8	
WSAM1918LA	K1303176-005C	14-Mar-13	15-Mar-13	25-Mar-13	28	11.0	
031413LE	K1303176-006C	14-Mar-13	15-Mar-13	25-Mar-13	28	10.8	
WSAM0909LA	K1303205-001C	15-Mar-13	18-Mar-13	25-Mar-13	28	10.1	
WSAM1722LA	K1303205-002C	15-Mar-13	18-Mar-13	25-Mar-13	28	9.9	
WSAM2124LA	K1303205-003C	15-Mar-13	18-Mar-13	25-Mar-13	28	10	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: TOC-5000A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
S0	S0	12-Feb-13	8:24	12-Feb-13	8:34
S1	S1	12-Feb-13	8:34	12-Feb-13	8:48
S10	S10	12-Feb-13	8:48	12-Feb-13	8:59
S20	S20	12-Feb-13	8:59	12-Feb-13	8:59
ICV	ICV	25-Mar-13	7:35	25-Mar-13	7:36
LCS-25461	LCS-25461	25-Mar-13	7:36	25-Mar-13	7:50
ICB	ICB	25-Mar-13	7:50	25-Mar-13	7:51
MB-25461	MB-25461	25-Mar-13	7:51	25-Mar-13	9:30
817M0109LA	K1303176-001A	25-Mar-13	9:30	25-Mar-13	9:43
817M0208LA	K1303176-002A	25-Mar-13	9:43	25-Mar-13	10:21
817M0208LA DL	K1303176-002ADL	25-Mar-13	10:21	25-Mar-13	10:42
817M0306LA	K1303176-003A	25-Mar-13	10:42	25-Mar-13	10:50
WSAM1814LA	K1303176-004C	25-Mar-13	10:50	25-Mar-13	11:03
WSAM1918LA	K1303176-005C	25-Mar-13	11:03	25-Mar-13	11:23
031413LE	K1303176-006C	25-Mar-13	11:23	25-Mar-13	11:58
WSAM1615LA	K1303152-001C	25-Mar-13	11:58	25-Mar-13	12:16
WSAM0909LA	K1303205-001C	25-Mar-13	12:16	25-Mar-13	12:30
WSAM1722LA	K1303205-002C	25-Mar-13	12:30	25-Mar-13	12:50
CCV1	CCV1	25-Mar-13	12:50	25-Mar-13	13:03
CCB1	CCB1	25-Mar-13	13:03	25-Mar-13	13:12
WSAM2124LA	K1303205-003C	25-Mar-13	13:12	25-Mar-13	15:08
CCV2	CCV2	25-Mar-13	15:08	25-Mar-13	15:19
CCB2	CCB2	25-Mar-13	15:19	25-Mar-13	15:19

Comments:

Sulfate Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
WSAM1615LA	K1303152-001A
WSAM1814LA	K1303176-004A
WSAM1918LA	K1303176-005A
031413LE	K1303176-006A
WSAM0909LA	K1303205-001A
WSAM1722LA	K1303205-002A
WSAM2124LA	K1303205-003A

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 4-2-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1615LA	**Lab Sample ID:**	K1303152-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	14-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	9.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1814LA	**Lab Sample ID:**	K1303176-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	12	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1918LA	**Lab Sample ID:**	K1303176-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	15-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	8.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 031413LE **Lab Sample ID:** K1303176-006A **Matrix:** Water Q

% Solids: 0 **Initial Calibration ID:** 1867

Date Received: 15-Mar-13 **Date Prepared:** **Date Analyzed:** 28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM0909LA	**Lab Sample ID:**	K1303205-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	20	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM1722LA	**Lab Sample ID:**	K1303205-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	5.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	WSAM2124LA	**Lab Sample ID:**	K1303205-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	18	1	

Comments:

AFCEE

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc.

Instrument ID: IC

Initial Calibration ID: 1867

AAB #: R25468

Contract #:

Date of Initial Calibration: 25-Mar-13

Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Sulfate (as SO4)	0.5	1	5	10	20	50	0.1	0	0	0	0.99987	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SW9056	**AAB #:**	R25468
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	IC	**Initial Calibration ID:**	1867
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Sulfate (as SO4)	10.0	10.5	4.5	10.0	10.5	5.3	10.5	5.5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.33	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.40	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25468 **Initial Calibration ID:** 1867

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	10	10.5	105	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25468 **Initial Calibration ID:** 1867

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	10	10.6	106	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
WSAM1615LA	K1303152-001A	13-Mar-13	14-Mar-13	28-Mar-13	28	14.8	
WSAM1814LA	K1303176-004A	14-Mar-13	15-Mar-13	28-Mar-13	28	13.8	
WSAM1918LA	K1303176-005A	14-Mar-13	15-Mar-13	28-Mar-13	28	14.0	
031413LE	K1303176-006A	14-Mar-13	15-Mar-13	28-Mar-13	28	13.8	
WSAM0909LA	K1303205-001A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.1	
WSAM1722LA	K1303205-002A	15-Mar-13	18-Mar-13	28-Mar-13	28	12.9	
WSAM2124LA	K1303205-003A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: IC

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
ical 7	ical 7	25-Mar-13	14:38	25-Mar-13	15:03
ical 1	ical 1	25-Mar-13	15:03	25-Mar-13	15:20
ical 2	ical 2	25-Mar-13	15:20	25-Mar-13	15:37
ical 3	ical 3	25-Mar-13	15:37	25-Mar-13	15:54
ical 4	ical 4	25-Mar-13	15:54	25-Mar-13	16:11
ical 5	ical 5	25-Mar-13	16:11	25-Mar-13	16:28
ical 6	ical 6	25-Mar-13	16:28	25-Mar-13	16:28
ICV	ICV	28-Mar-13	9:00	28-Mar-13	9:01
LCS-25468	LCS-25468	28-Mar-13	9:01	28-Mar-13	9:30
ICB	ICB	28-Mar-13	9:30	28-Mar-13	11:13
WSAM1615LA	K1303152-001A	28-Mar-13	11:13	28-Mar-13	11:30
WSAM1814LA	K1303176-004A	28-Mar-13	11:30	28-Mar-13	11:46
WSAM1918LA	K1303176-005A	28-Mar-13	11:46	28-Mar-13	12:02
031413LE	K1303176-006A	28-Mar-13	12:02	28-Mar-13	12:19
WSAM0909LA	K1303205-001A	28-Mar-13	12:19	28-Mar-13	12:35
WSAM1722LA	K1303205-002A	28-Mar-13	12:35	28-Mar-13	13:40
WSAM2124LA	K1303205-003A	28-Mar-13	13:40	28-Mar-13	14:45
CCV1	CCV1	28-Mar-13	14:45	28-Mar-13	15:02
CCB1	CCB1	28-Mar-13	15:02	28-Mar-13	17:56
LCSD-25468	LCSD-25468	28-Mar-13	17:56	28-Mar-13	18:12
CCV2	CCV2	28-Mar-13	18:12	28-Mar-13	18:29
CCB2	CCB2	28-Mar-13	18:29	28-Mar-13	18:30
MB-25468	MB-25468	28-Mar-13	18:30	28-Mar-13	18:30

Comments:

Life Science Laboratories, Inc.

5854 Butternut Drive
East Syracuse, NY 13057 **(315) 445-1900**

Tuesday, April 03, 2013

Niels van Hoesel
FPM Group
584 Phoenix Drive
Rome, NY 13441

TEL:

Project: GRIFFISS AFB – LF6-Performance
RE: Analytical Results
Order No.: K1303206, K1303232

Dear Niels van Hoesel:

Life Science Laboratories, Inc. received samples on 3/18/2013 through 3/20/2013 for the analyses presented in the following report. Sample results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Laboratory Report

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from FPM, for the Griffiss AFB-LF 6 Performance-Rome, NY project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage and custody inconsistencies. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

The discrepancies were noted on the Sample Receipt checklist upon receipt. The temperatures of the well-iced coolers were 1.0°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	SW8260B	1
Dissolved Gases	RSK175	1
Sulfate	SW9056	1
Dissolved Organic Carbon	SM5310B	2

1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996 (including the QC requirements specified in AFCEE 4.0 + variances).

2) Standard Methods for the Examination of Water and Wastewater, 18th, 19th, and 20th Editions.

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report.

RAW DATA

The raw data is not requested for this report. Life Science Laboratories, Inc. will keep the raw data on file.

Total # of pages in this report: _____

Client:	FPM
Project/Order:	Griffiss AFB – LF6-Performance
Work Order #:	K1303206 and K1303232
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 3/26/13

Supervisor/Reviewed by (Initials/Date): 3/26/13

QA/QC Review (Initials/Date): 4/2/13

File Name: U:\Narratives\MSVoa\K1303206msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments are equipped with a Restek Rtx-VMS, 60 m x 0.25 mm ID capillary column (MS01, MS04, MSK, and MSN), Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column (MS02), and a Restek Rtx-502.2, 60 m x 0.25 mm ID capillary column (MS03).

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

Laboratory Control Sample
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-25437	Hexachlorobutadiene	1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations verifications met method and/or project specific QC criteria.

The following continuing calibration compound(s) exceeded method percent drift and/or RRF criteria:

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25429	MSK	Acetone	22.2		2
		2-Butanone	28.6		2
		4-Methyl-2-pentanone	31.0		1
		1,2-Dibromo-2-chloropropane	24.1		1

Client: FPM
Project/Order: Griffiss AFB – LF6-Performance
Work Order #: K1303206 and K1303232
Methodology: 8260B

Calibration ID	Instrument	Compound	%D	RRF	Corrective Action
CCV-25429	MSK	Hexachlorobutadiene	25.2		1
CCV-25437	MSK	Chloromethane	26.3		1
		Vinyl chloride	24.8		1
		Hexachlorobutadiene	23.3		1

1 The recovery exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. This excursion is allowed by a project variance to the QAPP. No corrective action was taken.

2 Project variance allows +/- 30% difference (%D) for this compound.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

GC/MS Semi-volatile Organics Case Narrative

Client:	FPM
Project/Order:	Griffiss AFB – LF6-Performance
Work Order #:	K1303206 and K1303232
Methodology:	RSK-175

Analyzed/Reviewed by (Initials/Date): CS 4/2/13

Supervisor/Reviewed by (Initials/Date): CS 4/2/13

QA/QC Review (Initials/Date): SK 4/2/13

File Name: U:\Narratives\GCSemi\K1303206RSKnar.doc

Dissolved Gases by RSK-175

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Samples
The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	Corrective Action
LCS-16789	Ethene	1

1 The LCS recovery of 64% marginally exceeded the lower control limit. The recovery for the associated LCSD was within the control limits. Samples associated with LCS-16789 were appropriately qualified.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	FPM
Project/Order:	Griffiss AFB – LF6-Performance
Work Order #:	K1303206, K1303232
Methodology:	Sulfate - Ion Chromatography - SW9056 Dissolved Organic Carbon – SM 5310 B

Analyzed/Reviewed by (Date/Initials): 3-31-13 mg

Supervisor/Reviewed by (Date/Initials): 3-31-13 mg

QA/QC Review (Date/Initials): 4/1/13 SK

Wet Chemistry

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding times.

Laboratory Control Sample
All spike recoveries met method and/or project specified QC criteria.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Life Science Laboratories, Inc.

Date: *03-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - LF6-Performance
Lab Order: K1303206

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303206-001A	LF6M1645LA	LF6MW-16	3/15/2013	3/18/2013
K1303206-001B	LF6M1645LA	LF6MW-16	3/15/2013	3/18/2013
K1303206-001C	LF6M1645LA	LF6MW-16	3/15/2013	3/18/2013
K1303206-002A	LF6M1750LA	LF6MW-17	3/15/2013	3/18/2013
K1303206-002B	LF6M1750LA	LF6MW-17	3/15/2013	3/18/2013
K1303206-002C	LF6M1750LA	LF6MW-17	3/15/2013	3/18/2013
K1303206-003A	LF6M1750LC	LF6MW-17	3/15/2013	3/18/2013
K1303206-003B	LF6M1750LC	LF6MW-17	3/15/2013	3/18/2013
K1303206-003C	LF6M1750LC	LF6MW-17	3/15/2013	3/18/2013
K1303206-004A	LF6M2046LA	LF6MW-20	3/15/2013	3/18/2013
K1303206-004B	LF6M2046LA	LF6MW-20	3/15/2013	3/18/2013
K1303206-004C	LF6M2046LA	LF6MW-20	3/15/2013	3/18/2013
K1303206-005A	LF6VM2650LA	WL-LF6VMW-26	3/15/2013	3/18/2013
K1303206-005B	LF6VM2650LA	WL-LF6VMW-26	3/15/2013	3/18/2013
K1303206-005C	LF6VM2650LA	WL-LF6VMW-26	3/15/2013	3/18/2013
K1303206-006A	LF6M3145LA	LF6MW-31	3/15/2013	3/18/2013
K1303206-006B	LF6M3145LA	LF6MW-31	3/15/2013	3/18/2013
K1303206-006C	LF6M3145LA	LF6MW-31	3/15/2013	3/18/2013
K1303206-007A	031513LE	FIELDQC	3/15/2013	3/18/2013
K1303206-007B	031513LE	FIELDQC	3/15/2013	3/18/2013
K1303206-007C	031513LE	FIELDQC	3/15/2013	3/18/2013
K1303206-008A	031513LF	FIELDQC	3/15/2013	3/18/2013
K1303206-009A	031513LR	FIELDQC	3/15/2013	3/18/2013

Life Science Laboratories, Inc.

Date: *03-Apr-13*

CLIENT: FPM Group
Project: Griffiss AFB - LF6-Performance
Lab Order: K1303232

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
K1303232-001A	LF6VM13R31LA	LF6VMW-13R	3/18/2013	3/20/2013
K1303232-001B	LF6VM13R31LA	LF6VMW-13R	3/18/2013	3/20/2013
K1303232-001C	LF6VM13R31LA	LF6VMW-13R	3/18/2013	3/20/2013
K1303232-002A	LF6VM13RD35LA	LF6VMW-13RD	3/18/2013	3/20/2013
K1303232-002B	LF6VM13RD35LA	LF6VMW-13RD	3/18/2013	3/20/2013
K1303232-002C	LF6VM13RD35LA	LF6VMW-13RD	3/18/2013	3/20/2013
K1303232-003A	LF6T3306LA	WL-LF6TW-33	3/18/2013	3/20/2013
K1303232-003B	LF6T3306LA	WL-LF6TW-33	3/18/2013	3/20/2013
K1303232-003C	LF6T3306LA	WL-LF6TW-33	3/18/2013	3/20/2013
K1303232-004A	LF6T3406LA	WL-LF6TW-34	3/18/2013	3/20/2013
K1303232-004B	LF6T3406LA	WL-LF6TW-34	3/18/2013	3/20/2013
K1303232-004C	LF6T3406LA	WL-LF6TW-34	3/18/2013	3/20/2013
K1303232-005A	LF6T3506LA	WL-LF6TW-35	3/18/2013	3/20/2013
K1303232-005B	LF6T3506LA	WL-LF6TW-35	3/18/2013	3/20/2013
K1303232-005C	LF6T3506LA	WL-LF6TW-35	3/18/2013	3/20/2013
K1303232-006A	LF6T3606LA	WL-LF6TW-36	3/18/2013	3/20/2013
K1303232-006B	LF6T3606LA	WL-LF6TW-36	3/18/2013	3/20/2013
K1303232-006C	LF6T3606LA	WL-LF6TW-36	3/18/2013	3/20/2013
K1303232-007A	LF6T3807LA	WL-LF6TW-38	3/18/2013	3/20/2013
K1303232-007B	LF6T3807LA	WL-LF6TW-38	3/18/2013	3/20/2013
K1303232-007C	LF6T3807LA	WL-LF6TW-38	3/18/2013	3/20/2013
K1303232-008A	LF6M3920LA	LF6MW-39	3/18/2013	3/20/2013
K1303232-008B	LF6M3920LA	LF6MW-39	3/18/2013	3/20/2013
K1303232-008C	LF6M3920LA	LF6MW-39	3/18/2013	3/20/2013
K1303232-009A	LF6SW01PM01LA	LF6SW-1PM	3/18/2013	3/20/2013
K1303232-009B	LF6SW01PM01LA	LF6SW-1PM	3/18/2013	3/20/2013
K1303232-009C	LF6SW01PM01LA	LF6SW-1PM	3/18/2013	3/20/2013
K1303232-010A	031813LE	FIELDQC	3/18/2013	3/20/2013
K1303232-010B	031813LE	FIELDQC	3/18/2013	3/20/2013
K1303232-010C	031813LE	FIELDQC	3/18/2013	3/20/2013
K1303232-011A	031813LF	FIELDQC	3/18/2013	3/20/2013
K1303232-012A	031813LR	FIELDQC	3/18/2013	3/20/2013

Life Science Laboratories, Inc.

Lab Order: K1303206
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303206-001A	LF6M1645LA	3/15/2013 11:10:00 AM	Groundwater	Inorganic anions by IC			3/28/2013
K1303206-001B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-001C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-002A	LF6M1750LA	3/15/2013 11:44:00 AM		Inorganic anions by IC			3/28/2013
K1303206-002B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-002C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-003A	LF6M1750LC			Inorganic anions by IC			3/28/2013
K1303206-003B				Dissolved Gases by GC/FID		3/26/2013	3/26/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-003C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-004A	LF6M2046LA	3/15/2013 10:36:00 AM		Inorganic anions by IC			3/28/2013
K1303206-004B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-004C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-005A	LF6VM2650LA	3/15/2013 3:34:00 PM		Inorganic anions by IC			3/28/2013
K1303206-005B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-005C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-006A	LF6M3145LA	3/15/2013 2:22:00 PM		Inorganic anions by IC			3/28/2013
K1303206-006B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-006C				Dissolved organic carbon (DOC)			3/28/2013
K1303206-007A	031513LE	3/15/2013 4:30:00 PM	Water Q	Inorganic anions by IC			3/28/2013
K1303206-007B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-007C				Dissolved organic carbon (DOC)			3/28/2013

Lab Order: K1303206
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303206-008A	031513LF	3/15/2013 2:40:00 PM	Water Q	Volatile Organic Compounds by GC/MS			3/19/2013
K1303206-009A	031513LR	3/15/2013 9:20:00 AM		Volatile Organic Compounds by GC/MS			3/19/2013

Lab Order: K1303232
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303232-001A	LF6VM13R31LA	3/18/2013 11:24:00 AM	Groundwater	Inorganic anions by IC			3/29/2013
K1303232-001B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-001C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-002A	LF6VM13RD35LA	3/18/2013 10:56:00 AM		Inorganic anions by IC			3/29/2013
K1303232-002B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-002C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-003A	LF6T3306LA	3/18/2013 11:17:00 AM		Inorganic anions by IC			3/29/2013
K1303232-003B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-003C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-004A	LF6T3406LA	3/18/2013 11:51:00 AM		Inorganic anions by IC			3/29/2013
K1303232-004B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-004C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-005A	LF6T3506LA	3/18/2013 1:39:00 PM		Inorganic anions by IC			3/29/2013
K1303232-005B				Dissolved Gases by GC/FID		3/25/2013	3/25/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-005C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-006A	LF6T3606LA	3/18/2013 2:30:00 PM		Inorganic anions by IC			3/29/2013
K1303232-006B				Dissolved Gases by GC/FID		3/26/2013	3/26/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-006C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-007A	LF6T3807LA	3/18/2013 2:55:00 PM		Inorganic anions by IC			3/29/2013
K1303232-007B				Dissolved Gases by GC/FID		3/26/2013	3/26/2013
				Volatile Organic Compounds by GC/MS			3/22/2013

Lab Order: K1303232
Client: FPM Group
Project: Griffiss AFB - LF6-Performance

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
K1303232-007C	LF6T3807LA	3/18/2013 2:55:00 PM	Groundwater	Dissolved organic carbon (DOC)			3/28/2013
K1303232-008A	LF6M3920LA	3/18/2013 1:58:00 PM		Inorganic anions by IC			3/29/2013
K1303232-008B				Dissolved Gases by GC/FID		3/26/2013	3/26/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-008C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-009A	LF6SW01PM01LA	3/18/2013 10:20:00 AM	Surface Water	Inorganic anions by IC			3/29/2013
K1303232-009B				Dissolved Gases by GC/FID		3/26/2013	3/26/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-009C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-010A	031813LE	3/18/2013 3:48:00 PM	Water Q	Inorganic anions by IC			3/29/2013
K1303232-010B				Dissolved Gases by GC/FID		3/26/2013	3/26/2013
				Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-010C				Dissolved organic carbon (DOC)			3/28/2013
K1303232-011A	031813LF	3/18/2013 2:40:00 PM		Volatile Organic Compounds by GC/MS			3/22/2013
K1303232-012A	031813LR	3/18/2013 9:20:00 AM		Volatile Organic Compounds by GC/MS			3/22/2013

External Chain of Custody

K1303206

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288/9_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Josh Wenzel Niels van Hoesel for	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441 Phone: (315) 336-7721 Ext. 205
Carrier: LSL courier.	Sampler Signature:	

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6M1645LA	LF6MW-16	3/15	1110	WG	BP	N	0/0	7	3	1	1	2	
002	LF6M1750LA	LF6MW-17	3/15	1144	WG	BP	N	0/0	7	3	1	1	2	
003	LF6M1750LC	LF6MW-17	3/15	1144	WG	BP	FD	0/0	7	3	1	1	2	
004	LF6M2046LA	LF6MW-20	3/15	1036	WG	BP	N	0/0	7	3	1	1	2	
005	LF6VM2650LA	WL-LF6VMW-26	3/15	1534	WG	BP	N	0/0	7	3	1	1	2	
006	LF6M3145LA	LF6MW-31	3/15	1422	WG	BP	N	0/0	7	3	1	1	2	
007	031513LE	FIELDQC	3/15	1630	WQ	BP	EB	0/0	7	3	1	1	2	
008	031513LF	FIELDQC	3/15	1440	WQ	NA	AB	0/0	3	3	-	-	-	
009	031513LR	FIELDQC	3/15	0920	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory: Cooler temperature: 1.0 °C on Tc

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters)

Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters.

Note 2: Anions: (Sulfate): method SW9056.

Note 3: DOC: method SM5310B.

Note 4: Methane/Ethane/Ethene: method RSK-175.

K 1303206

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date 3/18/13	#3 Released by: (Sig) Bill Donalson	Date: 3-18-13
Company Name:	Time:	Company Name: FPM	Time: 10:42	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donalson	Date: 3-18-13	#3 Received by: (Sig)	Date: 3-18-13
Company Name: FPM remediations	Time: 3/15/2013	Company Name: Life Science Labs	Time: 10:45	Company Name: LSL	Time: 15:30

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM** Date and Time Received: **3/18/2013 3:30:00 PM**

Work Order Number: **K1303206** Received by: gis

Checklist completed by: 6S (Initials) 3-18-13 (Date) Reviewed by: AC (Initials) 3-19-13 (Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

K1303232

AFCEE
CHAIN OF CUSTODY RECORD

COC#: _A_ SDG#: _288/9_ Cooler ID#: _A_

Ship to: Anthony Crescenzi Life Science Laboratories, Inc. 5854 Butternut Drive East Syracuse, NY 13057 Tel: 315-445-1105 ext.274	Project Name: Griffiss AFB Landfill 6 Performance Sampler Name: Josh Wenzel	Send Results to: Niels van Hoesel FPM Group Ltd. 584 Phoenix Dr. Rome, NY 13441
Carrier: LSL courier.	Sampler Signature: Kathrine Mattice	Phone: (315) 336-7721 Ext. 205

Analyses requested

	Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs note 1 40mL vials (HCl)	Anions note 2 250 mL poly	DOC note 3 40 mL vial	Methane/Ethane/Ethene note 4 40mL vial (HCL)	Comments
001	LF6VM13R31LA	LF6VMW-13R	3/18	1124	WG	BP	N	0/0	7	3	1	1	2	
002	LF6VM13RD35LA	LF6VMW-13RD	3/18	1056	WG	BP	N	0/0	7	3	1	1	2	
003	LF6T3306LA	LF6TW-33	3/18	1117	WG	B	N	0/0	7	3	1	1	2	
004	LF6T3406LA	LF6TW-34	3/18	1151	WG	B	N	0/0	7	3	1	1	2	
005	LF6T3506LA	LF6TW-35	3/18	1339	WG	B	N	0/0	7	3	1	1	2	
006	LF6T3606LA	LF6TW-36	3/18	1430	WG	B	N	0/0	7	3	1	1	2	
007	LF6T3807LA	LF6TW-38	3/18	1455	WG	B	N	0/0	7	3	1	1	2	
008	LF6M3920LA	LF6MW-39	3/18	1358	WG	BP	N	0/0	7	3	1	1	2	
009	LF6SW01PM01LA	LF6SW-1PM	3/18	1020	WG	G	N	0/0	7	3	1	1	2	
010	031813LE	FIELDQC	3/18	1548	WQ	BP	EB	0/0	7	3	1	1	2	
011	031813LF	FIELDQC	3/18	1440	WQ	NA	AB	0/0	3	3	-	-	-	
012	031813LR	FIELDQC	3/18	0920	WQ	NA	TB	0/0	2	2	-	-	-	

Sample Condition Upon Receipt at Laboratory:	Cooler temperature:
Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0 and NYSDEC Landfill Part 360 Baseline Parameters) Note 1: VOCs: SW8260 AFCEE QAPP 4.0 + NYS Part 360 Baseline Parameters. Note 2: Anions: (Sulfate): method SW9056. Note 3: DOC: method SM5310B. Note 4: Methane/Ethane/Ethene: method RSK-175.	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig) G Matthie	Date 3/20/13	#3 Released by: (Sig) Bill Donaldson	Date: 3-20-13
Company Name:	Time:	Company Name: FPM	Time: 1030	Company Name: Life Science Labs	Time:
#1 Received by: (Sig) Niels van Hoesel	Date: : 3/5/2013	#2 Received by: (Sig) Bill Donaldson	Date: 3-20-13	#3 Received by: (Sig)	Date: 3-20-13
Company Name: FPM remediations	Time: 1000	Company Name: Life Science Labs	Time: 10:30	Company Name: ESL	Time: 16:05

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab (only for EB).
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **FPM**

Date and Time Received: **3/20/2013 4:05:00 PM**

Work Order Number: **K1303232**

Received by: gis

Checklist completed by: GS (Initials) 3-20-13 (Date)

Reviewed by: AC (Initials) 3-21-13 (Date)

Delivery Method: Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Comments:

Corrective Action:

Client/Project FPM / K1303206 Rec'd 3-18-13

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
				Stored in fridge B	8260	3/18/13 1700
001 →			MW	3/19/13 0600	8260	NR
001 → 7	B		CAT	3/28/13 0745	PAH/LL	NR
001 → 7	C		MT	3/28/13 0800	5310B	3/28/13 1600
001 → 7	A		MT	3/28/13 0800	9056	3/28/13 1600

Client/Project EPM / K1303232 Rec'd 3-20-13

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
001 → 12	A/B			Stored in fridge 1B	8260	3/20/13 1730
001 → 12	A/B		MW	3/22/13 0712	8260	NR
001 → 6	B		CH	3/25/13 0745	RSK175	NR
-007-10	B		CH	3/26/13 0745	RSK175	NR
001 → 10	C		MT	3/28/13 0900	5310B	3/28/13 1600
001 → 10	A		MT	3/29/13 0930	9056	3/29/13 1630

Analytical Results

GC/MS Volatile Organics Data

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645LA	K1303206-001B
LF6M1750LA	K1303206-002B
LF6M1750LC	K1303206-003B
LF6M2046LA	K1303206-004B
LF6VM2650LA	K1303206-005B
LF6M3145LA	K1303206-006B
031513LE	K1303206-007B
031513LF	K1303206-008A
031513LR	K1303206-009A

Comments:

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

Signature: Anthy C Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31LA	K1303232-001B
LF6VM13RD35LA	K1303232-002B
LF6T3306LA	K1303232-003B
LF6T3406LA	K1303232-004B
LF6T3506LA	K1303232-005B
LF6T3606LA	K1303232-006B
LF6T3807LA	K1303232-007B
LF6M3920LA	K1303232-008B
LF6SW01PM01LA	K1303232-009B
031813LE	K1303232-010B
031813LF	K1303232-011A
031813LR	K1303232-012A

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2082.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	5.00	50.0	5.00	25		U
1,1,1,2-Tetrachloroethane	4.00	12.5	4.00	25		U
1,1,1-Trichloroethane	2.50	25.0	2.50	25		U
1,1,2,2-Tetrachloroethane	2.50	12.5	2.50	25		U
1,1,2-Trichloroethane	4.00	25.0	4.00	25		U
1,1-Dichloroethane	2.50	25.0	2.50	25		U
1,1-Dichloroethene	4.00	25.0	4.00	25		U
1,1-Dichloropropene	2.50	25.0	2.50	25		U
1,2,3-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,3-Trichloropropane	8.25	50.0	8.25	25		U
1,2,4-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,4-Trimethylbenzene	2.50	25.0	2.50	25		U
1,2-Dibromo-3-chloropropane	25.0	125	25.0	25		U
1,2-Dibromoethane	4.00	25.0	4.00	25		U
1,2-Dichlorobenzene	2.50	25.0	2.50	25		U
1,2-Dichloroethane	4.00	12.5	4.00	25		U
1,2-Dichloropropane	4.00	25.0	4.00	25		U
1,3,5-Trimethylbenzene	2.50	25.0	2.50	25		U
1,3-Dichlorobenzene	2.50	25.0	2.50	25		U
1,3-Dichloropropane	2.50	12.5	2.50	25		U
1,4-Dichlorobenzene	4.00	12.5	4.00	25		U
1-Chlorohexane	4.00	25.0	4.00	25		U
2,2-Dichloropropane	8.25	25.0	8.25	25		U
2-Butanone	25.0	250	25.0	25		U
2-Chlorotoluene	2.50	25.0	2.50	25		U
4-Chlorotoluene	2.50	25.0	2.50	25		U
4-Methyl-2-pentanone	25.0	250	25.0	25		U
Acetone	25.0	250	25.0	25		U
Benzene	2.50	12.5	2.50	25		U
Bromobenzene	2.50	25.0	2.50	25		U
Bromochloromethane	2.50	25.0	2.50	25		U
Bromodichloromethane	2.50	12.5	2.50	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2082.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	8.25	25.0	8.25	25		U
Bromomethane	8.25	75.0	8.25	25		U
Carbon tetrachloride	2.50	25.0	2.50	25		U
Chlorobenzene	2.50	12.5	2.50	25		U
Chloroethane	8.25	25.0	8.25	25		U
Chloroform	2.50	12.5	2.50	25		U
Chloromethane	8.25	25.0	8.25	25		U
cis-1,2-Dichloroethene	2.50	25.0	116	25		
cis-1,3-Dichloropropene	4.00	12.5	4.00	25		U
Dibromochloromethane	2.50	12.5	2.50	25		U
Dibromomethane	4.00	25.0	4.00	25		U
Dichlorodifluoromethane	2.50	25.0	2.50	25		U
Ethylbenzene	2.50	25.0	2.50	25		U
Hexachlorobutadiene	2.50	25.0	2.50	25		U
Isopropylbenzene	2.50	25.0	2.50	25		U
Methyl tert-butyl ether	4.00	125	4.00	25		U
Methylene chloride	4.00	25.0	4.00	25		U
n-Butylbenzene	2.50	25.0	2.50	25		U
n-Propylbenzene	2.50	25.0	2.50	25		U
Naphthalene	2.50	25.0	2.50	25		U
o-Xylene	2.50	25.0	2.50	25		U
p-Isopropyltoluene	4.00	25.0	4.00	25		U
sec-Butylbenzene	4.00	25.0	4.00	25		U
Styrene	2.50	25.0	2.50	25		U
tert-Butylbenzene	2.50	25.0	2.50	25		U
Tetrachloroethene	2.50	25.0	2.50	25		U
Toluene	2.50	25.0	2.50	25		U
trans-1,2-Dichloroethene	2.50	25.0	9.25	25		F
trans-1,3-Dichloropropene	4.00	25.0	4.00	25		U
Trichloroethene	2.50	25.0	575	25		
Trichlorofluoromethane	2.50	25.0	2.50	25		U
Vinyl chloride	8.25	25.0	8.25	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2082.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	7.50	50.0	7.50	25		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	103	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	310276	141409 - 565636	
Chlorobenzene-d5	727670	272627 - 1090508	
Fluorobenzene	1757729	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2083.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	10.0	10		U
Benzene	1.00	5.00	1.60	10		F
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2083.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	206	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	1.60	10		U
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	95.5	10		
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	204	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2083.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	294832	141409 - 565636	
Chlorobenzene-d5	678778	272627 - 1090508	
Fluorobenzene	1630025	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2084.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	11.0	10		F
Benzene	1.00	5.00	1.60	10		F
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2084.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	224	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	1.70	10		F
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	104	10		
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	202	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2084.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	287007	141409 - 565636	
Chlorobenzene-d5	671060	272627 - 1090508	
Fluorobenzene	1610721	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2085.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	5.00	50.0	5.00	25		U
1,1,1,2-Tetrachloroethane	4.00	12.5	4.00	25		U
1,1,1-Trichloroethane	2.50	25.0	2.50	25		U
1,1,2,2-Tetrachloroethane	2.50	12.5	2.50	25		U
1,1,2-Trichloroethane	4.00	25.0	4.00	25		U
1,1-Dichloroethane	2.50	25.0	2.50	25		U
1,1-Dichloroethene	4.00	25.0	4.00	25		U
1,1-Dichloropropene	2.50	25.0	2.50	25		U
1,2,3-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,3-Trichloropropane	8.25	50.0	8.25	25		U
1,2,4-Trichlorobenzene	2.50	25.0	2.50	25		U
1,2,4-Trimethylbenzene	2.50	25.0	2.50	25		U
1,2-Dibromo-3-chloropropane	25.0	125	25.0	25		U
1,2-Dibromoethane	4.00	25.0	4.00	25		U
1,2-Dichlorobenzene	2.50	25.0	2.50	25		U
1,2-Dichloroethane	4.00	12.5	4.00	25		U
1,2-Dichloropropane	4.00	25.0	4.00	25		U
1,3,5-Trimethylbenzene	2.50	25.0	2.50	25		U
1,3-Dichlorobenzene	2.50	25.0	2.50	25		U
1,3-Dichloropropane	2.50	12.5	2.50	25		U
1,4-Dichlorobenzene	4.00	12.5	4.00	25		U
1-Chlorohexane	4.00	25.0	4.00	25		U
2,2-Dichloropropane	8.25	25.0	8.25	25		U
2-Butanone	25.0	250	25.0	25		U
2-Chlorotoluene	2.50	25.0	2.50	25		U
4-Chlorotoluene	2.50	25.0	2.50	25		U
4-Methyl-2-pentanone	25.0	250	25.0	25		U
Acetone	25.0	250	25.0	25		U
Benzene	2.50	12.5	2.50	25		U
Bromobenzene	2.50	25.0	2.50	25		U
Bromochloromethane	2.50	25.0	2.50	25		U
Bromodichloromethane	2.50	12.5	2.50	25		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2085.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	8.25	25.0	8.25	25		U
Bromomethane	8.25	75.0	8.25	25		U
Carbon tetrachloride	2.50	25.0	2.50	25		U
Chlorobenzene	2.50	12.5	2.50	25		U
Chloroethane	8.25	25.0	8.25	25		U
Chloroform	2.50	12.5	2.50	25		U
Chloromethane	8.25	25.0	8.25	25		U
cis-1,2-Dichloroethene	2.50	25.0	420	25		
cis-1,3-Dichloropropene	4.00	12.5	4.00	25		U
Dibromochloromethane	2.50	12.5	2.50	25		U
Dibromomethane	4.00	25.0	4.00	25		U
Dichlorodifluoromethane	2.50	25.0	2.50	25		U
Ethylbenzene	2.50	25.0	2.50	25		U
Hexachlorobutadiene	2.50	25.0	2.50	25		U
Isopropylbenzene	2.50	25.0	2.50	25		U
Methyl tert-butyl ether	4.00	125	4.00	25		U
Methylene chloride	4.00	25.0	4.50	25		F
n-Butylbenzene	2.50	25.0	2.50	25		U
n-Propylbenzene	2.50	25.0	2.50	25		U
Naphthalene	2.50	25.0	2.50	25		U
o-Xylene	2.50	25.0	2.50	25		U
p-Isopropyltoluene	4.00	25.0	4.00	25		U
sec-Butylbenzene	4.00	25.0	4.00	25		U
Styrene	2.50	25.0	2.50	25		U
tert-Butylbenzene	2.50	25.0	2.50	25		U
Tetrachloroethene	2.50	25.0	2.50	25		U
Toluene	2.50	25.0	2.50	25		U
trans-1,2-Dichloroethene	2.50	25.0	18.2	25		F
trans-1,3-Dichloropropene	4.00	25.0	4.00	25		U
Trichloroethene	2.50	25.0	284	25		
Trichlorofluoromethane	2.50	25.0	2.50	25		U
Vinyl chloride	8.25	25.0	8.25	25		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2085.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	7.50	50.0	7.50	25		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	115	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	92	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	276890	141409 - 565636	
Chlorobenzene-d5	658127	272627 - 1090508	
Fluorobenzene	1552031	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2086.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.600	6.00	0.600	3		U
1,1,1,2-Tetrachloroethane	0.480	1.50	0.480	3		U
1,1,1-Trichloroethane	0.300	3.00	0.300	3		U
1,1,2,2-Tetrachloroethane	0.300	1.50	0.300	3		U
1,1,2-Trichloroethane	0.480	3.00	0.480	3		U
1,1-Dichloroethane	0.300	3.00	0.300	3		U
1,1-Dichloroethene	0.480	3.00	0.480	3		U
1,1-Dichloropropene	0.300	3.00	0.300	3		U
1,2,3-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,3-Trichloropropane	0.990	6.00	0.990	3		U
1,2,4-Trichlorobenzene	0.300	3.00	0.300	3		U
1,2,4-Trimethylbenzene	0.300	3.00	0.300	3		U
1,2-Dibromo-3-chloropropane	3.00	15.0	3.00	3		U
1,2-Dibromoethane	0.480	3.00	0.480	3		U
1,2-Dichlorobenzene	0.300	3.00	0.300	3		U
1,2-Dichloroethane	0.480	1.50	0.480	3		U
1,2-Dichloropropane	0.480	3.00	0.480	3		U
1,3,5-Trimethylbenzene	0.300	3.00	0.300	3		U
1,3-Dichlorobenzene	0.300	3.00	0.300	3		U
1,3-Dichloropropane	0.300	1.50	0.300	3		U
1,4-Dichlorobenzene	0.480	1.50	0.480	3		U
1-Chlorohexane	0.480	3.00	0.480	3		U
2,2-Dichloropropane	0.990	3.00	0.990	3		U
2-Butanone	3.00	30.0	3.00	3		U
2-Chlorotoluene	0.300	3.00	0.300	3		U
4-Chlorotoluene	0.300	3.00	0.300	3		U
4-Methyl-2-pentanone	3.00	30.0	3.00	3		U
Acetone	3.00	30.0	7.02	3		F
Benzene	0.300	1.50	0.300	3		U
Bromobenzene	0.300	3.00	0.300	3		U
Bromochloromethane	0.300	3.00	0.300	3		U
Bromodichloromethane	0.300	1.50	0.300	3		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2086.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.990	3.00	0.990	3		U
Bromomethane	0.990	9.00	0.990	3		U
Carbon tetrachloride	0.300	3.00	0.300	3		U
Chlorobenzene	0.300	1.50	0.300	3		U
Chloroethane	0.990	3.00	0.990	3		U
Chloroform	0.300	1.50	0.300	3		U
Chloromethane	0.990	3.00	0.990	3		U
cis-1,2-Dichloroethene	0.300	3.00	68.8	3		
cis-1,3-Dichloropropene	0.480	1.50	0.480	3		U
Dibromochloromethane	0.300	1.50	0.300	3		U
Dibromomethane	0.480	3.00	0.480	3		U
Dichlorodifluoromethane	0.300	3.00	0.300	3		U
Ethylbenzene	0.300	3.00	0.300	3		U
Hexachlorobutadiene	0.300	3.00	0.300	3		U
Isopropylbenzene	0.300	3.00	0.300	3		U
Methyl tert-butyl ether	0.480	15.0	0.480	3		U
Methylene chloride	0.480	3.00	0.480	3		U
n-Butylbenzene	0.300	3.00	0.300	3		U
n-Propylbenzene	0.300	3.00	0.300	3		U
Naphthalene	0.300	3.00	0.300	3		U
o-Xylene	0.300	3.00	0.300	3		U
p-Isopropyltoluene	0.480	3.00	0.480	3		U
sec-Butylbenzene	0.480	3.00	0.480	3		U
Styrene	0.300	3.00	0.300	3		U
tert-Butylbenzene	0.300	3.00	0.300	3		U
Tetrachloroethene	0.300	3.00	0.300	3		U
Toluene	0.300	3.00	0.300	3		U
trans-1,2-Dichloroethene	0.300	3.00	0.300	3		U
trans-1,3-Dichloropropene	0.480	3.00	0.480	3		U
Trichloroethene	0.300	3.00	0.300	3		U
Trichlorofluoromethane	0.300	3.00	0.300	3		U
Vinyl chloride	0.990	3.00	0.990	3		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2086.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.900	6.00	0.900	3		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	112	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	282676	141409 - 565636	
Chlorobenzene-d5	677290	272627 - 1090508	
Fluorobenzene	1595565	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2081.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	5.66	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2081.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.140	1		F
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.510	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2081.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	94	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	314067	141409 - 565636	
Chlorobenzene-d5	739161	272627 - 1090508	
Fluorobenzene	1798425	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2087.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	6.35	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2087.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.710	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2087.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	114	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	289017	141409 - 565636	
Chlorobenzene-d5	697860	272627 - 1090508	
Fluorobenzene	1660613	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LF	**Lab Sample ID:**	K1303206-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2088.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	2.31	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LF	**Lab Sample ID:**	K1303206-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2088.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.690	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LF	**Lab Sample ID:**	K1303206-008A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2088.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	112	72 - 119	
4-Bromofluorobenzene	111	76 - 119	
Toluene-d8	92	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	272408	141409 - 565636	
Chlorobenzene-d5	645960	272627 - 1090508	
Fluorobenzene	1520044	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LR	**Lab Sample ID:**	K1303206-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2089.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	10.3	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
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RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LR	**Lab Sample ID:**	K1303206-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2089.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.230	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LR	**Lab Sample ID:**	K1303206-009A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2089.D
Date Received:	18-Mar-13	**Date Extracted:**		**Date Analyzed:**	19-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	110	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	277061	141409 - 565636	
Chlorobenzene-d5	661603	272627 - 1090508	
Fluorobenzene	1555615	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2121.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	1.58	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2121.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2121.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	272344	141409 - 565636	
Chlorobenzene-d5	570981	272627 - 1090508	
Fluorobenzene	1413042	676354 - 2705416	

Comments:

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RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2122.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.01	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2122.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2122.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):		ug/L		**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	105	72 - 119	
4-Bromofluorobenzene	116	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	271161	141409 - 565636	
Chlorobenzene-d5	595597	272627 - 1090508	
Fluorobenzene	1469095	676354 - 2705416	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2118.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	11.5	10		F
Benzene	1.00	5.00	1.00	10		U
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2118.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	52.6	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	2.40	10		F
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	1.00	10		U
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	216	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2118.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	285882	141409 - 565636	
Chlorobenzene-d5	576423	272627 - 1090508	
Fluorobenzene	1434206	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2119.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	9.15	5		F
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2119.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	42.0	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	0.950	5		F
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	21.6	5		
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	200	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2119.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	98	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	281789	141409 - 565636	
Chlorobenzene-d5	582231	272627 - 1090508	
Fluorobenzene	1455029	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2123.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.05	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2123.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	9.14	1		
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	28.9	1		
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2123.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	266884	141409 - 565636	
Chlorobenzene-d5	583792	272627 - 1090508	
Fluorobenzene	1432409	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2120.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	2.00	20.0	2.00	10		U
1,1,1,2-Tetrachloroethane	1.60	5.00	1.60	10		U
1,1,1-Trichloroethane	1.00	10.0	1.00	10		U
1,1,2,2-Tetrachloroethane	1.00	5.00	1.00	10		U
1,1,2-Trichloroethane	1.60	10.0	1.60	10		U
1,1-Dichloroethane	1.00	10.0	1.00	10		U
1,1-Dichloroethene	1.60	10.0	1.60	10		U
1,1-Dichloropropene	1.00	10.0	1.00	10		U
1,2,3-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,3-Trichloropropane	3.30	20.0	3.30	10		U
1,2,4-Trichlorobenzene	1.00	10.0	1.00	10		U
1,2,4-Trimethylbenzene	1.00	10.0	1.00	10		U
1,2-Dibromo-3-chloropropane	10.0	50.0	10.0	10		U
1,2-Dibromoethane	1.60	10.0	1.60	10		U
1,2-Dichlorobenzene	1.00	10.0	1.00	10		U
1,2-Dichloroethane	1.60	5.00	1.60	10		U
1,2-Dichloropropane	1.60	10.0	1.60	10		U
1,3,5-Trimethylbenzene	1.00	10.0	1.00	10		U
1,3-Dichlorobenzene	1.00	10.0	1.00	10		U
1,3-Dichloropropane	1.00	5.00	1.00	10		U
1,4-Dichlorobenzene	1.60	5.00	1.60	10		U
1-Chlorohexane	1.60	10.0	1.60	10		U
2,2-Dichloropropane	3.30	10.0	3.30	10		U
2-Butanone	10.0	100	10.0	10		U
2-Chlorotoluene	1.00	10.0	1.00	10		U
4-Chlorotoluene	1.00	10.0	1.00	10		U
4-Methyl-2-pentanone	10.0	100	10.0	10		U
Acetone	10.0	100	10.0	10		U
Benzene	1.00	5.00	1.00	10		U
Bromobenzene	1.00	10.0	1.00	10		U
Bromochloromethane	1.00	10.0	1.00	10		U
Bromodichloromethane	1.00	5.00	1.00	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2120.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	3.30	10.0	3.30	10		U
Bromomethane	3.30	30.0	3.30	10		U
Carbon tetrachloride	1.00	10.0	1.00	10		U
Chlorobenzene	1.00	5.00	1.00	10		U
Chloroethane	3.30	10.0	3.30	10		U
Chloroform	1.00	5.00	1.00	10		U
Chloromethane	3.30	10.0	3.30	10		U
cis-1,2-Dichloroethene	1.00	10.0	47.9	10		
cis-1,3-Dichloropropene	1.60	5.00	1.60	10		U
Dibromochloromethane	1.00	5.00	1.00	10		U
Dibromomethane	1.60	10.0	1.60	10		U
Dichlorodifluoromethane	1.00	10.0	1.00	10		U
Ethylbenzene	1.00	10.0	1.00	10		U
Hexachlorobutadiene	1.00	10.0	1.00	10		U
Isopropylbenzene	1.00	10.0	1.00	10		U
Methyl tert-butyl ether	1.60	50.0	1.60	10		U
Methylene chloride	1.60	10.0	2.90	10		F
n-Butylbenzene	1.00	10.0	1.00	10		U
n-Propylbenzene	1.00	10.0	1.00	10		U
Naphthalene	1.00	10.0	1.00	10		U
o-Xylene	1.00	10.0	1.00	10		U
p-Isopropyltoluene	1.60	10.0	1.60	10		U
sec-Butylbenzene	1.60	10.0	1.60	10		U
Styrene	1.00	10.0	1.00	10		U
tert-Butylbenzene	1.00	10.0	1.00	10		U
Tetrachloroethene	1.00	10.0	1.00	10		U
Toluene	1.00	10.0	1.00	10		U
trans-1,2-Dichloroethene	1.00	10.0	1.60	10		F
trans-1,3-Dichloropropene	1.60	10.0	1.60	10		U
Trichloroethene	1.00	10.0	224	10		
Trichlorofluoromethane	1.00	10.0	1.00	10		U
Vinyl chloride	3.30	10.0	3.30	10		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2120.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	3.00	20.0	3.00	10		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	279826	141409 - 565636	
Chlorobenzene-d5	593782	272627 - 1090508	
Fluorobenzene	1462203	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2117.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	1.00	10.0	1.00	5		U
1,1,1,2-Tetrachloroethane	0.800	2.50	0.800	5		U
1,1,1-Trichloroethane	0.500	5.00	0.500	5		U
1,1,2,2-Tetrachloroethane	0.500	2.50	0.500	5		U
1,1,2-Trichloroethane	0.800	5.00	0.800	5		U
1,1-Dichloroethane	0.500	5.00	0.500	5		U
1,1-Dichloroethene	0.800	5.00	0.800	5		U
1,1-Dichloropropene	0.500	5.00	0.500	5		U
1,2,3-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,3-Trichloropropane	1.65	10.0	1.65	5		U
1,2,4-Trichlorobenzene	0.500	5.00	0.500	5		U
1,2,4-Trimethylbenzene	0.500	5.00	0.500	5		U
1,2-Dibromo-3-chloropropane	5.00	25.0	5.00	5		U
1,2-Dibromoethane	0.800	5.00	0.800	5		U
1,2-Dichlorobenzene	0.500	5.00	0.500	5		U
1,2-Dichloroethane	0.800	2.50	0.800	5		U
1,2-Dichloropropane	0.800	5.00	0.800	5		U
1,3,5-Trimethylbenzene	0.500	5.00	0.500	5		U
1,3-Dichlorobenzene	0.500	5.00	0.500	5		U
1,3-Dichloropropane	0.500	2.50	0.500	5		U
1,4-Dichlorobenzene	0.800	2.50	0.800	5		U
1-Chlorohexane	0.800	5.00	0.800	5		U
2,2-Dichloropropane	1.65	5.00	1.65	5		U
2-Butanone	5.00	50.0	5.00	5		U
2-Chlorotoluene	0.500	5.00	0.500	5		U
4-Chlorotoluene	0.500	5.00	0.500	5		U
4-Methyl-2-pentanone	5.00	50.0	5.00	5		U
Acetone	5.00	50.0	7.90	5		F
Benzene	0.500	2.50	0.500	5		U
Bromobenzene	0.500	5.00	0.500	5		U
Bromochloromethane	0.500	5.00	0.500	5		U
Bromodichloromethane	0.500	2.50	0.500	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2117.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	1.65	5.00	1.65	5		U
Bromomethane	1.65	15.0	1.65	5		U
Carbon tetrachloride	0.500	5.00	0.500	5		U
Chlorobenzene	0.500	2.50	0.500	5		U
Chloroethane	1.65	5.00	1.65	5		U
Chloroform	0.500	2.50	0.500	5		U
Chloromethane	1.65	5.00	1.65	5		U
cis-1,2-Dichloroethene	0.500	5.00	36.0	5		
cis-1,3-Dichloropropene	0.800	2.50	0.800	5		U
Dibromochloromethane	0.500	2.50	0.500	5		U
Dibromomethane	0.800	5.00	0.800	5		U
Dichlorodifluoromethane	0.500	5.00	0.500	5		U
Ethylbenzene	0.500	5.00	0.500	5		U
Hexachlorobutadiene	0.500	5.00	0.500	5		U
Isopropylbenzene	0.500	5.00	0.500	5		U
Methyl tert-butyl ether	0.800	25.0	0.800	5		U
Methylene chloride	0.800	5.00	1.35	5		F
n-Butylbenzene	0.500	5.00	0.500	5		U
n-Propylbenzene	0.500	5.00	0.500	5		U
Naphthalene	0.500	5.00	0.500	5		U
o-Xylene	0.500	5.00	0.500	5		U
p-Isopropyltoluene	0.800	5.00	0.800	5		U
sec-Butylbenzene	0.800	5.00	0.800	5		U
Styrene	0.500	5.00	0.500	5		U
tert-Butylbenzene	0.500	5.00	0.500	5		U
Tetrachloroethene	0.500	5.00	0.500	5		U
Toluene	0.500	5.00	0.500	5		U
trans-1,2-Dichloroethene	0.500	5.00	0.500	5		U
trans-1,3-Dichloropropene	0.800	5.00	0.800	5		U
Trichloroethene	0.500	5.00	92.8	5		
Trichlorofluoromethane	0.500	5.00	0.500	5		U
Vinyl chloride	1.65	5.00	1.65	5		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2117.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	1.50	10.0	1.50	5		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	94	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	301584	141409 - 565636	
Chlorobenzene-d5	612869	272627 - 1090508	
Fluorobenzene	1522778	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2124.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	6.16	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2124.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2124.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	113	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	269404	141409 - 565636	
Chlorobenzene-d5	577678	272627 - 1090508	
Fluorobenzene	1414920	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2125.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	12.2	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2125.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.280	1		F
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.160	1		U
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2125.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	106	72 - 119	
4-Bromofluorobenzene	116	76 - 119	
Toluene-d8	96	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	262587	141409 - 565636	
Chlorobenzene-d5	574562	272627 - 1090508	
Fluorobenzene	1411657	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2126.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	9.59	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2126.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.470	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2126.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	264325	141409 - 565636	
Chlorobenzene-d5	577724	272627 - 1090508	
Fluorobenzene	1424994	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LF	**Lab Sample ID:**	K1303232-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2127.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	7.59	1		F
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LF	**Lab Sample ID:**	K1303232-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2127.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.530	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LF	**Lab Sample ID:**	K1303232-011A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2127.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	108	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	261717	141409 - 565636	
Chlorobenzene-d5	570848	272627 - 1090508	
Fluorobenzene	1402915	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LR	**Lab Sample ID:**	K1303232-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2128.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
(m+p)-Xylene	0.200	2.00	0.200	1		U
1,1,1,2-Tetrachloroethane	0.160	0.500	0.160	1		U
1,1,1-Trichloroethane	0.100	1.00	0.100	1		U
1,1,2,2-Tetrachloroethane	0.100	0.500	0.100	1		U
1,1,2-Trichloroethane	0.160	1.00	0.160	1		U
1,1-Dichloroethane	0.100	1.00	0.100	1		U
1,1-Dichloroethene	0.160	1.00	0.160	1		U
1,1-Dichloropropene	0.100	1.00	0.100	1		U
1,2,3-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,3-Trichloropropane	0.330	2.00	0.330	1		U
1,2,4-Trichlorobenzene	0.100	1.00	0.100	1		U
1,2,4-Trimethylbenzene	0.100	1.00	0.100	1		U
1,2-Dibromo-3-chloropropane	1.00	5.00	1.00	1		U
1,2-Dibromoethane	0.160	1.00	0.160	1		U
1,2-Dichlorobenzene	0.100	1.00	0.100	1		U
1,2-Dichloroethane	0.160	0.500	0.160	1		U
1,2-Dichloropropane	0.160	1.00	0.160	1		U
1,3,5-Trimethylbenzene	0.100	1.00	0.100	1		U
1,3-Dichlorobenzene	0.100	1.00	0.100	1		U
1,3-Dichloropropane	0.100	0.500	0.100	1		U
1,4-Dichlorobenzene	0.160	0.500	0.160	1		U
1-Chlorohexane	0.160	1.00	0.160	1		U
2,2-Dichloropropane	0.330	1.00	0.330	1		U
2-Butanone	1.00	10.0	1.00	1		U
2-Chlorotoluene	0.100	1.00	0.100	1		U
4-Chlorotoluene	0.100	1.00	0.100	1		U
4-Methyl-2-pentanone	1.00	10.0	1.00	1		U
Acetone	1.00	10.0	13.0	1		
Benzene	0.100	0.500	0.100	1		U
Bromobenzene	0.100	1.00	0.100	1		U
Bromochloromethane	0.100	1.00	0.100	1		U
Bromodichloromethane	0.100	0.500	0.100	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LR	**Lab Sample ID:**	K1303232-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2128.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Bromoform	0.330	1.00	0.330	1		U
Bromomethane	0.330	3.00	0.330	1		U
Carbon tetrachloride	0.100	1.00	0.100	1		U
Chlorobenzene	0.100	0.500	0.100	1		U
Chloroethane	0.330	1.00	0.330	1		U
Chloroform	0.100	0.500	0.100	1		U
Chloromethane	0.330	1.00	0.330	1		U
cis-1,2-Dichloroethene	0.100	1.00	0.100	1		U
cis-1,3-Dichloropropene	0.160	0.500	0.160	1		U
Dibromochloromethane	0.100	0.500	0.100	1		U
Dibromomethane	0.160	1.00	0.160	1		U
Dichlorodifluoromethane	0.100	1.00	0.100	1		U
Ethylbenzene	0.100	1.00	0.100	1		U
Hexachlorobutadiene	0.100	1.00	0.100	1		U
Isopropylbenzene	0.100	1.00	0.100	1		U
Methyl tert-butyl ether	0.160	5.00	0.160	1		U
Methylene chloride	0.160	1.00	0.240	1		F
n-Butylbenzene	0.100	1.00	0.100	1		U
n-Propylbenzene	0.100	1.00	0.100	1		U
Naphthalene	0.100	1.00	0.100	1		U
o-Xylene	0.100	1.00	0.100	1		U
p-Isopropyltoluene	0.160	1.00	0.160	1		U
sec-Butylbenzene	0.160	1.00	0.160	1		U
Styrene	0.100	1.00	0.100	1		U
tert-Butylbenzene	0.100	1.00	0.100	1		U
Tetrachloroethene	0.100	1.00	0.100	1		U
Toluene	0.100	1.00	0.100	1		U
trans-1,2-Dichloroethene	0.100	1.00	0.100	1		U
trans-1,3-Dichloropropene	0.160	1.00	0.160	1		U
Trichloroethene	0.100	1.00	0.100	1		U
Trichlorofluoromethane	0.100	1.00	0.100	1		U
Vinyl chloride	0.330	1.00	0.330	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW8260B	**Preparatory Method:**		**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LR	**Lab Sample ID:**	K1303232-012A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1860	**File ID:**	K2128.D
Date Received:	20-Mar-13	**Date Extracted:**		**Date Analyzed:**	22-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	10 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Xylenes (total)	0.300	2.00	0.300	1		U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	107	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	95	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	264438	141409 - 565636	
Chlorobenzene-d5	591687	272627 - 1090508	
Fluorobenzene	1432087	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION-GC/MS ANALYSIS

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: HP5973 MSK (5973K)

Date of Initial Calibration: 22 Jan 13

Initial Calibration ID: 1860

Concentration Units: (ug/L or mg/Kg): ug/L

SEE ATTACHED

Comments:

AFCEE FORM O-3

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 16:05:26 2013
Response via : Initial Calibration

ICAL #1860

Calibration Files
0.25 =K1737.D 0.50 =K1738.D 1.0 =K1739.D
2.0 =K1740.D 10 =K1741.D 20 =K1743.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluoromet	0.327	0.321	0.332	0.324	0.346	0.345	0.333	2.48
3)	P	Chloromethane	0.386	0.350	0.352	0.346	0.353	0.360	0.353	3.73
4)	CP	Vinyl chloride	0.263	0.254	0.265	0.267	0.290	0.296	0.278	5.17
5)		Bromomethane		0.047	0.066	0.052	0.090	0.081	0.084	29.38
6)		Chloroethane	0.187	0.169	0.188	0.191	0.204	0.203	0.192	5.19
7)		Trichlorofluorometh	0.344	0.324	0.343	0.337	0.361	0.364	0.349	3.55
8)	CPM	1,1-Dichloroethene	0.236	0.221	0.219	0.223	0.245	0.247	0.237	4.90
9)		Carbon disulfide	1.138	1.037	0.926	0.946	1.034	1.049	1.026	5.60
10)		1,1,2-Trichloro-1,2	0.228	0.221	0.226	0.225	0.248	0.248	0.239	5.27
11)		Methyl iodide			0.022	0.044	0.139	0.176	0.136	48.15
12)		Acrolein	0.014	0.016	0.017	0.020	0.024	0.025	0.021	19.11
13)		Methylene chloride		0.428	0.358	0.301	0.277	0.270	0.298	19.36
14)		Acetone		0.026	0.025	0.028	0.027	0.028	0.027	4.20
15)		tert-Butyl alcohol		0.005	0.007	0.007	0.008	0.009	0.007	14.60
16)		trans-1,2-Dichloroe	0.262	0.234	0.245	0.242	0.267	0.264	0.257	4.60
17)		Methyl acetate	0.082	0.086	0.098	0.102	0.095	0.101	0.094	7.06
18)		Methyl tert-Butyl e	0.515	0.441	0.471	0.467	0.502	0.504	0.484	4.63
19)	P	1,1-Dichloroethane	0.477	0.435	0.444	0.446	0.482	0.485	0.466	3.79
20)		Acrylonitrile	0.036	0.035	0.042	0.044	0.046	0.047	0.043	9.76
21)		Vinyl acetate	0.317	0.268	0.268	0.292	0.323	0.336	0.312	8.54
22)		cis-1,2-Dichloroeth	0.275	0.241	0.257	0.256	0.280	0.283	0.272	5.57
23)		2,2-Dichloropropane	0.387	0.340	0.343	0.347	0.381	0.378	0.366	4.63
24)		Bromochloromethane	0.072	0.071	0.084	0.086	0.096	0.095	0.085	9.83
25)		Cyclohexane	0.550	0.510	0.522	0.524	0.565	0.560	0.541	3.33
26)	CP	Chloroform	0.466	0.414	0.429	0.427	0.462	0.468	0.450	4.31
27)		Carbon tetrachlorid	0.251	0.229	0.245	0.244	0.278	0.288	0.269	9.09
28)		Tetrahydrofuran		0.056	0.046	0.041	0.036	0.037	0.040	17.68
29)		1,1,1-Trichloroetha	0.356	0.321	0.332	0.336	0.370	0.375	0.360	6.15
30)		2-Butanone		0.039	0.046	0.046	0.050	0.053	0.049	9.08
31)		1,1-Dichloropropene	0.367	0.332	0.348	0.350	0.385	0.386	0.370	5.44
32)	M	Benzene	1.155	1.038	1.062	1.066	1.136	1.133	1.103	3.34
33)	S	1,2-Dichloroethane-				0.207	0.219	0.222	0.216	2.66
34)		1,2-Dichloroethane	0.240	0.215	0.231	0.234	0.251	0.257	0.242	5.46
35)		Methylcyclohexane	0.404	0.375	0.379	0.390	0.428	0.426	0.412	5.66
36)	M	Trichloroethene	0.257	0.240	0.241	0.245	0.270	0.274	0.263	6.03
37)		Dibromomethane	0.088	0.087	0.099	0.099	0.111	0.114	0.105	10.41
38)	CP	1,2-Dichloropropane	0.271	0.248	0.258	0.259	0.280	0.284	0.273	4.77
39)		Bromodichloromethan	0.261	0.240	0.259	0.265	0.305	0.315	0.292	10.86
40)		2-Chloroethylvinyl		0.054	0.066	0.068	0.080	0.079	0.067	13.36
41)		cis-1,3-Dichloropro	0.347	0.316	0.341	0.348	0.403	0.412	0.381	10.06
42)	CPM	Toluene	0.639	0.604	0.612	0.614	0.667	0.675	0.652	4.90
43)		4-Methyl-2-pentanon	0.111	0.097	0.111	0.110	0.120	0.125	0.116	7.55

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

1/28/13

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 16:05:26 2013
Response via : Initial Calibration

Calibration Files
0.25 =K1737.D 0.50 =K1738.D 1.0 =K1739.D
2.0 =K1740.D 10 =K1741.D 20 =K1743.D

		Compound	0.25	0.50	1.0	2.0	10	20	Avg	%RSD
44)		trans-1,3-Dichlorop	0.243	0.219	0.237	0.255	0.307	0.318	0.286	14.60
45)		1,1,2-Trichloroetha	0.127	0.122	0.131	0.135	0.146	0.149	0.140	7.44
46)		2-Hexanone	0.065	0.058	0.066	0.069	0.077	0.082	0.074	12.10
47)	I	Chlorobenzene-d5	----------ISTD----------							
48)	S	Toluene-d8	3.131	2.543	2.469	2.290	2.262	2.260	2.355	13.05
49)		Tetrachloroethene	0.494	0.475	0.480	0.486	0.510	0.521	0.508	4.45
50)		Dibromochloromethan	0.313	0.306	0.329	0.342	0.396	0.416	0.374	12.19
51)		1,3-Dichloropropane	0.736	0.671	0.711	0.724	0.735	0.749	0.712	3.41
52)		1,2-Dibromoethane	0.306	0.293	0.329	0.340	0.362	0.372	0.341	7.27
53)		1-Chlorohexane	0.837	0.824	0.846	0.840	0.895	0.900	0.863	3.04
54)	PM	Chlorobenzene	1.789	1.614	1.608	1.609	1.662	1.685	1.653	3.29
55)	CP	Ethylbenzene	3.340	2.984	3.001	2.940	2.953	2.969	2.935	5.99
56)		1,1,1,2-Tetrachloro	0.418	0.419	0.426	0.435	0.480	0.494	0.464	7.52
57)		(m+p)-Xylene	1.065	1.007	1.021	0.993	1.028	1.074	1.037	2.60
58)		o-Xylene	1.088	0.955	0.980	0.965	1.004	1.048	1.021	4.35
59)		Styrene	1.491	1.441	1.503	1.509	1.620	1.702	1.600	6.43
60)	P	Bromoform	0.096	0.100	0.132	0.137	0.169	0.182	0.156	23.70
61)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
62)		Isopropylbenzene	4.443	4.204	4.203	4.323	4.591	4.293	4.219	5.72
63)	S	Bromofluorobenzene	1.009	0.844	0.907	0.874	0.892	0.842	0.871	6.47
64)		Bromobenzene	0.976	0.854	0.948	0.964	1.032	0.975	0.960	4.80
65)		n-Propylbenzene	4.948	4.801	4.778	4.859	5.267	5.065	4.896	4.58
66)	P	1,1,2,2-Tetrachloro	0.703	0.664	0.731	0.761	0.818	0.776	0.733	6.21
67)		2-Chlorotoluene	3.777	3.471	3.532	3.554	3.762	3.613	3.558	4.10
68)		1,3,5-Trimethylbenz	2.555	2.403	2.370	2.424	2.589	2.654	2.557	4.48
69)		1,2,3-Trichloroprop		0.118	0.165	0.176	0.201	0.188	0.171	13.45
70)		trans-1,4-Dichloro-			0.083	0.098	0.121	0.135	0.124	17.56
71)		4-Chlorotoluene	3.043	2.940	3.008	3.040	3.216	3.160	3.061	3.19
72)		tert-Butylbenzene	2.568	2.425	2.443	2.492	2.635	2.593	2.534	3.05
73)		1,2,4-Trimethylbenz	2.071	1.967	2.011	2.061	2.233	2.292	2.185	6.45
74)		sec-Butylbenzene	3.566	3.433	3.518	3.598	3.916	3.836	3.676	4.57
75)		p-Isopropyltoluene	2.229	2.217	2.225	2.260	2.502	2.527	2.420	6.71
76)		1,3-Dichlorobenzene	1.635	1.570	1.601	1.594	1.730	1.694	1.661	3.36
77)		1,4-Dichlorobenzene	1.605	1.529	1.533	1.517	1.629	1.624	1.591	2.85
78)		n-Butylbenzene	1.683	1.582	1.695	1.769	2.036	2.053	1.903	10.25
79)		1,2-Dichlorobenzene	1.380	1.277	1.339	1.352	1.461	1.445	1.392	4.01
80)		1,2-Dibromo-3-chlor			0.074	0.080	0.094	0.094	0.087	8.11
81)		Hexachlorobutadiene	0.205	0.231	0.226	0.259	0.283	0.271	0.258	10.73
82)		1,2,4-Trichlorobenz	0.265	0.243	0.299	0.322	0.365	0.399	0.345	17.24
83)		Naphthalene	0.435	0.349	0.420	0.444	0.511	0.583	0.485	15.30
84)		1,2,3-Trichlorobenz	0.121	0.176	0.232	0.245	0.266	0.299	0.243	22.96

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

Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrato
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 15:58:10 2013
Response via : Initial Calibration

Calibration Files
30 =K1744.D 40 =K1745.D 60 =K1747.D
80 =K1749.D = =

		Compound	30	40	60	80
1)	I	Fluorobenzene	ISTD			
2)		Dichlorodifluoromet	0.335	0.338	0.331	0.334
3)	P	Chloromethane	0.338	0.348	0.349	0.345
4)	CP	Vinyl chloride	0.287	0.285	0.286	0.287
5)		Bromomethane	0.107	0.116	0.088	0.108
6)		Chloroethane	0.195	0.197	0.195	0.193
7)		Trichlorofluorometh	0.353	0.353	0.355	0.360
8)	CPM	1,1-Dichloroethene	0.240	0.245	0.246	0.249
9)		Carbon disulfide	1.034	1.035	1.036	1.025
10)		1,1,2-Trichloro-1,2	0.247	0.248	0.248	0.255
11)		Methyl iodide	0.184	0.181	0.174	0.170
12)		Acrolein	0.023	0.024	0.025	0.025
13)		Methylene chloride	0.260	0.263	0.264	0.264
14)		Acetone	0.026	0.027	0.029	0.028
15)		tert-Butyl alcohol	0.008	0.008	0.008	0.007
16)		trans-1,2-Dichloroe	0.258	0.263	0.266	0.266
17)		Methyl acetate	0.089	0.097	0.099	0.091
18)		Methyl tert-Butyl e	0.465	0.488	0.497	0.488
19)	P	1,1-Dichloroethane	0.468	0.476	0.475	0.472
20)		Acrylonitrile	0.043	0.045	0.047	0.046
21)		Vinyl acetate	0.318	0.321	0.339	0.334
22)		cis-1,2-Dichloroeth	0.274	0.280	0.285	0.286
23)		2,2-Dichloropropane	0.378	0.374	0.370	0.366
24)		Bromochloromethane	0.089	0.088	0.087	0.086
25)		Cyclohexane	0.554	0.551	0.542	0.538
26)	CP	Chloroform	0.452	0.462	0.464	0.459
27)		Carbon tetrachlorid	0.280	0.288	0.294	0.296
28)		Tetrahydrofuran	0.033	0.035	0.037	0.035
29)		1,1,1-Trichloroetha	0.369	0.375	0.380	0.382
30)		2-Butanone	0.049	0.051	0.053	0.052
31)		1,1-Dichloropropene	0.380	0.383	0.386	0.388
32)	M	Benzene	1.109	1.116	1.113	1.098
33)	S	1,2-Dichloroethane-	0.210	0.217	0.220	0.220
34)		1,2-Dichloroethane	0.241	0.250	0.254	0.253
35)		Methylcyclohexane	0.433	0.430	0.425	0.435
36)	M	Trichloroethene	0.270	0.275	0.278	0.280
37)		Dibromomethane	0.106	0.112	0.115	0.115
38)	CP	1,2-Dichloropropane	0.277	0.281	0.283	0.284
39)		Bromodichloromethan	0.307	0.316	0.323	0.324
40)		2-Chloroethylvinyl	0.069	0.068	0.062	0.055
41)		cis-1,3-Dichloropro	0.399	0.409	0.416	0.418
42)	CPM	Toluene	0.669	0.678	0.679	0.686
43)		4-Methyl-2-pentanon	0.115	0.120	0.124	0.124

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

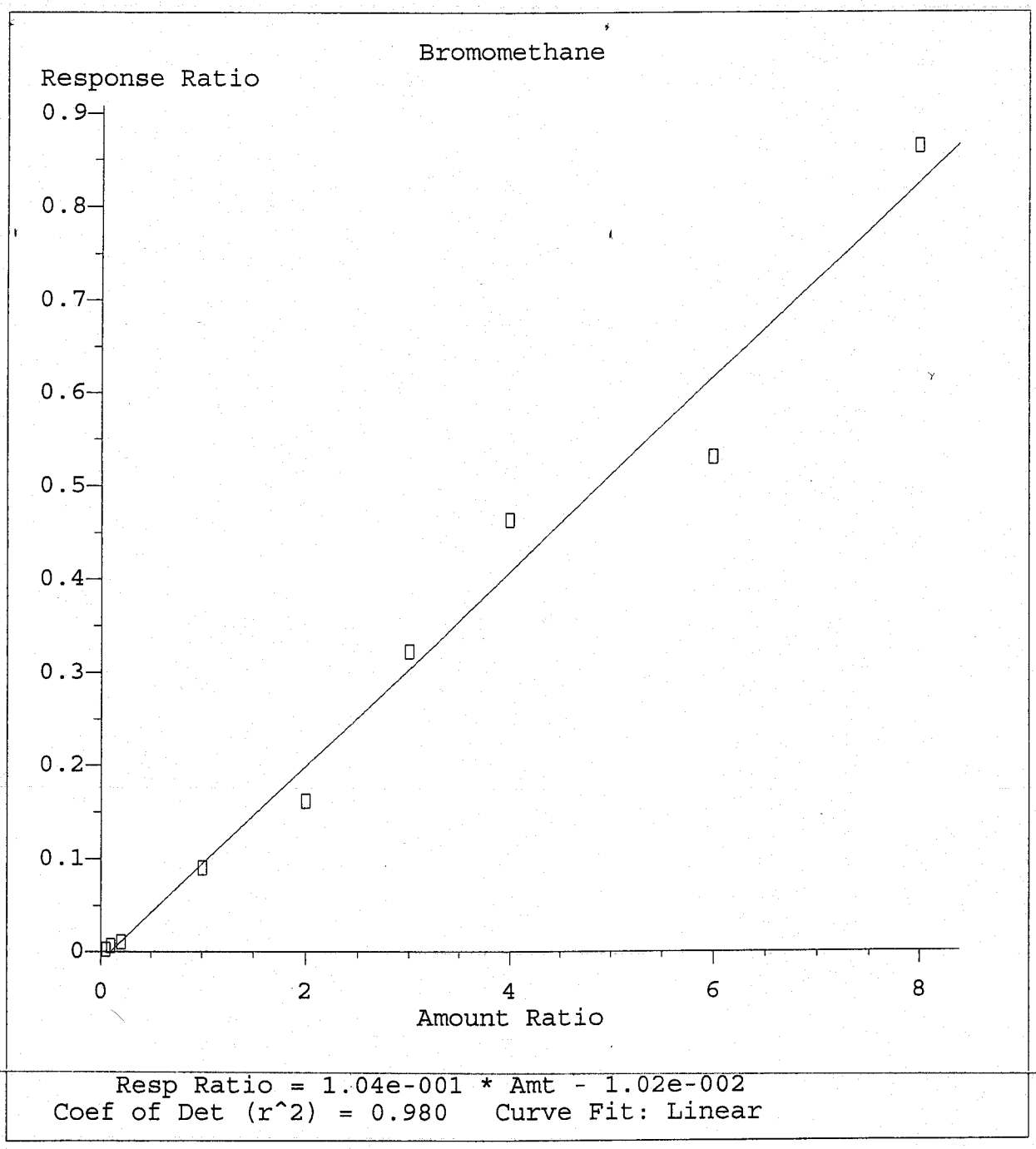
Response Factor Report 5973K

Method : C:\HPCHEM\1\METHODS\K122VOCW.M (RTE Integrato
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Jan 28 15:58:10 2013
Response via : Initial Calibration

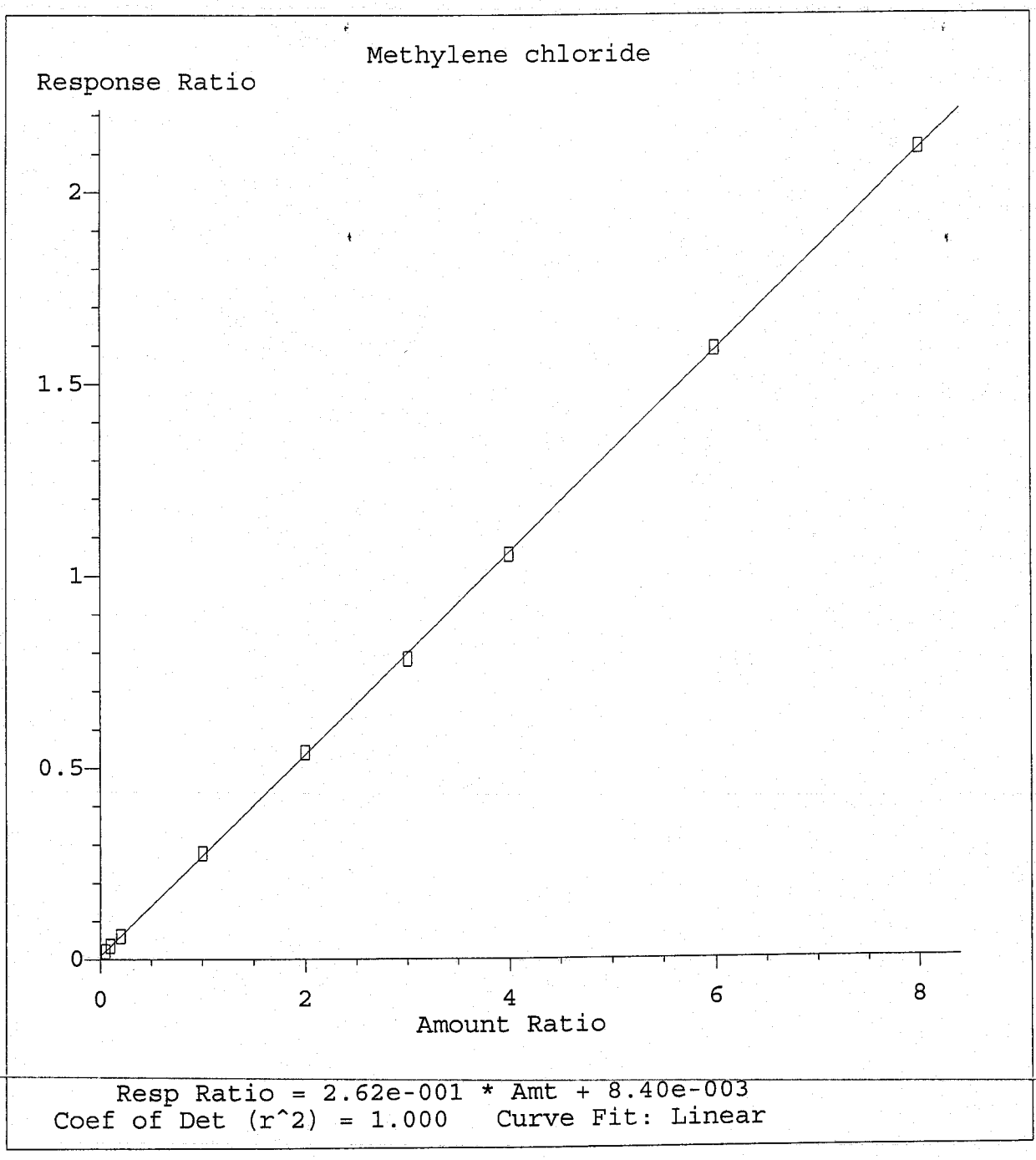
Calibration Files
30 =K1744.D 40 =K1745.D 60 =K1747.D
80 =K1749.D = =

		Compound	30	40	60	80
44)		trans-1,3-Dichlorop	0.307	0.318	0.325	0.325
45)		1,1,2-Trichloroetha	0.141	0.146	0.151	0.152
46)		2-Hexanone	0.076	0.080	0.083	0.084
47)	I	Chlorobenzene-d5	----------			ISTD----------
48)	S	Toluene-d8	2.194	2.198	2.109	2.095
49)		Tetrachloroethene	0.520	0.526	0.526	0.542
50)		Dibromochloromethan	0.397	0.412	0.411	0.415
51)		1,3-Dichloropropane	0.693	0.712	0.697	0.690
52)		1,2-Dibromoethane	0.345	0.357	0.352	0.350
53)		1-Chlorohexane	0.884	0.880	0.860	0.865
54)	PM	Chlorobenzene	1.645	1.666	1.635	1.622
55)	CP	Ethylbenzene	2.859	2.868	2.752	2.686
56)		1,1,1,2-Tetrachloro	0.484	0.495	0.493	0.499
57)		(m+p)-Xylene	1.043	1.069	1.048	1.026
58)		o-Xylene	1.014	1.047	1.050	1.062
59)		Styrene	1.643	1.697	1.695	1.697
60)	P	Bromoform	0.176	0.186	0.189	0.193
61)	I	1,4-Dichlorobenzene-d	----------			ISTD----------
62)		Isopropylbenzene	4.327	4.130	3.907	3.770
63)	S	Bromofluorobenzene	0.861	0.838	0.817	0.826
64)		Bromobenzene	0.999	0.964	0.940	0.948
65)		n-Propylbenzene	5.124	4.932	4.690	4.491
66)	P	1,1,2,2-Tetrachloro	0.752	0.734	0.709	0.686
67)		2-Chlorotoluene	3.625	3.539	3.382	3.324
68)		1,3,5-Trimethylbenz	2.645	2.652	2.660	2.615
69)		1,2,3-Trichloroprop	0.183	0.174	0.171	0.168
70)		trans-1,4-Dichloro-	0.141	0.142	0.139	0.131
71)		4-Chlorotoluene	3.168	3.103	2.995	2.934
72)		tert-Butylbenzene	2.632	2.584	2.500	2.473
73)		1,2,4-Trimethylbenz	2.275	2.294	2.336	2.311
74)		sec-Butylbenzene	3.880	3.799	3.645	3.572
75)		p-Isopropyltoluene	2.566	2.559	2.565	2.548
76)		1,3-Dichlorobenzene	1.712	1.697	1.687	1.686
77)		1,4-Dichlorobenzene	1.614	1.626	1.616	1.620
78)		n-Butylbenzene	2.071	2.060	2.045	2.032
79)		1,2-Dichlorobenzene	1.417	1.420	1.420	1.414
80)		1,2-Dibromo-3-chlor	0.089	0.091	0.089	0.086
81)		Hexachlorobutadiene	0.282	0.279	0.270	0.276
82)		1,2,4-Trichlorobenz	0.362	0.386	0.414	0.396
83)		Naphthalene	0.479	0.536	0.577	0.520
84)		1,2,3-Trichlorobenz	0.250	0.276	0.297	0.271

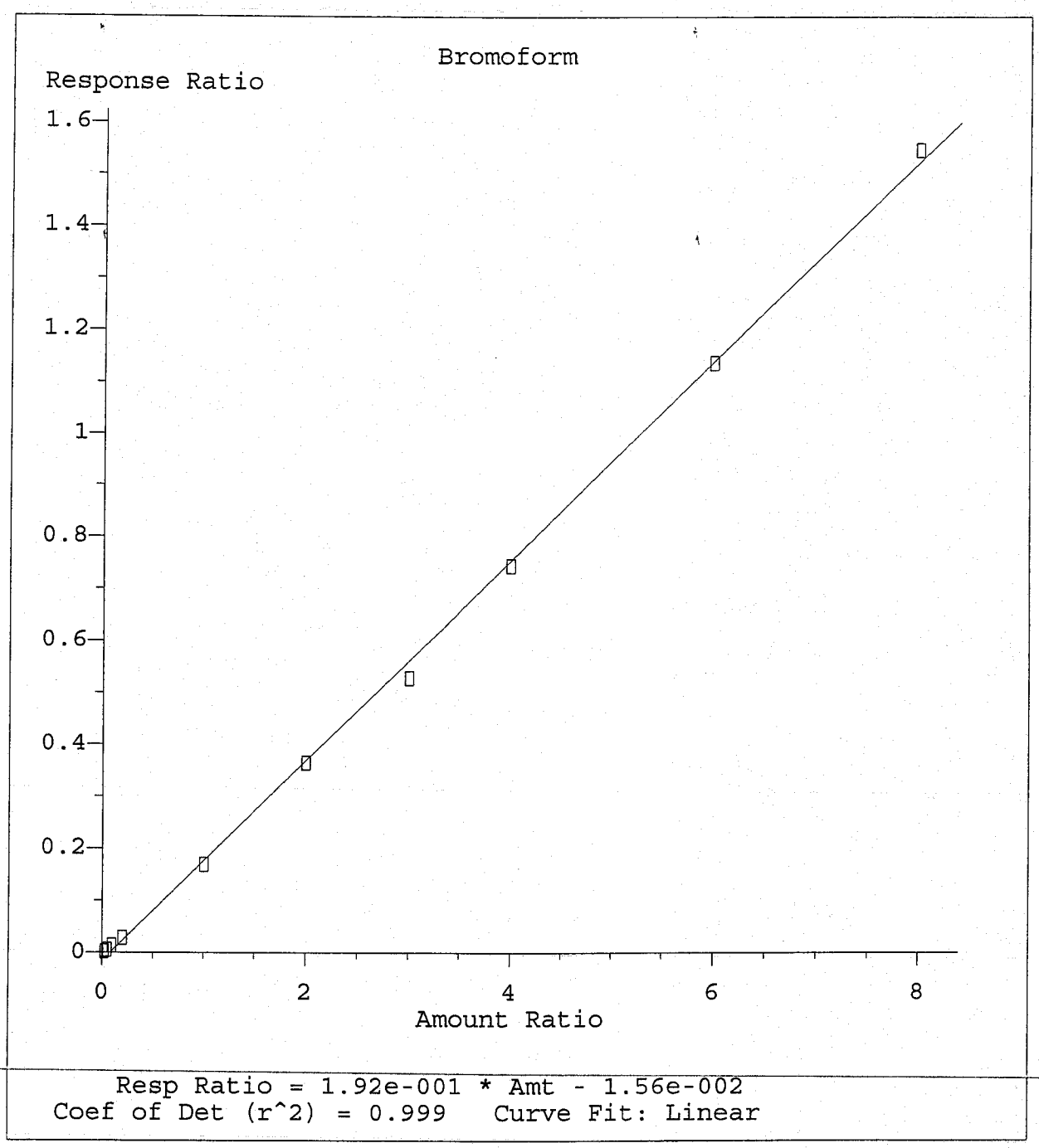
(#) = Out of Range ### Number of calibration levels exceeded fo



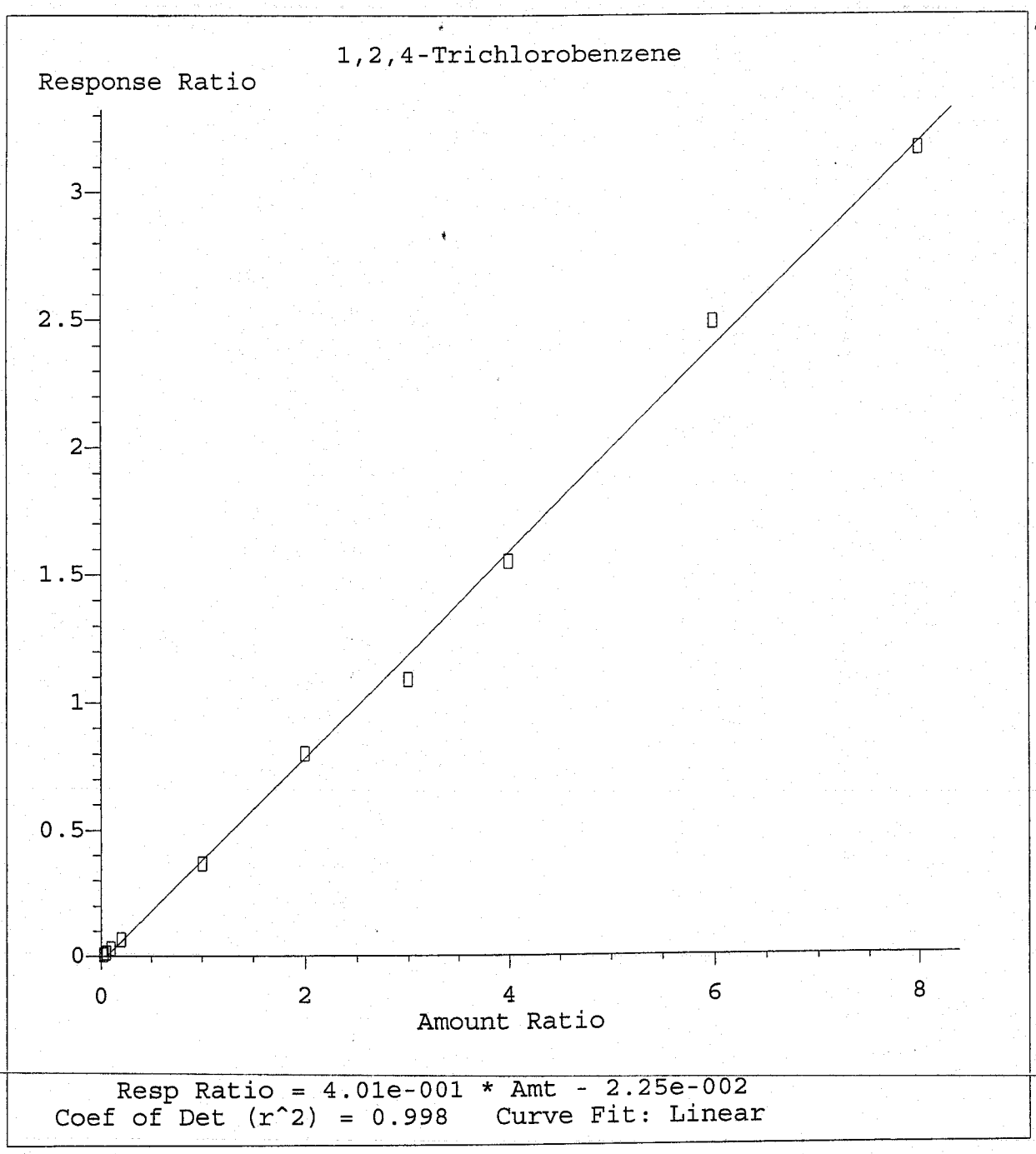
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Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



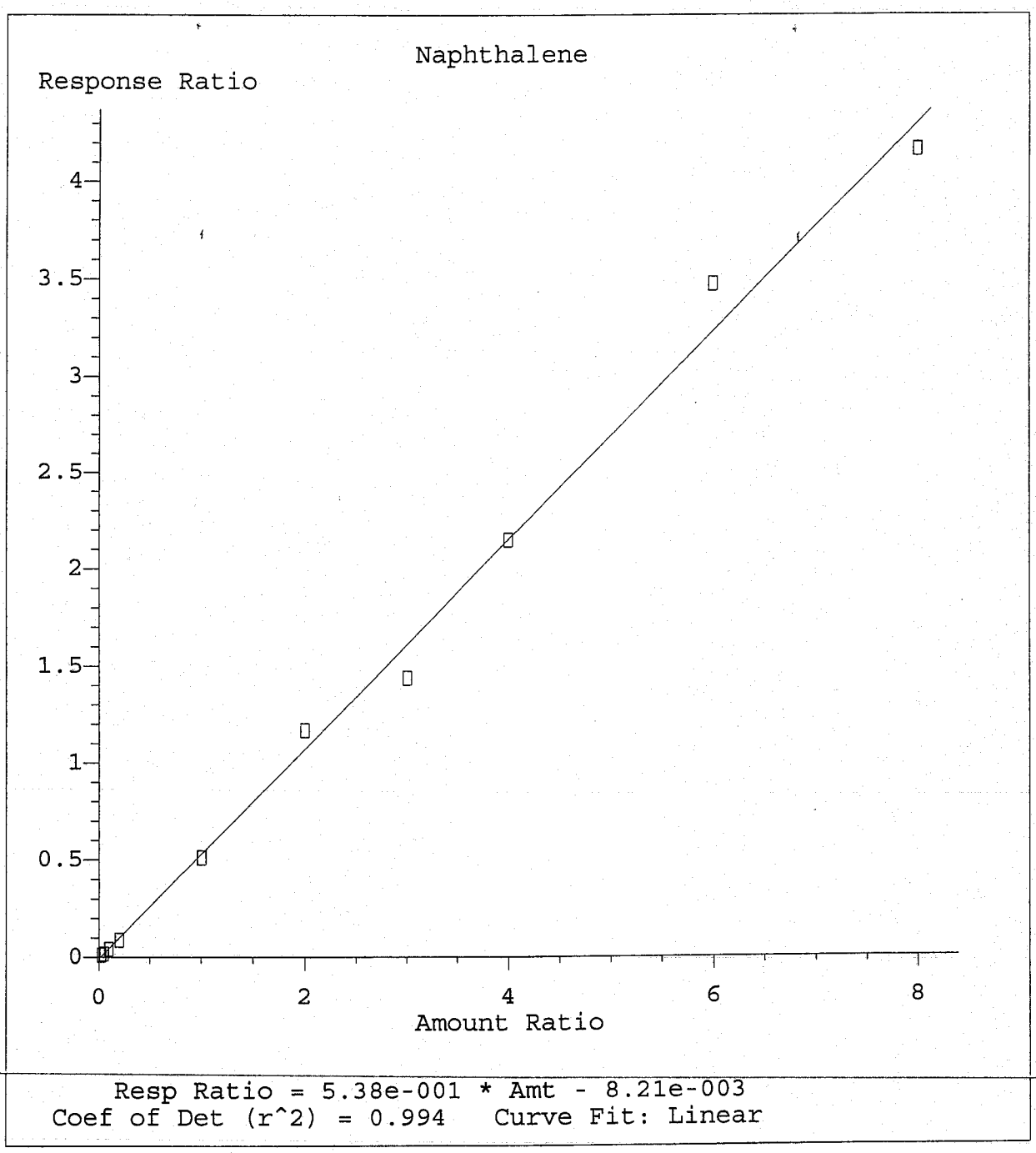
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Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



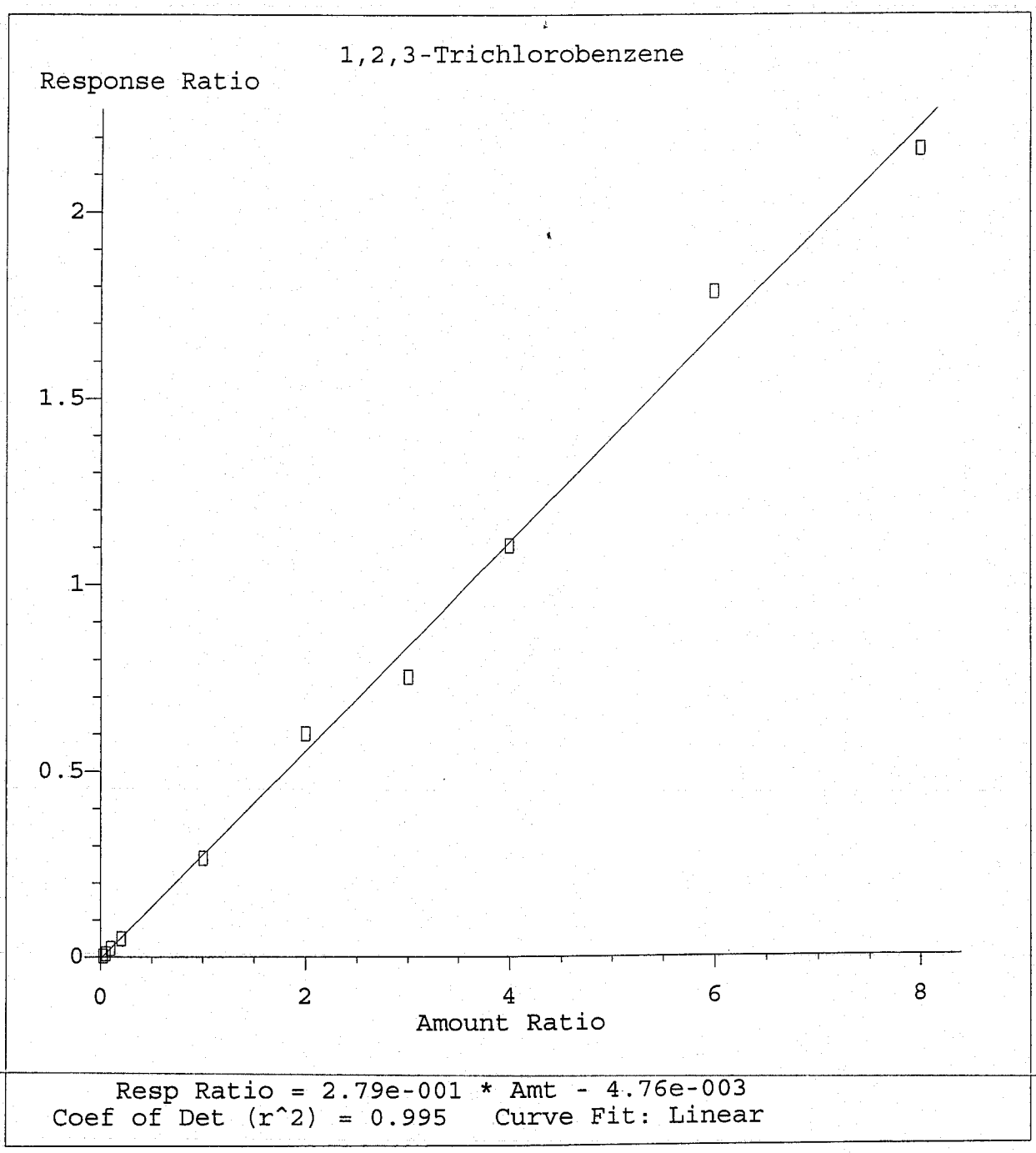
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Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013



Method Name: C:\HPCHEM\1\METHODS\K122VOCW.M
Calibration Table Last Updated: Mon Jan 28 15:58:33 2013

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R25406
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1860
Second Source ID:	2SRC-25407	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
(m+p)-Xylene	20	19	-5.0	
1,1,1,2-Tetrachloroethane	10	9.59	-4.1	
1,1,1-Trichloroethane	10	8.46	-15.4	
1,1,2,2-Tetrachloroethane	10	10.6	6.1	
1,1,2-Trichloroethane	10	10	0	
1,1-Dichloroethane	10	10.1	0.6	
1,1-Dichloroethene	10	8.97	-10.3	
1,1-Dichloropropene	10	9.2	-8.0	
1,2,3-Trichlorobenzene	10	10.3	3.2	
1,2,3-Trichloropropane	10	10.2	1.7	
1,2,4-Trichlorobenzene	10	10	0.1	
1,2,4-Trimethylbenzene	10	9.77	-2.3	
1,2-Dibromo-3-chloropropane	10	11.5	14.7	
1,2-Dibromoethane	10	9.69	-3.1	
1,2-Dichlorobenzene	10	10.3	2.8	
1,2-Dichloroethane	10	9.22	-7.8	
1,2-Dichloropropane	10	10.2	2.4	
1,3,5-Trimethylbenzene	10	9.4	-6.0	
1,3-Dichlorobenzene	10	9.91	-0.9	
1,3-Dichloropropane	10	9.97	-0.3	
1,4-Dichlorobenzene	10	9.96	-0.4	
1-Chlorohexane	10	10	0.5	
2,2-Dichloropropane	10	9.55	-4.5	
2-Butanone	20	20.9	4.5	
2-Chlorotoluene	10	9.64	-3.6	
4-Chlorotoluene	10	9.49	-5.1	
4-Methyl-2-pentanone	20	21.6	7.8	
Acetone	20	21.7	8.4	
Benzene	10	9.53	-4.7	
Bromobenzene	10	9.83	-1.7	
Bromochloromethane	10	9.9	-1.0	
Bromodichloromethane	10	9.34	-6.6	
Bromoform	10	9.03	-9.7	
Bromomethane	10	11.1	10.8	
Carbon tetrachloride	10	8.26	-17.4	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	SW8260B	**AAB #:**	R25406
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Instrument ID:	MSK_75	**Initial Calibration ID:**	1860
Second Source ID:	2SRC-25407	**Concentration Units (mg/L or mg/kg):**	µg/L

Analyte	Expected	Found	%D	Q
Chlorobenzene	10	9.73	-2.7	
Chloroethane	10	9.91	-0.9	
Chloroform	10	9.02	-9.8	
Chloromethane	10	10.5	5.0	
cis-1,2-Dichloroethene	10	9.45	-5.5	
cis-1,3-Dichloropropene	10	9.94	-0.6	
Dibromochloromethane	10	9.08	-9.2	
Dibromomethane	10	9.33	-6.7	
Dichlorodifluoromethane	10	10	0.1	
Ethylbenzene	10	9.53	-4.7	
Hexachlorobutadiene	10	11.7	16.6	
Isopropylbenzene	10	10.8	8.1	
Methyl tert-butyl ether	10	9.65	-3.5	
Methylene chloride	10	9.66	-3.4	
n-Butylbenzene	10	10.4	4.1	
n-Propylbenzene	10	10	0	
Naphthalene	10	9.75	-2.5	
o-Xylene	10	9.61	-3.9	
p-Isopropyltoluene	10	9.72	-2.8	
sec-Butylbenzene	10	9.82	-1.8	
Styrene	10	9.71	-2.9	
tert-Butylbenzene	10	9.64	-3.6	
Tetrachloroethene	10	9.37	-6.3	
Toluene	10	9.86	-1.4	
trans-1,2-Dichloroethene	10	9.11	-8.9	
trans-1,3-Dichloropropene	10	10.3	2.7	
Trichloroethene	10	9.01	-9.9	
Trichlorofluoromethane	10	9	-10	
Vinyl chloride	10	11.1	11.3	
Xylenes (total)	30	28.6	-4.6	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8260B

AAB #:

Lab Name: Life Science Laboratories, Inc.

Contract #:

Instrument ID: 5973 MSK (5973K)

Initial Calibration ID: 1860

ICV ID: 2SRC-25407

CCV #1 ID: CCV-25429

CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Data File : C:\HPCHEM\1\DATA\K2076.D
Acq On : 19 Mar 2013 8:14
Sample : TB130319AK/CCV -25429
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 24
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 18 13:31:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	131	0.00
2		Dichlorodifluoromethane	0.333	0.311	-6.6	118	0.00
3	P	Chloromethane	0.353	0.366	3.7	136	0.00
4	CP	Vinyl chloride	0.278	0.324	16.5	146	0.00
5		Bromomethane	0.084	0.100	19.0	146	0.00
6		Chloroethane	0.192	0.197	2.6	126	0.01
7		Trichlorofluoromethane	0.349	0.311	-10.9	113	0.00
8	CPM	1,1-Dichloroethene	0.237	0.208	-12.2	111	0.00
9		Methylene chloride	0.298	0.261	-12.4	124	0.00
10		Acetone	0.027	0.033	22.2#	161	0.00
11		trans-1,2-Dichloroethene	0.257	0.223	-13.2	109	0.00
12		Methyl tert-Butyl ether	0.484	0.501	3.5	131	0.00
13	P	1,1-Dichloroethane	0.466	0.505	8.4	138	0.00
14		cis-1,2-Dichloroethene	0.272	0.263	-3.3	123	0.00
15		2,2-Dichloropropane	0.366	0.373	1.9	128	0.00
16		Bromochloromethane	0.085	0.083	-2.4	114	0.00
17	CP	Chloroform	0.450	0.448	-0.4	127	0.00
18		Carbon tetrachloride	0.269	0.229	-14.9	108	0.00
19		1,1,1-Trichloroethane	0.360	0.331	-8.1	117	0.00
20		2-Butanone	0.049	0.063	28.6#	165	0.00
21		1,1-Dichloropropene	0.370	0.355	-4.1	121	0.00
22	M	Benzene	1.103	1.106	0.3	128	0.00
23	S	1,2-Dichloroethane-d4	0.211	0.218	3.3	130	0.00
24		1,2-Dichloroethane	0.242	0.253	4.5	132	0.00
25	M	Trichloroethene	0.263	0.241	-8.4	117	0.00
26		Dibromomethane	0.105	0.102	-2.9	121	0.00
27	CP	1,2-Dichloropropane	0.273	0.309	13.2	144	0.00
28		Bromodichloromethane	0.292	0.297	1.7	127	0.00
29		cis-1,3-Dichloropropene	0.381	0.399	4.7	130	0.00
30	CPM	Toluene	0.652	0.637	-2.3	125	0.00
31		4-Methyl-2-pentanone	0.116	0.152	31.0#	166	0.00
32		trans-1,3-Dichloropropene	0.286	0.305	6.6	130	0.00
33		1,1,2-Trichloroethane	0.140	0.152	8.6	136	0.00
34	I	Chlorobenzene-d5	1.000	1.000	0.0	136	0.00
35	S	Toluene-d8	2.355	2.029	-13.8	122	0.01
36		Tetrachloroethene	0.508	0.429	-15.6	115	0.00
37		Dibromochloromethane	0.374	0.339	-9.4	117	0.00
38		1,3-Dichloropropane	0.712	0.739	3.8	137	0.00
39		1,2-Dibromoethane	0.341	0.324	-5.0	122	0.00
40		1-Chlorohexane	0.863	0.832	-3.6	127	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K2076.D
Acq On : 19 Mar 2013 8:14
Sample : TB130319AK/CCV-25429
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 24
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 18 13:31:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	1.653	1.523	-7.9	125	0.00
42	CP	Ethylbenzene	2.935	2.774	-5.5	128	0.00
43		1,1,1,2-Tetrachloroethane	0.464	0.427	-8.0	121	0.00
44		(m+p)-Xylene	1.037	0.934	-9.9	124	0.00
45		o-Xylene	1.021	0.941	-7.8	128	0.00
46		Styrene	1.600	1.517	-5.2	128	0.00
47	P	Bromoform	0.156	0.152	-2.6	123	0.00
48	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	134	0.00
49		Isopropylbenzene	4.219	4.364	3.4	128	0.00
50	S	Bromofluorobenzene	0.871	0.874	0.3	132	0.00
51		Bromobenzene	0.960	0.974	1.5	127	0.00
52		n-Propylbenzene	4.896	5.117	4.5	130	0.00
53	P	1,1,2,2-Tetrachloroethane	0.733	0.881	20.2#	145	0.00
54		2-Chlorotoluene	3.558	3.670	3.1	131	0.00
55		1,3,5-Trimethylbenzene	2.557	2.490	-2.6	129	0.00
56		1,2,3-Trichloropropane	0.171	0.196	14.6	131	0.00
57		4-Chlorotoluene	3.061	3.180	3.9	133	0.00
58		tert-Butylbenzene	2.534	2.549	0.6	130	0.00
59		1,2,4-Trimethylbenzene	2.185	2.112	-3.3	127	0.00
60		sec-Butylbenzene	3.676	3.844	4.6	132	0.00
61		p-Isopropyltoluene	2.420	2.389	-1.3	128	0.00
62		1,3-Dichlorobenzene	1.661	1.696	2.1	132	0.00
63		1,4-Dichlorobenzene	1.591	1.565	-1.6	129	0.00
64		n-Butylbenzene	1.903	2.082	9.4	137	0.00
65		1,2-Dichlorobenzene	1.392	1.477	6.1	136	0.00
66		1,2-Dibromo-3-chloropropane	0.087	0.108	24.1#	154	0.00
67		Hexachlorobutadiene	0.258	0.323	25.2#	153	0.00
68		1,2,4-Trichlorobenzene	0.345	0.397	15.1	146	0.00
69		Naphthalene	0.485	0.552	13.8	145	0.00
70		1,2,3-Trichlorobenzene	0.243	0.304	25.1#	153	0.00

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

Data File : C:\HPCHEM\1\DATA\K2076.D
Acq On : 19 Mar 2013 8:14
Sample : TB130319AK/CCV-25429
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 24
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 18 13:31:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	131	0.00
2		Dichlorodifluoromethane	10.000	9.334	-6.7	118	0.00
3	P	Chloromethane	10.000	10.366	3.7	136	0.00
4	CP	Vinyl chloride	10.000	11.647	16.5	146	0.00
5		Bromomethane	10.000	10.576	5.8	146	0.00
6		Chloroethane	10.000	10.226	2.3	126	0.01
7		Trichlorofluoromethane	10.000	8.905	-11.0	113	0.00
8	CPM	1,1-Dichloroethene	10.000	8.766	-12.3	111	0.00
9		Methylene chloride	10.000	9.639	-3.6	124	0.00
10		Acetone	20.000	24.681	23.4#	161	0.00
11		trans-1,2-Dichloroethene	10.000	8.671	-13.3	109	0.00
12		Methyl tert-Butyl ether	10.000	10.356	3.6	131	0.00
13	P	1,1-Dichloroethane	10.000	10.847	8.5	138	0.00
14		cis-1,2-Dichloroethene	10.000	9.690	-3.1	123	0.00
15		2,2-Dichloropropane	10.000	10.178	1.8	128	0.00
16		Bromochloromethane	10.000	9.717	-2.8	114	0.00
17	CP	Chloroform	10.000	9.937	-0.6	127	0.00
18		Carbon tetrachloride	10.000	8.513	-14.9	108	0.00
19		1,1,1-Trichloroethane	10.000	9.207	-7.9	117	0.00
20		2-Butanone	20.000	25.793	29.0#	165	0.00
21		1,1-Dichloropropene	10.000	9.580	-4.2	121	0.00
22	M	Benzene	10.000	10.035	0.4	128	0.00
23	S	1,2-Dichloroethane-d4	10.000	10.074	0.7	130	0.00
24		1,2-Dichloroethane	10.000	10.442	4.4	132	0.00
25	M	Trichloroethene	10.000	9.171	-8.3	117	0.00
26		Dibromomethane	10.000	9.731	-2.7	121	0.00
27	CP	1,2-Dichloropropane	10.000	11.332	13.3	144	0.00
28		Bromodichloromethane	10.000	10.168	1.7	127	0.00
29		cis-1,3-Dichloropropene	10.000	10.468	4.7	130	0.00
30	CPM	Toluene	10.000	9.766	-2.3	125	0.00
31		4-Methyl-2-pentanone	20.000	26.255	31.3#	166	0.00
32		trans-1,3-Dichloropropene	10.000	10.673	6.7	130	0.00
33		1,1,2-Trichloroethane	10.000	10.815	8.1	136	0.00
34	I	Chlorobenzene-d5	10.000	10.000	0.0	136	0.00
35	S	Toluene-d8	10.000	8.617	-13.8	122	0.01
36		Tetrachloroethene	10.000	8.453	-15.5	115	0.00
37		Dibromochloromethane	10.000	9.082	-9.2	117	0.00
38		1,3-Dichloropropane	10.000	10.379	3.8	137	0.00
39		1,2-Dibromoethane	10.000	9.514	-4.9	122	0.00
40		1-Chlorohexane	10.000	9.637	-3.6	127	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2076.D
Acq On : 19 Mar 2013 8:14
Sample : TB130319AK/CCV+25429
Misc : CCV ,8260WAF 40CAL,
MS Integration Params: RTEINT.P

Vial: 24
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Mon Mar 18 13:31:38 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	10.000	9.213	-7.9	125	0.00
42	CP	Ethylbenzene	10.000	9.450	-5.5	128	0.00
43		1,1,1,2-Tetrachloroethane	10.000	9.185	-8.1	121	0.00
44		(m+p)-Xylene	20.000	18.017	-9.9	124	0.00
45		o-Xylene	10.000	9.212	-7.9	128	0.00
46		Styrene	10.000	9.479	-5.2	128	0.00
47	P	Bromoform	10.000	8.711	-12.9	123	0.00
48	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	134	0.00
49		Isopropylbenzene	10.000	10.344	3.4	128	0.00
50	S	Bromofluorobenzene	10.000	10.033	0.3	132	0.00
51		Bromobenzene	10.000	10.142	1.4	127	0.00
52		n-Propylbenzene	10.000	10.452	4.5	130	0.00
53	P	1,1,2,2-Tetrachloroethane	10.000	12.014	20.1#	145	0.00
54		2-Chlorotoluene	10.000	10.316	3.2	131	0.00
55		1,3,5-Trimethylbenzene	10.000	9.740	-2.6	129	0.00
56		1,2,3-Trichloropropane	10.000	11.403	14.0	131	0.00
57		4-Chlorotoluene	10.000	10.390	3.9	133	0.00
58		tert-Butylbenzene	10.000	10.057	0.6	130	0.00
59		1,2,4-Trimethylbenzene	10.000	9.664	-3.4	127	0.00
60		sec-Butylbenzene	10.000	10.457	4.6	132	0.00
61		p-Isopropyltoluene	10.000	9.873	-1.3	128	0.00
62		1,3-Dichlorobenzene	10.000	10.216	2.2	132	0.00
63		1,4-Dichlorobenzene	10.000	9.834	-1.7	129	0.00
64		n-Butylbenzene	10.000	10.945	9.5	137	0.00
65		1,2-Dichlorobenzene	10.000	10.610	6.1	136	0.00
66		1,2-Dibromo-3-chloropropane	10.000	12.393	23.9#	154	0.00
67		Hexachlorobutadiene	10.000	12.528	25.3#	153	0.00
68		1,2,4-Trichlorobenzene	10.000	10.459	4.6	146	0.00
69		Naphthalene	10.000	10.408	4.1	145	0.00
70		1,2,3-Trichlorobenzene	10.000	11.057	10.6	153	0.00

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

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method: 8260B AAB #:

Lab Name: Life Science Laboratories, Inc. Contract #:

Instrument ID: 5973 MSK (5973K) Initial Calibration ID: 1860

ICV ID: 2SRC-25407 CCV #1 ID: CCV-25437 CCV #2 ID:

SEE ATTACHED

Comments:

AFCEE FORM O-5

Data File : C:\HPCHEM\1\DATA\K2112.D
Acq On : 22 Mar 2013 8:40
Sample : CCV-25437
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 3
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Mar 21 08:46:06 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	132	0.00
2		Dichlorodifluoromethane	0.333	0.380	14.1	145	0.00
3	P	Chloromethane	0.353	0.446	26.3#	167	0.00
4	CP	Vinyl chloride	0.278	0.347	24.8#	158	0.00
5		Bromomethane	0.084	0.105	25.0#	154	0.00
6		Chloroethane	0.192	0.221	15.1	143	-0.03
7		Trichlorofluoromethane	0.349	0.330	-5.4	121	-0.02
8	CPM	1,1-Dichloroethene	0.237	0.236	-0.4	127	0.00
9		Methylene chloride	0.298	0.317	6.4	151	0.00
10		Acetone	0.027	0.029	7.4	141	0.00
11		trans-1,2-Dichloroethene	0.257	0.255	-0.8	126	0.00
12		Methyl tert-Butyl ether	0.484	0.459	-5.2	121	0.00
13	P	1,1-Dichloroethane	0.466	0.487	4.5	134	0.00
14		cis-1,2-Dichloroethene	0.272	0.273	0.4	129	0.00
15		2,2-Dichloropropane	0.366	0.351	-4.1	122	0.00
16		Bromochloromethane	0.085	0.092	8.2	127	0.00
17	CP	Chloroform	0.450	0.427	-5.1	122	0.00
18		Carbon tetrachloride	0.269	0.236	-12.3	112	0.00
19		1,1,1-Trichloroethane	0.360	0.323	-10.3	115	0.00
20		2-Butanone	0.049	0.052	6.1	138	0.00
21		1,1-Dichloropropene	0.370	0.374	1.1	128	0.00
22	M	Benzene	1.103	1.166	5.7	136	0.00
23	S	1,2-Dichloroethane-d4	0.211	0.200	-5.2	120	0.00
24		1,2-Dichloroethane	0.242	0.233	-3.7	123	0.00
25	M	Trichloroethene	0.263	0.255	-3.0	125	0.00
26		Dibromomethane	0.105	0.102	-2.9	122	0.00
27	CP	1,2-Dichloropropane	0.273	0.295	8.1	139	0.00
28		Bromodichloromethane	0.292	0.276	-5.5	120	0.00
29		cis-1,3-Dichloropropene	0.381	0.392	2.9	129	0.00
30	CPM	Toluene	0.652	0.683	4.8	135	0.00
31		4-Methyl-2-pentanone	0.116	0.128	10.3	141	0.00
32		trans-1,3-Dichloropropene	0.286	0.290	1.4	125	0.00
33		1,1,2-Trichloroethane	0.140	0.142	1.4	128	0.00
34	I	Chlorobenzene-d5	1.000	1.000	0.0	131	0.00
35	S	Toluene-d8	2.355	2.288	-2.8	132	0.00
36		Tetrachloroethene	0.508	0.559	10.0	143	0.00
37		Dibromochloromethane	0.374	0.359	-4.0	118	0.00
38		1,3-Dichloropropane	0.712	0.740	3.9	132	0.00
39		1,2-Dibromoethane	0.341	0.352	3.2	127	0.00
40		1-Chlorohexane	0.863	0.898	4.1	131	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2112.D
Acq On : 22 Mar 2013 8:40
Sample : CCV-25437
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 3
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Mar 21 08:46:06 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	1.653	1.671	1.1	131	0.00
42	CP	Ethylbenzene	2.935	3.002	2.3	133	0.00
43		1,1,1,2-Tetrachloroethane	0.464	0.455	-1.9	124	0.00
44		(m+p)-Xylene	1.037	1.055	1.7	134	0.00
45		o-Xylene	1.021	1.051	2.9	137	0.00
46		Styrene	1.600	1.655	3.4	133	0.00
47	P	Bromoform	0.156	0.170	9.0	131	0.00
48	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	143	0.00
49		Isopropylbenzene	4.219	4.233	0.3	132	0.00
50	S	Bromofluorobenzene	0.871	0.918	5.4	147	0.00
51		Bromobenzene	0.960	1.031	7.4	143	0.00
52		n-Propylbenzene	4.896	4.873	-0.5	132	0.00
53	P	1,1,2,2-Tetrachloroethane	0.733	0.767	4.6	134	0.00
54		2-Chlorotoluene	3.558	3.439	-3.3	131	0.00
55		1,3,5-Trimethylbenzene	2.557	2.403	-6.0	133	0.00
56		1,2,3-Trichloropropane	0.171	0.172	0.6	122	0.00
57		4-Chlorotoluene	3.061	2.940	-4.0	131	0.00
58		tert-Butylbenzene	2.534	2.457	-3.0	133	0.00
59		1,2,4-Trimethylbenzene	2.185	2.052	-6.1	131	0.00
60		sec-Butylbenzene	3.676	3.655	-0.6	134	0.00
61		p-Isopropyltoluene	2.420	2.336	-3.5	134	0.00
62		1,3-Dichlorobenzene	1.661	1.718	3.4	142	0.00
63		1,4-Dichlorobenzene	1.591	1.593	0.1	140	0.00
64		n-Butylbenzene	1.903	1.887	-0.8	133	0.00
65		1,2-Dichlorobenzene	1.392	1.479	6.3	145	0.00
66		1,2-Dibromo-3-chloropropane	0.087	0.092	5.7	140	0.00
67		Hexachlorobutadiene	0.258	0.318	23.3#	161	0.00
68		1,2,4-Trichlorobenzene	0.345	0.404	17.1	158	0.00
69		Naphthalene	0.485	0.529	9.1	148	0.00
70		1,2,3-Trichlorobenzene	0.243	0.308	26.7#	165	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\K2112.D Vial: 3
Acq On : 22 Mar 2013 8:40 Operator: MSV
Sample : CCV -25437 Inst : 5973K
Misc : CCV ,8260WAF_40CAL, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Mar 21 08:46:06 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	132	0.00
2		Dichlorodifluoromethane	10.000	11.385	13.8	145	0.00
3	P	Chloromethane	10.000	12.633	26.3#	167	0.00
4	CP	Vinyl chloride	10.000	12.466	24.7#	158	0.00
5		Bromomethane	10.000	11.032	10.3	154	0.00
6		Chloroethane	10.000	11.501	15.0	143	-0.03
7		Trichlorofluoromethane	10.000	9.431	-5.7	121	-0.02
8	CPM	1,1-Dichloroethene	10.000	9.957	-0.4	127	0.00
9		Methylene chloride	10.000	11.780	17.8	151	0.00
10		Acetone	20.000	21.382	6.9	141	0.00
11		trans-1,2-Dichloroethene	10.000	9.934	-0.7	126	0.00
12		Methyl tert-Butyl ether	10.000	9.486	-5.1	121	0.00
13	P	1,1-Dichloroethane	10.000	10.457	4.6	134	0.00
14		cis-1,2-Dichloroethene	10.000	10.048	0.5	129	0.00
15		2,2-Dichloropropane	10.000	9.570	-4.3	122	0.00
16		Bromochloromethane	10.000	10.819	8.2	127	0.00
17	CP	Chloroform	10.000	9.484	-5.2	122	0.00
18		Carbon tetrachloride	10.000	8.755	-12.4	112	0.00
19		1,1,1-Trichloroethane	10.000	8.982	-10.2	115	0.00
20		2-Butanone	20.000	21.275	6.4	138	0.00
21		1,1-Dichloropropene	10.000	10.087	0.9	128	0.00
22	M	Benzene	10.000	10.572	5.7	136	0.00
23	S	1,2-Dichloroethane-d4	10.000	9.251	-7.5	120	0.00
24		1,2-Dichloroethane	10.000	9.596	-4.0	123	0.00
25	M	Trichloroethene	10.000	9.702	-3.0	125	0.00
26		Dibromomethane	10.000	9.745	-2.6	122	0.00
27	CP	1,2-Dichloropropane	10.000	10.832	8.3	139	0.00
28		Bromodichloromethane	10.000	9.475	-5.3	120	0.00
29		cis-1,3-Dichloropropene	10.000	10.287	2.9	129	0.00
30	CPM	Toluene	10.000	10.468	4.7	135	0.00
31		4-Methyl-2-pentanone	20.000	22.158	10.8	141	0.00
32		trans-1,3-Dichloropropene	10.000	10.145	1.4	125	0.00
33		1,1,2-Trichloroethane	10.000	10.111	1.1	128	0.00
34	I	Chlorobenzene-d5	10.000	10.000	0.0	131	0.00
35	S	Toluene-d8	10.000	9.717	-2.8	132	0.00
36		Tetrachloroethene	10.000	11.005	10.1	143	0.00
37		Dibromochloromethane	10.000	9.603	-4.0	118	0.00
38		1,3-Dichloropropane	10.000	10.395	3.9	132	0.00
39		1,2-Dibromoethane	10.000	10.343	3.4	127	0.00
40		1-Chlorohexane	10.000	10.401	4.0	131	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\K2112.D
Acq On : 22 Mar 2013 8:40
Sample : CCV-25437
Misc : CCV ,8260WAF_40CAL,
MS Integration Params: RTEINT.P

Vial: 3
Operator: MSV
Inst : 5973K
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\K122AF4W.M (RTE Integrator)
Title : VOC's w/Restek Rtx-VMS, 0.25mm x 60 m, 1.4df
Last Update : Thu Mar 21 08:46:06 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41	PM	Chlorobenzene	10.000	10.108	1.1	131	0.00
42	CP	Ethylbenzene	10.000	10.228	2.3	133	0.00
43		1,1,1,2-Tetrachloroethane	10.000	9.800	-2.0	124	0.00
44		(m+p)-Xylene	20.000	20.336	1.7	134	0.00
45		o-Xylene	10.000	10.290	2.9	137	0.00
46		Styrene	10.000	10.344	3.4	133	0.00
47	P	Bromoform	10.000	9.647	-3.5	131	0.00
48	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	143	0.00
49		Isopropylbenzene	10.000	10.032	0.3	132	0.00
50	S	Bromofluorobenzene	10.000	10.535	5.4	147	0.00
51		Bromobenzene	10.000	10.740	7.4	143	0.00
52		n-Propylbenzene	10.000	9.953	-0.5	132	0.00
53	P	1,1,2,2-Tetrachloroethane	10.000	10.462	4.6	134	0.00
54		2-Chlorotoluene	10.000	9.667	-3.3	131	0.00
55		1,3,5-Trimethylbenzene	10.000	9.397	-6.0	133	0.00
56		1,2,3-Trichloropropane	10.000	10.041	0.4	122	0.00
57		4-Chlorotoluene	10.000	9.605	-3.9	131	0.00
58		tert-Butylbenzene	10.000	9.696	-3.0	133	0.00
59		1,2,4-Trimethylbenzene	10.000	9.390	-6.1	131	0.00
60		sec-Butylbenzene	10.000	9.942	-0.6	134	0.00
61		p-Isopropyltoluene	10.000	9.654	-3.5	134	0.00
62		1,3-Dichlorobenzene	10.000	10.349	3.5	142	0.00
63		1,4-Dichlorobenzene	10.000	10.013	0.1	140	0.00
64		n-Butylbenzene	10.000	9.917	-0.8	133	0.00
65		1,2-Dichlorobenzene	10.000	10.619	6.2	145	0.00
66		1,2-Dibromo-3-chloropropane	10.000	10.574	5.7	140	0.00
67		Hexachlorobutadiene	10.000	12.322	23.2#	161	0.00
68		1,2,4-Trichlorobenzene	10.000	10.633	6.3	158	0.00
69		Naphthalene	10.000	9.983	-0.2	148	0.00
70		1,2,3-Trichlorobenzene	10.000	11.204	12.0	165	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 1

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25429
Initial Calibration ID:	1860	**File ID:**	K2080.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25429
Initial Calibration ID:	1860	**File ID:**	K2080.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.190	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	114	76 - 119	
Toluene-d8	96	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25429
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25429
Initial Calibration ID:	1860	**File ID:**	K2080.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	320152	141409 - 565636	
Chlorobenzene-d5	714479	272627 - 1090508	
Fluorobenzene	1752115	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25437
Initial Calibration ID:	1860	**File ID:**	K2116.D

Analyte	Method Blank	RL	Q
(m+p)-Xylene	0.200	2.00	U
1,1,1,2-Tetrachloroethane	0.160	0.500	U
1,1,1-Trichloroethane	0.100	1.00	U
1,1,2,2-Tetrachloroethane	0.100	0.500	U
1,1,2-Trichloroethane	0.160	1.00	U
1,1-Dichloroethane	0.100	1.00	U
1,1-Dichloroethene	0.160	1.00	U
1,1-Dichloropropene	0.100	1.00	U
1,2,3-Trichlorobenzene	0.100	1.00	U
1,2,3-Trichloropropane	0.330	2.00	U
1,2,4-Trichlorobenzene	0.100	1.00	U
1,2,4-Trimethylbenzene	0.100	1.00	U
1,2-Dibromo-3-chloropropane	1.00	5.00	U
1,2-Dibromoethane	0.160	1.00	U
1,2-Dichlorobenzene	0.100	1.00	U
1,2-Dichloroethane	0.160	0.500	U
1,2-Dichloropropane	0.160	1.00	U
1,3,5-Trimethylbenzene	0.100	1.00	U
1,3-Dichlorobenzene	0.100	1.00	U
1,3-Dichloropropane	0.100	0.500	U
1,4-Dichlorobenzene	0.160	0.500	U
1-Chlorohexane	0.160	1.00	U
2,2-Dichloropropane	0.330	1.00	U
2-Butanone	1.00	10.0	U
2-Chlorotoluene	0.100	1.00	U
4-Chlorotoluene	0.100	1.00	U
4-Methyl-2-pentanone	1.00	10.0	U
Acetone	1.00	10.0	U
Benzene	0.100	0.500	U
Bromobenzene	0.100	1.00	U
Bromochloromethane	0.100	1.00	U
Bromodichloromethane	0.100	0.500	U
Bromoform	0.330	1.00	U
Bromomethane	0.330	3.00	U
Carbon tetrachloride	0.100	1.00	U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25437
Initial Calibration ID:	1860	**File ID:**	K2116.D

Analyte	Method Blank	RL	Q
Chlorobenzene	0.100	0.500	U
Chloroethane	0.330	1.00	U
Chloroform	0.100	0.500	U
Chloromethane	0.330	1.00	U
cis-1,2-Dichloroethene	0.100	1.00	U
cis-1,3-Dichloropropene	0.160	0.500	U
Dibromochloromethane	0.100	0.500	U
Dibromomethane	0.160	1.00	U
Dichlorodifluoromethane	0.100	1.00	U
Ethylbenzene	0.100	1.00	U
Hexachlorobutadiene	0.100	1.00	U
Isopropylbenzene	0.100	1.00	U
Methyl tert-butyl ether	0.160	5.00	U
Methylene chloride	0.300	1.00	F
n-Butylbenzene	0.100	1.00	U
n-Propylbenzene	0.100	1.00	U
Naphthalene	0.100	1.00	U
o-Xylene	0.100	1.00	U
p-Isopropyltoluene	0.160	1.00	U
sec-Butylbenzene	0.160	1.00	U
Styrene	0.100	1.00	U
tert-Butylbenzene	0.100	1.00	U
Tetrachloroethene	0.100	1.00	U
Toluene	0.100	1.00	U
trans-1,2-Dichloroethene	0.100	1.00	U
trans-1,3-Dichloropropene	0.160	1.00	U
Trichloroethene	0.100	1.00	U
Trichlorofluoromethane	0.100	1.00	U
Vinyl chloride	0.330	1.00	U
Xylenes (total)	0.300	2.00	U

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	91	72 - 119	
4-Bromofluorobenzene	115	76 - 119	
Toluene-d8	99	81 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	SW8260B	**AAB #:**	R25437
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-25437
Initial Calibration ID:	1860	**File ID:**	K2116.D

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	322302	141409 - 565636	
Chlorobenzene-d5	631884	272627 - 1090508	
Fluorobenzene	1588059	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25429 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2077.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	17.4	87	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.18	92	81 - 129	
1,1,1-Trichloroethane	10	8.57	86	67 - 132	
1,1,2,2-Tetrachloroethane	10	11.4	114	63 - 128	
1,1,2-Trichloroethane	10	9.98	100	75 - 125	
1,1-Dichloroethane	10	10.3	103	69 - 133	
1,1-Dichloroethene	10	8.34	83	68 - 130	
1,1-Dichloropropene	10	8.93	89	73 - 132	
1,2,3-Trichlorobenzene	10	10.4	104	67 - 137	
1,2,3-Trichloropropane	10	11.0	110	73 - 124	
1,2,4-Trichlorobenzene	10	9.81	98	66 - 134	
1,2,4-Trimethylbenzene	10	9.96	100	74 - 132	
1,2-Dibromo-3-chloropropane	10	12.3	123	50 - 132	
1,2-Dibromoethane	10	9.14	91	80 - 121	
1,2-Dichlorobenzene	10	10.3	103	71 - 122	
1,2-Dichloroethane	10	9.60	96	69 - 132	
1,2-Dichloropropane	10	10.5	105	75 - 125	
1,3,5-Trimethylbenzene	10	9.66	97	74 - 131	
1,3-Dichlorobenzene	10	9.97	100	75 - 124	
1,3-Dichloropropane	10	9.84	98	73 - 126	
1,4-Dichlorobenzene	10	9.81	98	74 - 123	
1-Chlorohexane	10	9.38	94	70 - 125	
2,2-Dichloropropane	10	9.13	91	69 - 137	
2-Butanone	20	21.0	105	49 - 136	
2-Chlorotoluene	10	10.2	102	73 - 126	
4-Chlorotoluene	10	9.94	99	74 - 128	
4-Methyl-2-pentanone	20	22.0	110	58 - 134	
Acetone	20	21.4	107	40 - 135	
Benzene	10	9.38	94	81 - 122	
Bromobenzene	10	9.97	100	76 - 124	
Bromochloromethane	10	9.32	93	65 - 129	
Bromodichloromethane	10	9.43	94	76 - 121	
Bromoform	10	8.19	82	69 - 128	
Bromomethane	10	9.22	92	30 - 141	
Carbon tetrachloride	10	7.94	79	66 - 138	
Chlorobenzene	10	9.23	92	81 - 122	
Chloroethane	10	9.45	94	58 - 133	
Chloroform	10	9.22	92	69 - 128	
Chloromethane	10	9.60	96	56 - 131	
cis-1,2-Dichloroethene	10	9.28	93	72 - 126	
cis-1,3-Dichloropropene	10	9.67	97	69 - 131	
Dibromochloromethane	10	8.67	87	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25429 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2077.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.04	90	76 - 125	
Dichlorodifluoromethane	10	8.96	90	30 - 153	
Ethylbenzene	10	9.16	92	73 - 127	
Hexachlorobutadiene	10	11.8	118	67 - 131	
Isopropylbenzene	10	11.4	114	75 - 127	
Methyl tert-butyl ether	10	9.51	95	65 - 123	
Methylene chloride	10	9.13	91	63 - 137	
n-Butylbenzene	10	10.7	107	69 - 137	
n-Propylbenzene	10	10.4	104	72 - 129	
Naphthalene	10	9.81	98	54 - 138	
o-Xylene	10	8.86	89	80 - 121	
p-Isopropyltoluene	10	10.1	101	73 - 130	
sec-Butylbenzene	10	10.2	102	72 - 127	
Styrene	10	8.80	88	65 - 134	
tert-Butylbenzene	10	9.99	100	70 - 129	
Tetrachloroethene	10	8.25	82	66 - 128	
Toluene	10	9.49	95	77 - 122	
trans-1,2-Dichloroethene	10	8.50	85	63 - 137	
trans-1,3-Dichloropropene	10	9.94	99	59 - 135	
Trichloroethene	10	8.75	88	70 - 127	
Trichlorofluoromethane	10	8.85	88	57 - 129	
Vinyl chloride	10	10.9	109	50 - 134	
Xylenes (total)	30	26.3	88	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	102	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	396635	141409 - 565636	
Chlorobenzene-d5	810688	272627 - 1090508	
Fluorobenzene	1955329	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25429 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2078.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	17.4	87	76 - 128	
1,1,1,2-Tetrachloroethane	10	9.22	92	81 - 129	
1,1,1-Trichloroethane	10	8.58	86	67 - 132	
1,1,2,2-Tetrachloroethane	10	11.5	115	63 - 128	
1,1,2-Trichloroethane	10	10.3	103	75 - 125	
1,1-Dichloroethane	10	10.2	102	69 - 133	
1,1-Dichloroethene	10	8.17	82	68 - 130	
1,1-Dichloropropene	10	8.97	90	73 - 132	
1,2,3-Trichlorobenzene	10	10.9	109	67 - 137	
1,2,3-Trichloropropane	10	11.2	112	73 - 124	
1,2,4-Trichlorobenzene	10	10.0	100	66 - 134	
1,2,4-Trimethylbenzene	10	9.86	99	74 - 132	
1,2-Dibromo-3-chloropropane	10	12.2	122	50 - 132	
1,2-Dibromoethane	10	9.20	92	80 - 121	
1,2-Dichlorobenzene	10	10.4	104	71 - 122	
1,2-Dichloroethane	10	9.65	97	69 - 132	
1,2-Dichloropropane	10	10.5	105	75 - 125	
1,3,5-Trimethylbenzene	10	9.44	94	74 - 131	
1,3-Dichlorobenzene	10	9.84	98	75 - 124	
1,3-Dichloropropane	10	10.1	101	73 - 126	
1,4-Dichlorobenzene	10	9.85	98	74 - 123	
1-Chlorohexane	10	9.43	94	70 - 125	
2,2-Dichloropropane	10	9.06	91	69 - 137	
2-Butanone	20	21.7	108	49 - 136	
2-Chlorotoluene	10	10.0	100	73 - 126	
4-Chlorotoluene	10	9.76	98	74 - 128	
4-Methyl-2-pentanone	20	23.4	117	58 - 134	
Acetone	20	20.2	101	40 - 135	
Benzene	10	9.48	95	81 - 122	
Bromobenzene	10	9.87	99	76 - 124	
Bromochloromethane	10	9.16	92	65 - 129	
Bromodichloromethane	10	9.53	95	76 - 121	
Bromoform	10	8.39	84	69 - 128	
Bromomethane	10	9.11	91	30 - 141	
Carbon tetrachloride	10	8.03	80	66 - 138	
Chlorobenzene	10	9.30	93	81 - 122	
Chloroethane	10	9.35	94	58 - 133	
Chloroform	10	9.16	92	69 - 128	
Chloromethane	10	9.81	98	56 - 131	
cis-1,2-Dichloroethene	10	9.08	91	72 - 126	
cis-1,3-Dichloropropene	10	9.75	98	69 - 131	
Dibromochloromethane	10	8.76	88	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25429 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2078.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.21	92	76 - 125	
Dichlorodifluoromethane	10	8.84	88	30 - 153	
Ethylbenzene	10	9.18	92	73 - 127	
Hexachlorobutadiene	10	11.6	116	67 - 131	
Isopropylbenzene	10	11.1	111	75 - 127	
Methyl tert-butyl ether	10	9.73	97	65 - 123	
Methylene chloride	10	9.08	91	63 - 137	
n-Butylbenzene	10	10.6	106	69 - 137	
n-Propylbenzene	10	10.2	102	72 - 129	
Naphthalene	10	10.5	105	54 - 138	
o-Xylene	10	8.88	89	80 - 121	
p-Isopropyltoluene	10	9.79	98	73 - 130	
sec-Butylbenzene	10	9.96	100	72 - 127	
Styrene	10	8.81	88	65 - 134	
tert-Butylbenzene	10	9.70	97	70 - 129	
Tetrachloroethene	10	8.33	83	66 - 128	
Toluene	10	9.62	96	77 - 122	
trans-1,2-Dichloroethene	10	8.31	83	63 - 137	
trans-1,3-Dichloropropene	10	10.1	101	59 - 135	
Trichloroethene	10	8.80	88	70 - 127	
Trichlorofluoromethane	10	8.69	87	57 - 129	
Vinyl chloride	10	10.8	108	50 - 134	
Xylenes (total)	30	26.3	88	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	101	72 - 119	
4-Bromofluorobenzene	104	76 - 119	
Toluene-d8	93	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	419264	141409 - 565636	
Chlorobenzene-d5	835786	272627 - 1090508	
Fluorobenzene	1994164	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25437 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2113.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.6	103	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.1	101	81 - 129	
1,1,1-Trichloroethane	10	8.86	89	67 - 132	
1,1,2,2-Tetrachloroethane	10	10.0	100	63 - 128	
1,1,2-Trichloroethane	10	10.0	100	75 - 125	
1,1-Dichloroethane	10	10.6	106	69 - 133	
1,1-Dichloroethene	10	10.1	101	68 - 130	
1,1-Dichloropropene	10	10.2	102	73 - 132	
1,2,3-Trichlorobenzene	10	10.9	109	67 - 137	
1,2,3-Trichloropropane	10	9.80	98	73 - 124	
1,2,4-Trichlorobenzene	10	10.5	105	66 - 134	
1,2,4-Trimethylbenzene	10	9.96	100	74 - 132	
1,2-Dibromo-3-chloropropane	10	10.3	103	50 - 132	
1,2-Dibromoethane	10	10.1	101	80 - 121	
1,2-Dichlorobenzene	10	10.6	106	71 - 122	
1,2-Dichloroethane	10	9.47	95	69 - 132	
1,2-Dichloropropane	10	10.7	107	75 - 125	
1,3,5-Trimethylbenzene	10	9.54	95	74 - 131	
1,3-Dichlorobenzene	10	10.4	104	75 - 124	
1,3-Dichloropropane	10	10.3	103	73 - 126	
1,4-Dichlorobenzene	10	10.2	102	74 - 123	
1-Chlorohexane	10	10.8	108	70 - 125	
2,2-Dichloropropane	10	9.58	96	69 - 137	
2-Butanone	20	19.7	98	49 - 136	
2-Chlorotoluene	10	9.70	97	73 - 126	
4-Chlorotoluene	10	9.62	96	74 - 128	
4-Methyl-2-pentanone	20	20.3	101	58 - 134	
Acetone	20	20.7	103	40 - 135	
Benzene	10	10.4	104	81 - 122	
Bromobenzene	10	10.2	103	76 - 124	
Bromochloromethane	10	10.9	109	65 - 129	
Bromodichloromethane	10	9.33	93	76 - 121	
Bromoform	10	9.39	94	69 - 128	
Bromomethane	10	11.2	112	30 - 141	
Carbon tetrachloride	10	8.82	88	66 - 138	
Chlorobenzene	10	10.5	105	81 - 122	
Chloroethane	10	10.8	108	58 - 133	
Chloroform	10	9.45	94	69 - 128	
Chloromethane	10	11.4	114	56 - 131	
cis-1,2-Dichloroethene	10	10.2	102	72 - 126	
cis-1,3-Dichloropropene	10	10.2	102	69 - 131	
Dibromochloromethane	10	9.51	95	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25437 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2113.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.63	96	76 - 125	
Dichlorodifluoromethane	10	9.48	95	30 - 153	
Ethylbenzene	10	10.3	103	73 - 127	
Hexachlorobutadiene	10	13.2	132	67 - 131	*
Isopropylbenzene	10	11.1	111	75 - 127	
Methyl tert-butyl ether	10	9.36	94	65 - 123	
Methylene chloride	10	10.4	104	63 - 137	
n-Butylbenzene	10	10.4	104	69 - 137	
n-Propylbenzene	10	10.2	102	72 - 129	
Naphthalene	10	9.60	96	54 - 138	
o-Xylene	10	10.3	103	80 - 121	
p-Isopropyltoluene	10	9.99	100	73 - 130	
sec-Butylbenzene	10	9.96	100	72 - 127	
Styrene	10	10.3	103	65 - 134	
tert-Butylbenzene	10	9.76	98	70 - 129	
Tetrachloroethene	10	11.1	111	66 - 128	
Toluene	10	10.6	106	77 - 122	
trans-1,2-Dichloroethene	10	10.4	104	63 - 137	
trans-1,3-Dichloropropene	10	10.1	101	59 - 135	
Trichloroethene	10	9.79	98	70 - 127	
Trichlorofluoromethane	10	9.40	94	57 - 129	
Vinyl chloride	10	11.8	118	50 - 134	
Xylenes (total)	30	30.9	103	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	93	72 - 119	
4-Bromofluorobenzene	106	76 - 119	
Toluene-d8	97	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	407598	141409 - 565636	
Chlorobenzene-d5	718704	272627 - 1090508	
Fluorobenzene	1794568	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25437 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2114.D

Analyte	Expected	Found	%R	Control Limits	Q
(m+p)-Xylene	20	20.7	103	76 - 128	
1,1,1,2-Tetrachloroethane	10	10.3	103	81 - 129	
1,1,1-Trichloroethane	10	8.81	88	67 - 132	
1,1,2,2-Tetrachloroethane	10	10.3	103	63 - 128	
1,1,2-Trichloroethane	10	10.2	102	75 - 125	
1,1-Dichloroethane	10	10.6	106	69 - 133	
1,1-Dichloroethene	10	9.98	100	68 - 130	
1,1-Dichloropropene	10	10.0	101	73 - 132	
1,2,3-Trichlorobenzene	10	11.9	119	67 - 137	
1,2,3-Trichloropropane	10	10.2	102	73 - 124	
1,2,4-Trichlorobenzene	10	11.1	111	66 - 134	
1,2,4-Trimethylbenzene	10	9.87	99	74 - 132	
1,2-Dibromo-3-chloropropane	10	10.6	106	50 - 132	
1,2-Dibromoethane	10	10.4	104	80 - 121	
1,2-Dichlorobenzene	10	10.8	108	71 - 122	
1,2-Dichloroethane	10	9.53	95	69 - 132	
1,2-Dichloropropane	10	10.8	108	75 - 125	
1,3,5-Trimethylbenzene	10	9.57	96	74 - 131	
1,3-Dichlorobenzene	10	10.5	105	75 - 124	
1,3-Dichloropropane	10	10.5	105	73 - 126	
1,4-Dichlorobenzene	10	10.3	103	74 - 123	
1-Chlorohexane	10	10.8	108	70 - 125	
2,2-Dichloropropane	10	9.44	94	69 - 137	
2-Butanone	20	20.2	101	49 - 136	
2-Chlorotoluene	10	9.72	97	73 - 126	
4-Chlorotoluene	10	9.59	96	74 - 128	
4-Methyl-2-pentanone	20	21.2	106	58 - 134	
Acetone	20	21.0	105	40 - 135	
Benzene	10	10.5	105	81 - 122	
Bromobenzene	10	10.3	103	76 - 124	
Bromochloromethane	10	10.8	108	65 - 129	
Bromodichloromethane	10	9.37	94	76 - 121	
Bromoform	10	9.61	96	69 - 128	
Bromomethane	10	10.4	104	30 - 141	
Carbon tetrachloride	10	8.78	88	66 - 138	
Chlorobenzene	10	10.5	105	81 - 122	
Chloroethane	10	10.5	105	58 - 133	
Chloroform	10	9.26	93	69 - 128	
Chloromethane	10	11.6	116	56 - 131	
cis-1,2-Dichloroethene	10	10.1	101	72 - 126	
cis-1,3-Dichloropropene	10	10.2	102	69 - 131	
Dibromochloromethane	10	9.54	95	66 - 133	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25437 **Initial Calibration ID:** 1860

Concentration Units (mg/L or mg/kg): µg/L **File ID:** K2114.D

Analyte	Expected	Found	%R	Control Limits	Q
Dibromomethane	10	9.64	96	76 - 125	
Dichlorodifluoromethane	10	9.37	94	30 - 153	
Ethylbenzene	10	10.3	103	73 - 127	
Hexachlorobutadiene	10	12.9	129	67 - 131	
Isopropylbenzene	10	11.0	110	75 - 127	
Methyl tert-butyl ether	10	9.56	96	65 - 123	
Methylene chloride	10	10.4	104	63 - 137	
n-Butylbenzene	10	10.4	104	69 - 137	
n-Propylbenzene	10	10.1	101	72 - 129	
Naphthalene	10	10.8	108	54 - 138	
o-Xylene	10	10.3	103	80 - 121	
p-Isopropyltoluene	10	10.0	100	73 - 130	
sec-Butylbenzene	10	9.93	99	72 - 127	
Styrene	10	10.3	103	65 - 134	
tert-Butylbenzene	10	9.80	98	70 - 129	
Tetrachloroethene	10	11.1	111	66 - 128	
Toluene	10	10.6	106	77 - 122	
trans-1,2-Dichloroethene	10	10.2	102	63 - 137	
trans-1,3-Dichloropropene	10	10.2	102	59 - 135	
Trichloroethene	10	9.70	97	70 - 127	
Trichlorofluoromethane	10	9.25	92	57 - 129	
Vinyl chloride	10	11.6	116	50 - 134	
Xylenes (total)	30	31.0	103	80 - 121	

Surrogate	Recovery	Control Limits	Qualifier
1,2-Dichloroethane-d4	91	72 - 119	
4-Bromofluorobenzene	107	76 - 119	
Toluene-d8	98	81 - 120	

Internal Std	Area Counts	Area Count Limits	Qualifier
1,4-Dichlorobenzene-d4	413504	141409 - 565636	
Chlorobenzene-d5	725448	272627 - 1090508	
Fluorobenzene	1803899	676354 - 2705416	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25429 **MS ID:** LCS-25429 **MSD ID:** LCSD-25429

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	17.4	87	17.4	87	0	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	9.18	92	9.22	92	0	81 - 129	20	
1,1,1-Trichloroethane		10.0	8.57	86	8.58	86	0	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	11.4	114	11.5	115	1	63 - 128	20	
1,1,2-Trichloroethane		10.0	9.98	100	10.3	103	3	75 - 125	20	
1,1-Dichloroethane		10.0	10.3	103	10.2	102	2	69 - 133	20	
1,1-Dichloroethene		10.0	8.34	83	8.17	82	2	68 - 130	20	
1,1-Dichloropropene		10.0	8.93	89	8.97	90	0	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	10.4	104	10.9	109	5	67 - 137	20	
1,2,3-Trichloropropane		10.0	11.0	110	11.2	112	2	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	9.81	98	10.0	100	2	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	9.96	100	9.86	99	1	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	12.3	123	12.2	122	0	50 - 132	20	
1,2-Dibromoethane		10.0	9.14	91	9.20	92	1	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.3	103	10.4	104	1	71 - 122	20	
1,2-Dichloroethane		10.0	9.60	96	9.65	97	1	69 - 132	20	
1,2-Dichloropropane		10.0	10.5	105	10.5	105	1	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.66	97	9.44	94	2	74 - 131	20	
1,3-Dichlorobenzene		10.0	9.97	100	9.84	98	1	75 - 124	20	
1,3-Dichloropropane		10.0	9.84	98	10.1	101	3	73 - 126	20	
1,4-Dichlorobenzene		10.0	9.81	98	9.85	98	0	74 - 123	20	
1-Chlorohexane		10.0	9.38	94	9.43	94	1	70 - 125	20	
2,2-Dichloropropane		10.0	9.13	91	9.06	91	1	69 - 137	20	
2-Butanone		20.0	21.0	105	21.7	108	3	49 - 136	20	
2-Chlorotoluene		10.0	10.2	102	10.0	100	2	73 - 126	20	
4-Chlorotoluene		10.0	9.94	99	9.76	98	2	74 - 128	20	
4-Methyl-2-pentanone		20.0	22.0	110	23.4	117	6	58 - 134	20	
Acetone		20.0	21.4	107	20.2	101	5	40 - 135	20	
Benzene		10.0	9.38	94	9.48	95	1	81 - 122	20	
Bromobenzene		10.0	9.97	100	9.87	99	1	76 - 124	20	
Bromochloromethane		10.0	9.32	93	9.16	92	2	65 - 129	20	
Bromodichloromethane		10.0	9.43	94	9.53	95	1	76 - 121	20	
Bromoform		10.0	8.19	82	8.39	84	2	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25429 **MS ID:** LCS-25429 **MSD ID:** LCSD-25429

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	9.22	92	9.11	91	1	30 - 141	20	
Carbon tetrachloride		10.0	7.94	79	8.03	80	1	66 - 138	20	
Chlorobenzene		10.0	9.23	92	9.30	93	1	81 - 122	20	
Chloroethane		10.0	9.45	94	9.35	94	1	58 - 133	20	
Chloroform		10.0	9.22	92	9.16	92	1	69 - 128	20	
Chloromethane		10.0	9.60	96	9.81	98	2	56 - 131	20	
cis-1,2-Dichloroethene		10.0	9.28	93	9.08	91	2	72 - 126	20	
cis-1,3-Dichloropropene		10.0	9.67	97	9.75	98	1	69 - 131	20	
Dibromochloromethane		10.0	8.67	87	8.76	88	1	66 - 133	20	
Dibromomethane		10.0	9.04	90	9.21	92	2	76 - 125	20	
Dichlorodifluoromethane		10.0	8.96	90	8.84	88	1	30 - 153	20	
Ethylbenzene		10.0	9.16	92	9.18	92	0	73 - 127	20	
Hexachlorobutadiene		10.0	11.8	118	11.6	116	2	67 - 131	20	
Isopropylbenzene		10.0	11.4	114	11.1	111	2	75 - 127	20	
Methyl tert-butyl ether		10.0	9.51	95	9.73	97	2	65 - 123	20	
Methylene chloride		10.0	9.13	91	9.08	91	1	63 - 137	20	
n-Butylbenzene		10.0	10.7	107	10.6	106	1	69 - 137	20	
n-Propylbenzene		10.0	10.4	104	10.2	102	2	72 - 129	20	
Naphthalene		10.0	9.81	98	10.5	105	7	54 - 138	20	
o-Xylene		10.0	8.86	89	8.88	89	0	80 - 121	20	
p-Isopropyltoluene		10.0	10.1	101	9.79	98	3	73 - 130	20	
sec-Butylbenzene		10.0	10.2	102	9.96	100	2	72 - 127	20	
Styrene		10.0	8.80	88	8.81	88	0	65 - 134	20	
tert-Butylbenzene		10.0	9.99	100	9.70	97	3	70 - 129	20	
Tetrachloroethene		10.0	8.25	82	8.33	83	1	66 - 128	20	
Toluene		10.0	9.49	95	9.62	96	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	8.50	85	8.31	83	2	63 - 137	20	
trans-1,3-Dichloropropene		10.0	9.94	99	10.1	101	1	59 - 135	20	
Trichloroethene		10.0	8.75	88	8.80	88	1	70 - 127	20	
Trichlorofluoromethane		10.0	8.85	88	8.69	87	2	57 - 129	20	
Vinyl chloride		10.0	10.9	109	10.8	108	1	50 - 134	20	
Xylenes (total)		30.0	26.3	88	26.3	88	0	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25437 **MS ID:** LCS-25437 **MSD ID:** LCSD-25437

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
(m+p)-Xylene		20.0	20.6	103	20.7	103	0	76 - 128	20	
1,1,1,2-Tetrachloroethane		10.0	10.1	101	10.3	103	1	81 - 129	20	
1,1,1-Trichloroethane		10.0	8.86	89	8.81	88	1	67 - 132	20	
1,1,2,2-Tetrachloroethane		10.0	10.0	100	10.3	103	3	63 - 128	20	
1,1,2-Trichloroethane		10.0	10.0	100	10.2	102	2	75 - 125	20	
1,1-Dichloroethane		10.0	10.6	106	10.6	106	1	69 - 133	20	
1,1-Dichloroethene		10.0	10.1	101	9.98	100	1	68 - 130	20	
1,1-Dichloropropene		10.0	10.2	102	10.0	101	1	73 - 132	20	
1,2,3-Trichlorobenzene		10.0	10.9	109	11.9	119	9	67 - 137	20	
1,2,3-Trichloropropane		10.0	9.80	98	10.2	102	4	73 - 124	20	
1,2,4-Trichlorobenzene		10.0	10.5	105	11.1	111	6	66 - 134	20	
1,2,4-Trimethylbenzene		10.0	9.96	100	9.87	99	1	74 - 132	20	
1,2-Dibromo-3-chloropropane		10.0	10.3	103	10.6	106	3	50 - 132	20	
1,2-Dibromoethane		10.0	10.1	101	10.4	104	2	80 - 121	20	
1,2-Dichlorobenzene		10.0	10.6	106	10.8	108	2	71 - 122	20	
1,2-Dichloroethane		10.0	9.47	95	9.53	95	1	69 - 132	20	
1,2-Dichloropropane		10.0	10.7	107	10.8	108	1	75 - 125	20	
1,3,5-Trimethylbenzene		10.0	9.54	95	9.57	96	0	74 - 131	20	
1,3-Dichlorobenzene		10.0	10.4	104	10.5	105	0	75 - 124	20	
1,3-Dichloropropane		10.0	10.3	103	10.5	105	2	73 - 126	20	
1,4-Dichlorobenzene		10.0	10.2	102	10.3	103	0	74 - 123	20	
1-Chlorohexane		10.0	10.8	108	10.8	108	0	70 - 125	20	
2,2-Dichloropropane		10.0	9.58	96	9.44	94	1	69 - 137	20	
2-Butanone		20.0	19.7	98	20.2	101	3	49 - 136	20	
2-Chlorotoluene		10.0	9.70	97	9.72	97	0	73 - 126	20	
4-Chlorotoluene		10.0	9.62	96	9.59	96	0	74 - 128	20	
4-Methyl-2-pentanone		20.0	20.3	101	21.2	106	5	58 - 134	20	
Acetone		20.0	20.7	103	21.0	105	2	40 - 135	20	
Benzene		10.0	10.4	104	10.5	105	1	81 - 122	20	
Bromobenzene		10.0	10.2	103	10.3	103	1	76 - 124	20	
Bromochloromethane		10.0	10.9	109	10.8	108	1	65 - 129	20	
Bromodichloromethane		10.0	9.33	93	9.37	94	0	76 - 121	20	
Bromoform		10.0	9.39	94	9.61	96	2	69 - 128	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-25437 **MS ID:** LCS-25437 **MSD ID:** LCSD-25437

Calibration ID: 1860

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Bromomethane		10.0	11.2	112	10.4	104	8	30 - 141	20	
Carbon tetrachloride		10.0	8.82	88	8.78	88	0	66 - 138	20	
Chlorobenzene		10.0	10.5	105	10.5	105	0	81 - 122	20	
Chloroethane		10.0	10.8	108	10.5	105	3	58 - 133	20	
Chloroform		10.0	9.45	94	9.26	93	2	69 - 128	20	
Chloromethane		10.0	11.4	114	11.6	116	2	56 - 131	20	
cis-1,2-Dichloroethene		10.0	10.2	102	10.1	101	1	72 - 126	20	
cis-1,3-Dichloropropene		10.0	10.2	102	10.2	102	0	69 - 131	20	
Dibromochloromethane		10.0	9.51	95	9.54	95	0	66 - 133	20	
Dibromomethane		10.0	9.63	96	9.64	96	0	76 - 125	20	
Dichlorodifluoromethane		10.0	9.48	95	9.37	94	1	30 - 153	20	
Ethylbenzene		10.0	10.3	103	10.3	103	0	73 - 127	20	
Hexachlorobutadiene		10.0	13.2	132	12.9	129	2	67 - 131	20	
Isopropylbenzene		10.0	11.1	111	11.0	110	0	75 - 127	20	
Methyl tert-butyl ether		10.0	9.36	94	9.56	96	2	65 - 123	20	
Methylene chloride		10.0	10.4	104	10.4	104	0	63 - 137	20	
n-Butylbenzene		10.0	10.4	104	10.4	104	0	69 - 137	20	
n-Propylbenzene		10.0	10.2	102	10.1	101	1	72 - 129	20	
Naphthalene		10.0	9.60	96	10.8	108	12	54 - 138	20	
o-Xylene		10.0	10.3	103	10.3	103	0	80 - 121	20	
p-Isopropyltoluene		10.0	9.99	100	10.0	100	0	73 - 130	20	
sec-Butylbenzene		10.0	9.96	100	9.93	99	0	72 - 127	20	
Styrene		10.0	10.3	103	10.3	103	0	65 - 134	20	
tert-Butylbenzene		10.0	9.76	98	9.80	98	0	70 - 129	20	
Tetrachloroethene		10.0	11.1	111	11.1	111	0	66 - 128	20	
Toluene		10.0	10.6	106	10.6	106	1	77 - 122	20	
trans-1,2-Dichloroethene		10.0	10.4	104	10.2	102	2	63 - 137	20	
trans-1,3-Dichloropropene		10.0	10.1	101	10.2	102	0	59 - 135	20	
Trichloroethene		10.0	9.79	98	9.70	97	1	70 - 127	20	
Trichlorofluoromethane		10.0	9.40	94	9.25	92	2	57 - 129	20	
Vinyl chloride		10.0	11.8	118	11.6	116	2	50 - 134	20	
Xylenes (total)		30.0	30.9	103	31.0	103	0	80 - 121	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R25429

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LF6M1645LA	K1303206-001B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4	
LF6M1750LA	K1303206-002B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4	
LF6M1750LC	K1303206-003B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4	
LF6M2046LA	K1303206-004B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4.1	
LF6VM2650LA	K1303206-005B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	3.9	
LF6M3145LA	K1303206-006B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	3.9	
031513LE	K1303206-007B	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	3.9	
031513LF	K1303206-008A	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4	
031513LR	K1303206-009A	15-Mar-13	18-Mar-13	19-Mar-13			19-Mar-13	14	4.2	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: SW8260B **AAB #:** R25437

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LF6VM13R31LA	K1303232-001B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4.1	
LF6VM13RD35LA	K1303232-002B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4.1	
LF6T3306LA	K1303232-003B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4	
LF6T3406LA	K1303232-004B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4	
LF6T3506LA	K1303232-005B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4.1	
LF6T3606LA	K1303232-006B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4	
LF6T3807LA	K1303232-007B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	3.9	
LF6M3920LA	K1303232-008B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4.1	
LF6SW01PM01LA	K1303232-009B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4.2	
031813LE	K1303232-010B	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4	
031813LF	K1303232-011A	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4.1	
031813LR	K1303232-012A	18-Mar-13	20-Mar-13	22-Mar-13			22-Mar-13	14	4.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1860

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
TB130122AK	TB130122AK	22-Jan-13	6:45	22-Jan-13	8:05
MDLV/ICAL 0.2	MDLV/ICAL 0.25 ppb	22-Jan-13	8:05	22-Jan-13	8:35
MDLV/ICAL 0.5	MDLV/ICAL 0.50 ppb	22-Jan-13	8:35	22-Jan-13	9:05
MDLV/ICAL 1.0	MDLV/ICAL 1.0 ppb	22-Jan-13	9:05	22-Jan-13	9:35
MDLV/ICAL 2.0	MDLV/ICAL 2.0 ppb	22-Jan-13	9:35	22-Jan-13	10:05
ICAL 10 ppb	ICAL 10 ppb	22-Jan-13	10:05	22-Jan-13	11:05
ICAL 20 ppb	ICAL 20 ppb	22-Jan-13	11:05	22-Jan-13	11:56
ICAL 30 ppb	ICAL 30 ppb	22-Jan-13	11:56	22-Jan-13	12:26
ICAL 40 ppb	ICAL 40 ppb	22-Jan-13	12:26	22-Jan-13	13:26
ICAL 60 ppb	ICAL 60 ppb	22-Jan-13	13:26	22-Jan-13	14:26
ICAL 80 ppb	ICAL 80 ppb	22-Jan-13	14:26	22-Jan-13	14:56
2SRC-25407	2SRC-25407	14-Mar-13	7:27	14-Mar-13	7:57
TB130319AK	TB130319AK	19-Mar-13	8:14	19-Mar-13	8:54
CCV-25429	CCV-25429	19-Mar-13	8:14	19-Mar-13	8:54
LCS-25429	LCS-25429	19-Mar-13	8:54	19-Mar-13	9:25
LCSD-25429	LCSD-25429	19-Mar-13	9:25	19-Mar-13	10:27
MB-25429	MB-25429	19-Mar-13	10:27	19-Mar-13	11:07
LF6M3145LA	K1303206-006B	19-Mar-13	11:07	19-Mar-13	11:38
LF6M1645LA	K1303206-001B	19-Mar-13	11:38	19-Mar-13	12:09
LF6M1750LA	K1303206-002B	19-Mar-13	12:09	19-Mar-13	12:40
LF6M1750LC	K1303206-003B	19-Mar-13	12:40	19-Mar-13	13:11
LF6M2046LA	K1303206-004B	19-Mar-13	13:11	19-Mar-13	13:42
LF6VM2650LA	K1303206-005B	19-Mar-13	13:42	19-Mar-13	14:13
031513LE	K1303206-007B	19-Mar-13	14:13	19-Mar-13	14:44
031513LF	K1303206-008A	19-Mar-13	14:44	19-Mar-13	15:15
031513LR	K1303206-009A	19-Mar-13	15:15	19-Mar-13	15:45
TB130322AK	TB130322AK	22-Mar-13	8:40	22-Mar-13	9:17
CCV-25437	CCV-25437	22-Mar-13	8:40	22-Mar-13	9:17
LCS-25437	LCS-25437	22-Mar-13	9:17	22-Mar-13	9:48
LCSD-25437	LCSD-25437	22-Mar-13	9:48	22-Mar-13	11:21
MB-25437	MB-25437	22-Mar-13	11:21	22-Mar-13	11:52
LF6T3807LA	K1303232-007B	22-Mar-13	11:52	22-Mar-13	12:23
LF6T3306LA	K1303232-003B	22-Mar-13	12:23	22-Mar-13	12:54
LF6T3406LA	K1303232-004B	22-Mar-13	12:54	22-Mar-13	13:25
LF6T3606LA	K1303232-006B	22-Mar-13	13:25	22-Mar-13	13:56

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW8260B **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: MSK_75 **Calibration ID:** 1860

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
LF6VM13R31LA	K1303232-001B	22-Mar-13	13:56	22-Mar-13	14:27
LF6VM13RD35LA	K1303232-002B	22-Mar-13	14:27	22-Mar-13	14:58
LF6T3506LA	K1303232-005B	22-Mar-13	14:58	22-Mar-13	15:29
LF6M3920LA	K1303232-008B	22-Mar-13	15:29	22-Mar-13	16:00
LF6SW01PM01LA	K1303232-009B	22-Mar-13	16:00	22-Mar-13	16:31
031813LE	K1303232-010B	22-Mar-13	16:31	22-Mar-13	17:02
031813LF	K1303232-011A	22-Mar-13	17:02	22-Mar-13	17:33
031813LR	K1303232-012A	22-Mar-13	17:33	22-Mar-13	18:03

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130122A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	1/22/2013 6:45:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K1735.D
Compound:	SW8260B	**Sample ID:**	TB130122AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	17.5	
75	30 - 60% of m/z 95	45.5	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	62.1	
175	5 - 9% of m/z 174	7.3	
176	Greater than 95% but less than 101% of m/z 174	96.6	
177	5 - 9% of m/z 176	6.5	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130319B
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	3/19/2013 8:14:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K2076.D
Compound:	SW8260B	**Sample ID:**	TB130319AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	21.8	
75	30 - 60% of m/z 95	50.7	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.7	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	58.9	
175	5 - 9% of m/z 174	7.6	
176	Greater than 95% but less than 101% of m/z 174	96.4	
177	5 - 9% of m/z 176	6.9	

AFCEE
ORGANIC ANALYSES DATA SHEET 12
INSTRUMENT PERFORMANCE CHECK
(BFB or DFTPP)

Analytical Method:	SW8260B	**AAB #:**	MSK_75_130322A
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	MSK_75	**Injection Date/Time:**	3/22/2013 8:40:00 AM
Initial Calibration ID:	1860	**File ID:**	C:\HPCHEM\1\DATA\K2112.D
Compound:	SW8260B	**Sample ID:**	TB130322AK

Mass	Ion Abundance Criteria	% Relative Abundance	Q
50	15 - 40% of m/z 95	19.2	
75	30 - 60% of m/z 95	46.2	
95	Base peak, 100% relative abundance	100	
96	5 - 9% of m/z 95	6.8	
173	Less than 2% of m/z 174	0	
174	Greater than 50% of m/z 95	68.5	
175	5 - 9% of m/z 174	7.6	
176	Greater than 95% but less than 101% of m/z 174	96.7	
177	5 - 9% of m/z 176	6.9	

Dissolved Gases Data

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16783

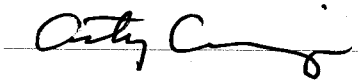
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645LA	K1303206-001B
LF6M1750LA	K1303206-002B
LF6M2046LA	K1303206-004B
LF6VM2650LA	K1303206-005B
LF6M3145LA	K1303206-006B
031513LE	K1303206-007B
LF6VM13R31LA	K1303232-001B
LF6VM13RD35LA	K1303232-002B
LF6T3306LA	K1303232-003B
LF6T3406LA	K1303232-004B
LF6T3506LA	K1303232-005B

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA PACKAGE

Analytical Method: RSK 175 **AAB #:** 16789

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1750LC	K1303206-003B
LF6T3606LA	K1303232-006B
LF6T3807LA	K1303232-007B
LF6M3920LA	K1303232-008B
LF6SW01PM01LA	K1303232-009B
031813LE	K1303232-010B

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032517.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.47 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	190	410	190	200		**U**
Ethene	140	340	140	200		**U**
Methane	96	340	7300	200		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032519.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.27 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	4.8	10	4.8	5		U
Ethene	3.6	8.6	3.6	5		U
Methane	2.4	8.6	72	5		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032605.rst
Date Received:	18-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	36.93 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	1.9	4.2	1.9	2		**U**
Ethene	1.5	3.5	1.5	2		**UQ**
Methane	0.97	3.5	45	2		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032522.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.43 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	190	410	190	200		**U**
Ethene	140	340	140	200		**U**
Methane	96	340	7600	200		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032525.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.72 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.48	1.7	0.74	1		F

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032526.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.37 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.96	2.1	0.96	1		**U**
Ethene	0.72	1.7	0.72	1		**U**
Methane	0.48	1.7	5.9	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032527.rst
Date Received:	18-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	38.05 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.94	2.0	0.94	1		U
Ethene	0.71	1.7	0.71	1		U
Methane	0.47	1.7	0.47	1		U

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032528.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.71 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		**U**
Ethene	0.71	1.7	0.71	1		**U**
Methane	0.48	1.7	0.81	1		**F**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032529.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.09 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.97	2.1	0.97	1		U
Ethene	0.72	1.7	0.72	1		U
Methane	0.48	1.7	19	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032530.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.83 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		**U**
Ethene	0.71	1.7	0.71	1		**U**
Methane	0.47	1.7	170	1		**J**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032531.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.83 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	4.7	10	4.7	5		U
Ethene	3.6	8.5	3.6	5		U
Methane	2.4	8.5	180	5		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032532.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.69 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		**U**
Ethene	0.71	1.7	0.71	1		**U**
Methane	0.48	1.7	5.4	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032533.rst
Date Received:	20-Mar-13	**Date Extracted:**	25-Mar-13	**Date Analyzed:**	25-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.74 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		**U**
Ethene	0.71	1.7	0.71	1		**U**
Methane	0.47	1.7	7.7	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032611.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.45 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	1.9	4.1	1.9	2		**U**
Ethene	1.4	3.4	1.4	2		**UQ**
Methane	0.96	3.4	66	2		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032606.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.74 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		**U**
Ethene	0.71	1.7	0.71	1		**UQ**
Methane	0.47	1.7	2.4	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008B	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032607.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	ug/L			**Sample Size:**	37.17 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.96	2.1	0.96	1		**U**
Ethene	0.72	1.7	0.72	1		**UQ**
Methane	0.48	1.7	0.48	1		**U**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009B	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032608.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.17 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.96	2.1	0.96	1		**U**
Ethene	0.72	1.7	0.72	1		**UQ**
Methane	0.48	1.7	13	1		

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	RSK 175	**Preparatory Method:**	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**			
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010B	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1846	**File ID:**	E:\Osimar13\E032609.rst
Date Received:	20-Mar-13	**Date Extracted:**	26-Mar-13	**Date Analyzed:**	26-Mar-13
Concentration Units (ug/L or mg/Kg dry weight):	µg/L			**Sample Size:**	37.86 mL

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
Ethane	0.95	2.0	0.95	1		**U**
Ethene	0.71	1.7	0.71	1		**UQ**
Methane	0.47	1.7	0.47	1		**U**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 3
INITIAL MULTIPOINT CALIBRATION

Analytical Method:	RSK 175	**AAB #:**	R23981
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	GCOS 17E	**Date of Initial Calibration:**	29-Mar-12
Initial Calibration ID:	1846	**Concentration Units:**	ug/L

SEE ATTACHED INITIAL CALIBRATION

Comments:

AFCEE FORM O-3

INITIAL CALIBRATION

INSTRUMENT: HP5890-OSI

COLUMN: ALUMINA

SEQUENCE: OS032912G

DISSOLVED GASES

Turbochrom Method File E:\Methods\EGAS032912.mth
Printed by : manager on: 03/29/12 11:18:36
Created by : manager on: 03/29/12 08:11:02
Edited by : manager on: 03/29/12 11:18:20
Number of Times Edited : 2
Number of Times Calibrated : 41
Description: Dissolved Gases Calibration

Global Sample Information

Default Sample Volume : 1.000 uL
Quantitation Units : ng
Void Time : 0.000 min
Correct amounts during calibration : No
Convert unknowns to concentration units : No
Reject outliers during calibration : No

An External Standard calibration will be used
Unknown peaks will be quantitated using a response factor of 1.000000e+06
First peak will be relative retention reference

Component Information

Methane
Component Type : Single Peak Component
Retention Time : 1.389 min
Search Window : 2.76 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	3.3030	9810.12	2556.66	----------	----------	1
2	6.6060	19522.97	4876.19	----------	----------	1
3	33.0300	94579.25	23794.48	----------	----------	1
4	132.1200	401986.60	95930.84	----------	----------	1
5	330.3000	963815.17	183011.67	----------	----------	1
6	660.6000	1860812.47	291414.24	----------	----------	1

Average Calibration Factor = 2927.712712 (%RSD = 2.74)

Ethane
Component Type : Single Peak Component
Retention Time : 1.573 min
Search Window : 8.22 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	6.1925	18730.42	5530.53	----------	----------	1
2	12.3850	37565.45	10572.92	----------	----------	1
3	61.9250	185609.47	52198.90	----------	----------	1
4	247.7000	791295.57	202608.59	----------	----------	1
5	619.2500	1900074.54	354708.60	----------	----------	1
6	1238.5000	3908003.47	513286.64	----------	----------	1

Average Calibration Factor = 3078.919268 (%RSD = 2.56)

Ethene
Component Type : Single Peak Component
Retention Time : 1.855 min
Search Window : 35.94 s, 0.00 %
Reference Component :
Find peak closest to expected RT in window
Use Average Calibration Factor (Area / Amount)
Component standard purity percentage : 100.0000%

03/29/12 11:18:36 Method: E:\Methods\EGAS032912.mth

User Values
Label :
Value 1 : 0.000000
Value 2 : 0.000000
Value 3 : 0.000000
Value 4 : 0.000000
Value 5 : 0.000000

Calibration Level

Level Name	Amount	Area	Height	ISTD Amt.	ISTD Resp.	# Replicates
1	5.7935	18777.64	5363.00	----------	----------	1
2	11.5870	37580.68	10251.39	----------	----------	1
3	57.9350	185112.29	50531.27	----------	----------	1
4	231.7400	789448.94	197806.51	----------	----------	1
5	579.3500	1902333.95	354622.52	----------	----------	1
6	1158.7000	3876043.61	516495.39	----------	----------	1

Average Calibration Factor = 3285.837218 (%RSD = 2.36)

AFCEE
ORGANIC ANALYSES DATA SHEET 4
SECOND SOURCE CALIBRATION VERIFICATION

Analytical Method:	RSK 175	**AAB #:**	R23997
Lab Name:	Life Science Laboratories, In	**Contract Number:**	
Instrument ID:	GCOS_17E	**Initial Calibration ID:**	1846
Second Source ID:	50UL STD #493	**Concentration Units (mg/L or mg/kg):**	ug/L

Analyte	Expected	Found	%D	Q
Ethane	61.74	63	2.1	
Ethene	57.53	58	1.4	
Methane	32.91	33	-0.8	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 5
CALIBRATION VERIFICATION

Analytical Method:	RSK 175	AAB #:	R23981
Lab Name:	Life Science Laboratories, Inc.	Contract #:	
Instrument ID:	GCOS 17E	Initial Calibration ID:	1846

SEE ATTACHED CALIBRATION VERIFICATION

Comments:

AFCEE FORM O-5

DISSOLVED GASES BY FID
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-OSI SEQUENCE: os032513g.SEQ COLUMN: ALUMINA

		Name:	50ul STD	Name:	50ul STD	Name:	50ul STD	Name:	50ul STD
		File:	E032501	File:	E032512	File:	E032524	File:	E032535
		Date:	3/25/13	Date:	3/25/13	Date:	3/25/13	Date:	3/25/13
		Time	8:19	Time	10:18	Time	12:49	Time	15:08
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79	31.40900	4	30.43800	7	32	2	32.50100	1
Ethane	61.50	58.95000	4	57.24300	7	60.41100	2	61.17100	1
Ethene	58.05	55.20100	5	53.47100	8	56.42400	3	57.20600	1
Propane	89.50								

		Name:		Name:		Name:		Name:	
		File:		File:		File:		File:	
		Date:		Date:		Date:		Date:	
		Time		Time		Time		Time	
Parameter	Nominal Amount(ng)	Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79								
Ethane	61.50								
Ethene	58.05								
Propane	89.50								

Page 1

DISSOLVED GASES BY FID
CONTINUING CALIBRATION SUMMARY

INSTRUMENT: HP5890-OSI SEQUENCE: os032613g.SEQ COLUMN: ALUMINA

		Name:	50ul STD	Name:	50ul STD	Name:	50ul STD	Name:	
		File:	E032601	File:	E032610	File:	E032612	File:	
		Date:	3/26/13	Date:	3/26/13	Date:	3/26/13	Date:	
		Time	7:06	Time	9:05	Time	12:14	Time	
Parameter	Nominal Amount(ng)	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79	32.11700	2	32.50700	1	31	6		
Ethane	61.50	60.40300	2	61.08700	1	57.88500	6		
Ethene	58.05	56.53100	3	57.07400	2	54.26200	7		
Propane	89.50								

		Name:		Name:		Name:		Name:	
		File:		File:		File:		File:	
		Date:		Date:		Date:		Date:	
		Time		Time		Time		Time	
Parameter	Nominal Amount(ng)	Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D	Calculated Amount(ng)	%D
Methane	32.79								
Ethane	61.50								
Ethene	58.05								
Propane	89.50								

Page 1

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	RSK 175	**AAB #:**	16783
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-16783
Initial Calibration ID:	1846	**File ID:**	E:\Osimar13\E032502.rst

Analyte	Method Blank	RL	Q
Ethane	0.95	6.0	**U**
Ethene	0.71	5.0	**U**
Methane	0.47	5.0	**U**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 7
BLANKS

Analytical Method:	RSK 175	**AAB #:**	16789
Lab Name:	Life Science Laboratories, Inc.	**Contract Number:**	
Units:	µg/L	**Method Blank ID:**	MB-16789
Initial Calibration ID:	1846	**File ID:**	E:\Osimar13\E032602.rst

Analyte	Method Blank	RL	Q
Ethane	0.97	6.0	**U**
Ethene	0.73	5.0	**U**
Methane	0.48	5.0	**U**

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-16783 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osimar13\E032503.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	16.209974	17	103	65 - 115	
Ethene	15.034121	9.9	66	65 - 115	
Methane	8.5669291	8.5	99	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-16783 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osimar13\E032504.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	16.495726	17	106	65 - 115	
Ethene	15.384615	10	67	65 - 115	
Methane	8.8034188	8.5	97	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16789

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-16789 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osimar13\E032603.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	16.482519	16	100	65 - 115	
Ethene	15.372298	9.9	64	65 - 115	*
Methane	8.7963704	8.3	95	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 8
LABORATORY CONTROL SAMPLE

Analytical Method: RSK 175 **AAB #:** 16789

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-16789 **Initial Calibration ID:** 1846

Concentration Units (mg/L or mg/kg): µg/L **File ID:** E:\Osimar13\E032604.rst

Analyte	Expected	Found	%R	Control Limits	Q
Ethane	16.705437	17	105	65 - 115	
Ethene	15.580200	11	71	65 - 115	
Methane	8.9153368	8.6	97	60 - 120	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-16783 **MS ID:** LCS-16783 **MSD ID:** LCSD-16783

Calibration ID: 1846

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Ethane		16	17	103	17	106	4	65 - 115	20	
Ethene		15	9.9	66	10	67	4	65 - 115	20	
Methane		8.8	8.5	99	8.5	97	0	60 - 120	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 9
MATRIX SPIKE/MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Analytical Method: RSK 175 **AAB #:** 16789

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Concentration Units (mg/L or mg/kg): µg/L **% Solids:** 0

Parent Field Sample ID: LCSD-16789 **MS ID:** LCS-16789 **MSD ID:** LCSD-16789

Calibration ID: 1846

Analyte	Parent Sample Result	Spike Added	Spiked Sample Result	%R	Duplicate Spiked Sample Result	%R	%RPD	Control Limits %R	Control Limits %RPD	Q
Ethane		17	16	100	17	105	6	65 - 115	20	
Ethene		16	9.9	64	11	71	12	65 - 115	20	*
Methane		8.9	8.3	95	8.6	97	3	60 - 120	20	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: RSK 175 **AAB #:** 16783

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LF6M1645LA	K1303206-001B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.9	25-Mar-13	14	0.1	
LF6M1750LA	K1303206-002B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.8	25-Mar-13	14	0.2	
LF6M2046LA	K1303206-004B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.9	25-Mar-13	14	0.2	
LF6VM2650LA	K1303206-005B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.7	25-Mar-13	14	0.2	
LF6M3145LA	K1303206-006B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.7	25-Mar-13	14	0.2	
031513LE	K1303206-007B	15-Mar-13	18-Mar-13	25-Mar-13	14	9.6	25-Mar-13	14	0.2	
LF6VM13R31LA	K1303232-001B	18-Mar-13	20-Mar-13	25-Mar-13	14	6.9	25-Mar-13	14	0.2	
LF6VM13RD35LA	K1303232-002B	18-Mar-13	20-Mar-13	25-Mar-13	14	6.9	25-Mar-13	14	0.3	
LF6T3306LA	K1303232-003B	18-Mar-13	20-Mar-13	25-Mar-13	14	6.9	25-Mar-13	14	0.3	
LF6T3406LA	K1303232-004B	18-Mar-13	20-Mar-13	25-Mar-13	14	6.8	25-Mar-13	14	0.3	
LF6T3506LA	K1303232-005B	18-Mar-13	20-Mar-13	25-Mar-13	14	6.8	25-Mar-13	14	0.3	

Comments:

AFCEE
ORGANIC ANALYSES DATA SHEET 10
HOLDING TIMES

Analytical Method: RSK 175 **AAB #:** 16789

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Max. Holding Time E	Time Held Ext.	Date Analyzed	Max. Holding Time A	Time Held Anal.	Q
LF6M1750LC	K1303206-003B	15-Mar-13	18-Mar-13	26-Mar-13	14	10.8	26-Mar-13	14	0	
LF6T3606LA	K1303232-006B	18-Mar-13	20-Mar-13	26-Mar-13	14	7.7	26-Mar-13	14	0.2	
LF6T3807LA	K1303232-007B	18-Mar-13	20-Mar-13	26-Mar-13	14	7.7	26-Mar-13	14	0.1	
LF6M3920LA	K1303232-008B	18-Mar-13	20-Mar-13	26-Mar-13	14	7.7	26-Mar-13	14	0.1	
LF6SW01PM01LA	K1303232-009B	18-Mar-13	20-Mar-13	26-Mar-13	14	7.9	26-Mar-13	14	0.1	
031813LE	K1303232-010B	18-Mar-13	20-Mar-13	26-Mar-13	14	7.6	26-Mar-13	14	0.1	

Comments:

Life Science Laboratories, Inc.
GC INJECTION LOGBOOK

Instrument: HP5890-OSI Column: Alumina Sequence: OS032912G.SEQ

Cycle	Vial #	Sample #	Description	File	Date Inj.	Time Inj.	Sample Size	Extract Volume	Dilution Factor	Comments
1	1	BLANK AIR		E032901	03/29/12	09:22	1	1	1	
2	2	1000ul STD	ICAL	E032902	03/29/12	09:34	1	1	1	
3	3	500ul STD	ICAL	E032903	03/29/12	09:51	1	1	1	
4	4	200ul STD	ICAL	E032904	03/29/12	10:03	1	1	1	
5	5	50ul STD	ICAL	E032905	03/29/12	10:25	1	1	1	
6	6	10ul STD	ICAL	E032906	03/29/12	10:37	1	1	1	
7	7	5ul STD	ICAL	E032907	03/29/12	10:48	1	1	1	

Comments: 1)

2)

Analyst/Date CH 3/29/12

Supervisor/Date: CH 3/29/12

Method:8081,8082,608,8151, 8015-K 8100 RSK-175

Circle method used; note in comment column if additional methods referenced

AFCEE
ORGANIC ANALYSES DATA SHEET 11
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: RSK 175 **AAB#:**

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: GCOS_17E **Calibration ID:** 1846

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analysis Started	Time Analysis Started	Date Analysis Completed	Time Analysis Completed
50ul STD	50ul STD	25-Mar-13	8:19	25-Mar-13	8:30
MB-16783	MB-16783	25-Mar-13	8:30	25-Mar-13	8:41
LCS-16783	LCS-16783	25-Mar-13	8:41	25-Mar-13	8:52
LCSD-16783	LCSD-16783	25-Mar-13	8:52	25-Mar-13	10:18
50ul STD	50ul STD	25-Mar-13	10:18	25-Mar-13	11:27
LF6M1645LA	K1303206-001B	25-Mar-13	11:27	25-Mar-13	11:49
LF6M1750LA	K1303206-002B	25-Mar-13	11:49	25-Mar-13	12:27
LF6M2046LA	K1303206-004B	25-Mar-13	12:27	25-Mar-13	12:49
50ul STD	50ul STD	25-Mar-13	12:49	25-Mar-13	13:11
LF6VM2650LA	K1303206-005B	25-Mar-13	13:11	25-Mar-13	13:22
LF6M3145LA	K1303206-006B	25-Mar-13	13:22	25-Mar-13	13:33
031513LE	K1303206-007B	25-Mar-13	13:33	25-Mar-13	13:50
LF6VM13R31LA	K1303232-001B	25-Mar-13	13:50	25-Mar-13	14:00
LF6VM13RD35LA	K1303232-002B	25-Mar-13	14:00	25-Mar-13	14:11
LF6T3306LA	K1303232-003B	25-Mar-13	14:22	25-Mar-13	14:33
LF6T3406LA	K1303232-004B	25-Mar-13	14:33	25-Mar-13	14:43
LF6T3506LA	K1303232-005B	25-Mar-13	14:43	25-Mar-13	15:08
50ul STD	50ul STD	25-Mar-13	15:08	25-Mar-13	15:08
50ul STD	50ul STD	26-Mar-13	7:06	26-Mar-13	7:19
MB-16789	MB-16789	26-Mar-13	7:19	26-Mar-13	7:30
LCS-16789	LCS-16789	26-Mar-13	7:30	26-Mar-13	7:41
LCSD-16789	LCSD-16789	26-Mar-13	7:41	26-Mar-13	7:56
LF6M1750LC	K1303206-003B	26-Mar-13	7:56	26-Mar-13	8:15
LF6T3807LA	K1303232-007B	26-Mar-13	8:15	26-Mar-13	8:27
LF6M3920LA	K1303232-008B	26-Mar-13	8:27	26-Mar-13	8:38
LF6SW01PM01LA	K1303232-009B	26-Mar-13	8:38	26-Mar-13	8:55
031813LE	K1303232-010B	26-Mar-13	8:55	26-Mar-13	9:05
50ul STD	50ul STD	26-Mar-13	9:05	26-Mar-13	12:03
LF6T3606LA	K1303232-006B	26-Mar-13	12:03	26-Mar-13	12:14
50ul STD	50ul STD	26-Mar-13	12:14	26-Mar-13	12:14

Comments:

Dissolved Organic Carbon Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SM 5310 B **AAB #:** R25463

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645LA	K1303206-001C
LF6M1750LA	K1303206-002C
LF6M1750LC	K1303206-003C
LF6M2046LA	K1303206-004C
LF6VM2650LA	K1303206-005C
LF6M3145LA	K1303206-006C
031513LE	K1303206-007C
LF6VM13R31LA	K1303232-001C
LF6VM13RD35LA	K1303232-002C
LF6T3306LA	K1303232-003C
LF6T3406LA	K1303232-004C
LF6T3506LA	K1303232-005C
LF6T3606LA	K1303232-006C
LF6T3807LA	K1303232-007C
LF6M3920LA	K1303232-008C
LF6SW01PM01LA	K1303232-009C
031813LE	K1303232-010C

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.9	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.7	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.0	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	**U**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.95	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.3	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.1	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13
Concentration Units (mg/L or mg/kg dry weight):	mg/L				

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	1.6	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.51	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:** R25463		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.54	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008C	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.93	1	F

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009C	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	2.5	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SM 5310 B		**AAB #:**	R25463	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031813LE	**Lab Sample ID:**	K1303232-010C	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1864		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Dissolved organic carbon (DOC)	0.50	1.0	0.50	1	**U**

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SM 5310 B
Lab Name: Life Science Laboratories, Inc.
Instrument ID: TOC-5000A
Initial Calibration ID: 1864

AAB #: R25463
Contract #:
Date of Initial Calibration: 12-Feb-13
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Dissolved organic carbon (DOC)	0	1	10	20	0	0	0	0	0	0	0.999739	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method:	SM 5310 B	**AAB #:**	R25463
Lab Name:	Life Science Laboratories, Inc.	**Contract #:**	
Instrument ID:	TOC-5000A	**Initial Calibration ID:**	1864
2nd Source ID:	ICV	**CCV #1 ID:** CCV1	**CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Dissolved organic carbon (DOC)	10.0	10.3	3.4	10.0	10.3	2.8	10.3	3.2	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25463

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1864

Method Blank ID: MB-25463 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	0.041	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25463

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1864

Method Blank ID: MB-25463 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	0.0064	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SM 5310 B **AAB #:** R25463

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1864

Method Blank ID: MB-25463 **Initial Calibration ID:** 1864

Analyte	Calibration Blank	Method Blank	RL	Q
Dissolved organic carbon (DOC)	0.40	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SM 5310 B **AAB #:** R25463

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25463 **Initial Calibration ID:** 1864

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Dissolved organic carbon (DOC)	10	10.3	103	90 - 110	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SM 5310 B **AAB #:** R25463

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LF6M1645LA	K1303206-001C	15-Mar-13	18-Mar-13	28-Mar-13	28	12.9	
LF6M1750LA	K1303206-002C	15-Mar-13	18-Mar-13	28-Mar-13	28	12.9	
LF6M1750LC	K1303206-003C	15-Mar-13	18-Mar-13	28-Mar-13	28	12.9	
LF6M2046LA	K1303206-004C	15-Mar-13	18-Mar-13	28-Mar-13	28	13.0	
LF6VM2650LA	K1303206-005C	15-Mar-13	18-Mar-13	28-Mar-13	28	12.8	
LF6M3145LA	K1303206-006C	15-Mar-13	18-Mar-13	28-Mar-13	28	12.9	
031513LE	K1303206-007C	15-Mar-13	18-Mar-13	28-Mar-13	28	12.8	
LF6VM13R31LA	K1303232-001C	18-Mar-13	20-Mar-13	28-Mar-13	28	10	
LF6VM13RD35LA	K1303232-002C	18-Mar-13	20-Mar-13	28-Mar-13	28	10	
LF6T3306LA	K1303232-003C	18-Mar-13	20-Mar-13	28-Mar-13	28	10	
LF6T3406LA	K1303232-004C	18-Mar-13	20-Mar-13	28-Mar-13	28	10	
LF6T3506LA	K1303232-005C	18-Mar-13	20-Mar-13	28-Mar-13	28	10	
LF6T3606LA	K1303232-006C	18-Mar-13	20-Mar-13	28-Mar-13	28	10	
LF6T3807LA	K1303232-007C	18-Mar-13	20-Mar-13	28-Mar-13	28	10	
LF6M3920LA	K1303232-008C	18-Mar-13	20-Mar-13	28-Mar-13	28	10	
LF6SW01PM01LA	K1303232-009C	18-Mar-13	20-Mar-13	28-Mar-13	28	10.2	
031813LE	K1303232-010C	18-Mar-13	20-Mar-13	28-Mar-13	28	9.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SM 5310 B

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: TOC-5000A

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
S0	S0	12-Feb-13	8:24	12-Feb-13	8:34
S1	S1	12-Feb-13	8:34	12-Feb-13	8:48
S10	S10	12-Feb-13	8:48	12-Feb-13	8:59
S20	S20	12-Feb-13	8:59	12-Feb-13	8:59
ICV	ICV	28-Mar-13	7:54	28-Mar-13	7:55
LCS-25463	LCS-25463	28-Mar-13	7:55	28-Mar-13	8:09
ICB	ICB	28-Mar-13	8:09	28-Mar-13	8:10
MB-25463	MB-25463	28-Mar-13	8:10	28-Mar-13	8:58
LF6M1645LA	K1303206-001C	28-Mar-13	8:58	28-Mar-13	9:07
LF6M1750LA	K1303206-002C	28-Mar-13	9:07	28-Mar-13	9:18
LF6M1750LC	K1303206-003C	28-Mar-13	9:18	28-Mar-13	10:42
LF6M2046LA	K1303206-004C	28-Mar-13	10:42	28-Mar-13	10:50
LF6VM2650LA	K1303206-005C	28-Mar-13	10:50	28-Mar-13	10:59
LF6M3145LA	K1303206-006C	28-Mar-13	10:59	28-Mar-13	11:07
031513LE	K1303206-007C	28-Mar-13	11:07	28-Mar-13	11:21
LF6VM13R31LA	K1303232-001C	28-Mar-13	11:21	28-Mar-13	12:03
LF6VM13RD35LA	K1303232-002C	28-Mar-13	12:03	28-Mar-13	12:12
LF6T3306LA	K1303232-003C	28-Mar-13	12:12	28-Mar-13	12:36
CCV1	CCV1	28-Mar-13	12:36	28-Mar-13	12:46
CCB1	CCB1	28-Mar-13	12:46	28-Mar-13	13:02
LF6T3406LA	K1303232-004C	28-Mar-13	13:02	28-Mar-13	13:21
LF6T3506LA	K1303232-005C	28-Mar-13	13:21	28-Mar-13	13:28
LF6T3606LA	K1303232-006C	28-Mar-13	13:28	28-Mar-13	13:47
LF6T3807LA	K1303232-007C	28-Mar-13	13:47	28-Mar-13	13:56
LF6M3920LA	K1303232-008C	28-Mar-13	13:56	28-Mar-13	14:04
LF6SW01PM01LA	K1303232-009C	28-Mar-13	14:04	28-Mar-13	14:13
031813LE	K1303232-010C	28-Mar-13	14:13	28-Mar-13	14:39
CCV2	CCV2	28-Mar-13	15:11	28-Mar-13	15:24
CCB2	CCB2	28-Mar-13	15:24	28-Mar-13	15:24

Comments:

Sulfate Data

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25468

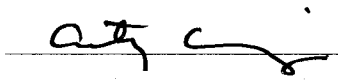
Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6M1645LA	K1303206-001A
LF6M1750LA	K1303206-002A
LF6M1750LC	K1303206-003A
LF6M2046LA	K1303206-004A
LF6VM2650LA	K1303206-005A
LF6M3145LA	K1303206-006A
031513LE	K1303206-007A

Comments:

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

Signature:  Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA PACKAGE

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Base/Command: **Prime Contractor:** FPM Group

Field Sample ID	Lab Sample ID
LF6VM13R31LA	K1303232-001A
LF6VM13RD35LA	K1303232-002A
LF6T3306LA	K1303232-003A
LF6T3406LA	K1303232-004A
LF6T3506LA	K1303232-005A
LF6T3606LA	K1303232-006A
LF6T3807LA	K1303232-007A
LF6M3920LA	K1303232-008A
LF6SW01PM01LA	K1303232-009A
031813LE	K1303232-010A

Comments:

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

Signature: Anthony Crescenzi Name: Anthony Crescenzi

Date: 4-3-13 Title: Project Manager

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1645LA	**Lab Sample ID:**	K1303206-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	71	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750LA	**Lab Sample ID:**	K1303206-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	67	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M1750LC	**Lab Sample ID:**	K1303206-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	67	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M2046LA	**Lab Sample ID:**	K1303206-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	66	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM2650LA	**Lab Sample ID:**	K1303206-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	46	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25468		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3145LA	**Lab Sample ID:**	K1303206-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	78	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:**	R25468	
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	031513LE	**Lab Sample ID:**	K1303206-007A	**Matrix:**	Water Q
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	18-Mar-13	**Date Prepared:**		**Date Analyzed:**	28-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13R31LA	**Lab Sample ID:**	K1303232-001A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	50	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6VM13RD35LA	**Lab Sample ID:**	K1303232-002A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	47	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3306LA	**Lab Sample ID:**	K1303232-003A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	76	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3406LA	**Lab Sample ID:**	K1303232-004A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	69	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3506LA	**Lab Sample ID:**	K1303232-005A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	45	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3606LA	**Lab Sample ID:**	K1303232-006A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13
Concentration Units (mg/L or mg/kg dry weight):		mg/L			

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	37	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6T3807LA	**Lab Sample ID:**	K1303232-007A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	39	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6M3920LA	**Lab Sample ID:**	K1303232-008A	**Matrix:**	Groundwater
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	11	1	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method:	SW9056		**AAB #:** R25469		
Lab Name:	Life Science Laboratories, Inc.		**Contract #:**		
Field Sample ID:	LF6SW01PM01LA	**Lab Sample ID:**	K1303232-009A	**Matrix:**	Surface Water
% Solids:	0	**Initial Calibration ID:**	1867		
Date Received:	20-Mar-13	**Date Prepared:**		**Date Analyzed:**	29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	2.5	5.0	35	5	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 2
RESULTS

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID: 031813LE **Lab Sample ID:** K1303232-010A **Matrix:** Water Q

% Solids: 0 **Initial Calibration ID:** 1867

Date Received: 20-Mar-13 **Date Prepared:** **Date Analyzed:** 29-Mar-13

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

Analyte	MDL	RL	Concentration	Dilution	Qualifier
Sulfate (as SO4)	0.50	1.0	0.50	1	U

Comments:

AFCEE

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WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc.

Instrument ID: IC

Initial Calibration ID: 1867

AAB #: R25468

Contract #:

Date of Initial Calibration: 25-Mar-13

Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Sulfate (as SO4)	0.5	1	5	10	20	50	0.1	0	0	0	0.99987	

r = correlation coefficient

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 3-10
INITIAL MULTIPOINT CALIBRATION

Analytical Method: SW9056
Lab Name: Life Science Laboratories, Inc.
Instrument ID: IC
Initial Calibration ID: 1867

AAB #: R25469
Contract #:
Date of Initial Calibration: 25-Mar-13
Concentration Units (mg/L or mg/kg): mg/L

Analyte	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	STD 10	r	Q
Sulfate (as SO4)	0.5	1	5	10	20	50	0.1	0	0	0	0.99987	

r = correlation coefficient

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: IC **Initial Calibration ID:** 1867

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Sulfate (as SO4)	10.0	10.5	4.5	10.0	10.5	5.3	10.5	5.5	

Comments:

AFCEE
WET CHEMISTRY ANALYSES DATA SHEET 4
CALIBRATION VERIFICATION

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID: IC **Initial Calibration ID:** 1867

2nd Source ID: ICV **CCV #1 ID:** CCV1 **CCV #2 ID:** CCV2

Analyte	2nd Source Calibration Verification			Continuing Calibration Verification					Q
	Expected	Found	%D	Expected	Found 1	%D	Found 2	%D	
Sulfate (as SO4)	10.0	10.1	0.8	10.0	10.2	1.6	10.2	1.7	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.33	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.40	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1867

Method Blank ID: MB-25468 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: ICB **Initial Calibration ID:** 1867

Method Blank ID: MB-25469 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.39	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB1 **Initial Calibration ID:** 1867

Method Blank ID: MB-25469 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 5
BLANKS

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract Number:**

Concentration Units (mg/L or mg/kg): mg/L

Calibraton Blank ID: CCB2 **Initial Calibration ID:** 1867

Method Blank ID: MB-25469 **Initial Calibration ID:** 1867

Analyte	Calibration Blank	Method Blank	RL	Q
Sulfate (as SO4)	0.50	0.50	1.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25468 **Initial Calibration ID:** 1867

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	10	10.5	105	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCS-25469 **Initial Calibration ID:** 1867

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	10	10.1	101	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25468 **Initial Calibration ID:** 1867

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	10	10.6	106	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 6
LABORATORY CONTROL SAMPLE

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract #:**

LCS ID: LCSD-25469 **Initial Calibration ID:** 1867

Concentration Units (mg/L or mg/kg): mg/L

Analyte	Expected	Found	%R	Control Limits	Q
Sulfate (as SO4)	10	10.2	102	85 - 115	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R25468

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LF6M1645LA	K1303206-001A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.1	
LF6M1750LA	K1303206-002A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.1	
LF6M1750LC	K1303206-003A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.1	
LF6M2046LA	K1303206-004A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.2	
LF6VM2650LA	K1303206-005A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.0	
LF6M3145LA	K1303206-006A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.1	
031513LE	K1303206-007A	15-Mar-13	18-Mar-13	28-Mar-13	28	13.0	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 8
HOLDING TIMES

Analytical Method: SW9056 **AAB #:** R25469

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Field Sample ID	Lab Sample ID	Date Collected	Date Received	Date Analyzed	Max. Holding Time (days)	Time Held (days)	Q
LF6VM13R31LA	K1303232-001A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.1	
LF6VM13RD35LA	K1303232-002A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.1	
LF6T3306LA	K1303232-003A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.1	
LF6T3406LA	K1303232-004A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.1	
LF6T3506LA	K1303232-005A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.0	
LF6T3606LA	K1303232-006A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.0	
LF6T3807LA	K1303232-007A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.0	
LF6M3920LA	K1303232-008A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.1	
LF6SW01PM01LA	K1303232-009A	18-Mar-13	20-Mar-13	29-Mar-13	28	11.2	
031813LE	K1303232-010A	18-Mar-13	20-Mar-13	29-Mar-13	28	10.9	

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: IC

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
ical 7	ical 7	25-Mar-13	14:38	25-Mar-13	15:03
ical 1	ical 1	25-Mar-13	15:03	25-Mar-13	15:20
ical 2	ical 2	25-Mar-13	15:20	25-Mar-13	15:37
ical 3	ical 3	25-Mar-13	15:37	25-Mar-13	15:54
ical 4	ical 4	25-Mar-13	15:54	25-Mar-13	16:11
ical 5	ical 5	25-Mar-13	16:11	25-Mar-13	16:28
ical 6	ical 6	25-Mar-13	16:28	25-Mar-13	16:28
ICV	ICV	28-Mar-13	9:00	28-Mar-13	9:01
LCS-25468	LCS-25468	28-Mar-13	9:01	28-Mar-13	9:30
ICB	ICB	28-Mar-13	9:30	28-Mar-13	13:56
LF6M1645LA	K1303206-001A	28-Mar-13	13:56	28-Mar-13	14:13
LF6M1750LA	K1303206-002A	28-Mar-13	14:13	28-Mar-13	14:29
LF6M1750LC	K1303206-003A	28-Mar-13	14:29	28-Mar-13	14:45
CCV1	CCV1	28-Mar-13	14:45	28-Mar-13	15:02
CCB1	CCB1	28-Mar-13	15:02	28-Mar-13	15:18
LF6M2046LA	K1303206-004A	28-Mar-13	15:18	28-Mar-13	15:45
LF6VM2650LA	K1303206-005A	28-Mar-13	15:45	28-Mar-13	16:01
LF6M3145LA	K1303206-006A	28-Mar-13	16:01	28-Mar-13	16:17
031513LE	K1303206-007A	28-Mar-13	16:17	28-Mar-13	17:56
LCSD-25468	LCSD-25468	28-Mar-13	17:56	28-Mar-13	18:12
CCV2	CCV2	28-Mar-13	18:12	28-Mar-13	18:29
CCB2	CCB2	28-Mar-13	18:29	28-Mar-13	18:30
MB-25468	MB-25468	28-Mar-13	18:30	28-Mar-13	18:30
ICV	ICV	29-Mar-13	10:49	29-Mar-13	10:50
LCS-25469	LCS-25469	29-Mar-13	10:50	29-Mar-13	11:06
ICB	ICB	29-Mar-13	11:06	29-Mar-13	11:07
MB-25469	MB-25469	29-Mar-13	11:07	29-Mar-13	13:14
031813LE	K1303232-010A	29-Mar-13	13:14	29-Mar-13	13:30
LF6VM13R31LA	K1303232-001A	29-Mar-13	13:30	29-Mar-13	13:47
LF6VM13RD35LA	K1303232-002A	29-Mar-13	13:47	29-Mar-13	14:03
LF6T3306LA	K1303232-003A	29-Mar-13	14:03	29-Mar-13	14:20
LF6T3406LA	K1303232-004A	29-Mar-13	14:20	29-Mar-13	14:36
LF6T3506LA	K1303232-005A	29-Mar-13	14:36	29-Mar-13	14:52
LF6T3606LA	K1303232-006A	29-Mar-13	14:52	29-Mar-13	15:09
LF6T3807LA	K1303232-007A	29-Mar-13	15:09	29-Mar-13	15:42
LF6SW01PM01LA	K1303232-009A	29-Mar-13	15:42	29-Mar-13	15:58
CCV1	CCV1	29-Mar-13	15:58	29-Mar-13	16:14

Comments:

AFCEE
WET CHEM ANALYSES DATA SHEET 9
INSTRUMENT ANALYSIS SEQUENCE LOG

Analytical Method: SW9056

Lab Name: Life Science Laboratories, Inc. **Contract #:**

Instrument ID #: IC

Field Sample ID/Std ID/ Blank ID/QC Sample ID	Lab Sample ID	Date Analyses Started	Time Analyses Started	Date Analyses Completed	Time Analyses Completed
CCB1	CCB1	29-Mar-13	16:14	29-Mar-13	16:31
LF6M3920LA	K1303232-008A	29-Mar-13	16:31	29-Mar-13	16:47
LCSD-25469	LCSD-25469	29-Mar-13	16:47	29-Mar-13	17:04
CCV2	CCV2	29-Mar-13	17:04	29-Mar-13	17:20
CCB2	CCB2	29-Mar-13	17:20	29-Mar-13	17:20

Comments:

RECOMMENDED ANNUAL O&M /REMEDY EVALUATION CHECKLIST

Introduction and Purpose

Effective operation and maintenance (O&M) at Superfund sites generally is critical to ensure that remedies remain protective of human health and the environment.

The recommended Annual O&M Remedy Evaluation Checklist has been designed to help the Remedial Project Manager (RPM) capture data routinely collected during O&M in a way that can better evaluate the efficiency and effectiveness of the remedial action. This recommended checklist may also be used to evaluate an operating remedy prior to transferring the site to the State for O&M. In addition, remedy performance summarized using this recommended checklist can be used to communicate remedy progress to the local community, highlight potential issues before they become problems and help the RPM complete five-year reviews more efficiently.

The information that you collect using this recommended form should help you answer the following questions:

- Is the remedy achieving the remedial action objectives (RAOs), maintaining cleanup goals and/or achieving technology-specific performance goals?
- If the remedy is not achieving the established objectives and goals, what must I do to correct this and how can I document this?
- If the remedy is achieving the performance goals, objectives and performance standards, are there any opportunities to optimize the remedy to make it work more efficiently?

This recommended checklist is intended to be completed annually. It is recommended that any data that you use to complete this evaluation be attached to the checklist, as this will make completing the next year's evaluation easier.

This recommended checklist does not recommend the level of review carried out in the U.S. Environmental Protection Agency (EPA) five-year review process. However the recommended checklist contains review elements that are consistent with a five-year review process.

Instructions:

The recommended checklist is in Microsoft Word and was designed to be completed electronically. Most questions involve a short answer, yes/no response or simply checking the box. Questions that involve a short answer will have an expandable text box. For responses that ask to you to "select one," please double click on "select one" and choose the correct answer. If the information is not available for a particular question, please indicate this with a N/A. A site visit is strongly encouraged, but not required prior to completing the recommended checklist.

1. This evaluation is intended to be completed yearly once O&M activities have begun at a site and can be stored and maintained in an electronic format.
2. For large complex sites, consider completing a separate checklist for each Operable Unit (OU).
3. This evaluation should be based on information and documentation (e.g., O&M reports and monitoring data) that is readily available to the RPM.
4. Section VIII, "Technical Data and Remedy Performance," provides specific instructions regarding what data and information are important for this section. Data entered in Section VIII are used to evaluate the specific technology used in that remedial action (RA). Please note: *Section VIII, Appendix E, Other Remedy Types/Components* was designed to be used by the RPM for the annual review of O&M remedies and remedy components that are not addressed in Appendices A through D or by the separate *Recommended Annual O&M Remedy Evaluation Checklist for Contaminated Sediment Remedies*, OSWER #9355.0-118.
5. When you have completed the recommended checklist, please sign and date page 1 and place the completed document in the site file. Additionally, we recommend that you save the completed checklist electronically for use in completing the next year's evaluation.

Generally, including the Recommended Annual O&M/Remedy Evaluation Checklist in the site repository can provide the community with information about O&M status and remedy performance and can demonstrate that the Region is tracking performance to ensure that the remedy remains protective.

Acronym List

AS	Air Sparging	PCOR	Preliminary Close Out Report
CSM	Conceptual Site Model	PRGs	Preliminary Remediation Goals
GAC	Granular Activated Carbon	PRP	Potentially Responsible Party
ICs	Institutional Controls	RAO	Remedial Action Objective
LEL	Lower Explosive Limit	ROD	Record of Decision
LTRA	Long-Term Response Action	RPM	Remedial Project Manager
MNA	Monitored Natural Attenuation	RSE	Remediation System Evaluation
NPL	National Priorities List	SVE	Soil Vapor Extraction
O&F	Operational and Functional	TI Waivers	Technical Impracticability Waivers
O&M	Operation and Maintenance	USACE	U.S. Army Corps of Engineers
OSHA	Occupational Safety and Health Administration	VEB	Vertical Engineered Barrier
OU	Operable Unit	VOCs	Volatile Organic Compounds

RECOMMENDED ANNUAL O&M /REMEDY EVALUATION CHECKLIST

Please save electronically and send this completed checklist and any attachments to the site file and site repository.

I. SIGNATURES AND APPROVALS

RPM			RPM (If appropriate)		
Name:	Robert Morse (EPA Region II)		Name:	Niels van Hoesel (FPM)	
Telephone:	212-637-3256		Telephone:	315-336-7721	
Signature:		Date:	Signature:	NvH	Date:06/01/13

State Contact (if appropriate)		
Name:	Heather Bishop (NYSDEC)	
Telephone:	518-402-9692	
Signature:		Date:

II. GENERAL SITE INFORMATION

Site Name:	Former Griffiss Air Force Base, Building 775 (On Base Groundwater Area of Concern)		
State:	NY		
Period Covered:	06/01/2012 to 06/01/2013		EPA Site ID:SD-52
Site Lead:	PRP	Other, specify:U.S. Air Force	
Organization responsible for O&M operations:	Federal Facility contractor		
Other, specify:			
Site Remedy Components (ref. Section VIII):	Hydraulic containment, pump and treat		
Preliminary Close Out Report (PCOR) date:			
Operational & Functional (O&F) date:	01/01/2009		
Last five-year review date:	04/01/2010		
NPL deletion date:	01/04/2009		
Did you make a site visit during this review?	☒ Yes ☐ No		Date: 06/01/2013
If no, why:			
Date of next planned checklist evaluation:	06/01/2014		
Location of Administrative Record/Site Files:	AFRPA AR website: http://afrpaar.lackland.af.mil/ar/		
During the site visit, was monitoring equipment operational?			☒ Yes ☐ No ☐ N/A
Please elaborate: pumps cycled properly, pressure transducers and volume gauge working properly			
Has an Optimization Study been conducted at the site?	☐ N/A ☐ Yes ☒ No		Date:
If not, is one planned?			

List all site events since the last evaluation that impact or may impact remedy performance.

Chronology of events since last report (e.g., site visits, receipt of reports, equipment failures, shutdowns, vandalism, storm events): **Typically, every two weeks the site is visited and system operation is confirmed. System operates correctly. Quarterly effluent reports are submitted to the City of Rome Water Pollution Control Facility.**

Elaborate on significant site events or visits to site:

III. DOCUMENTS AND RECORDS

Because these documents may be required for the five-year review, verify what documents are currently available on-site, or note off-site location:

Document	Required	Not required	On-site	Off-site (indicate where)
O&M Manual	☒	☐	☒	☐
O&M Maintenance Logs	☒	☐	☐	☒ FPM Field Books
O&M Annual Reports	☐	☒	☐	☐
RA as-built drawings modified during O&M	☐	☒	☐	☐
Site-Specific Health and Safety Plan	☒	☐	☐	☒ FPM Library
Contingency/Emergency Response Plan	☐	☒	☐	☐
O&M/Occupational Safety and Health Administration (OSHA) Training Records	☒	☐	☐	☒ FPM personnel records
Settlement Monument Records	☐	☒	☐	☐
Gas Generation Records	☐	☒	☐	☐
Ground Water Monitoring Records	☒	☐	☐	☒ Annual Performance Monitoring reports
Surface Water/Sediment/Fish Monitoring Records**	☐	☒	☐	☐
Cap/Cover System Inspection Records	☐	☒	☐	☐
Leachate Extraction Records	☐	☒	☐	☐
Discharge Compliance Records	☒	☐	☐	☒ Quarterly Discharge reports
Institutional Controls (ICs) Review	☒	☐	☐	☒ basewide Land Use Control/Institutional Control Report
Other(s) (Please name each)	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

** Note: A separate O&M checklist has been developed for surface water/sediment remedies. For completeness, answer this question regarding documentation requirements and availability, and enter more detailed information in the surface water/sediment checklist.

IV. ADMINISTRATIVE ISSUES

Check all that apply:	Date Initiated:
☐ Explanation of Significant Differences in progress	
☐ Record of Decision (ROD) Amendment in progress	
☒ Site in O&F period	01/01/2009
☐ Long-Term Response Action (LTRA) in progress	
☐ LTRA Transition to O&M in progress	
☐ Notice of Intent to Delete site in progress	
☐ Partial Site Deletion in progress	
☐ Technical Impracticability (TI) Waivers in progress	
☐ Reuse Assessment or Reuse Plan in progress	
☐ Revised Risk Assessment in progress ☐ Ecological OR ☐ Human Health	

☐ Other administrative issues:

VI. O&M COSTS

The purpose of this section is to document what is known about O&M costs for this site. It is realized that not all cost information will be readily available, but to the extent possible, please provide the following information, as this will help identify cost increases and flag potential budget issues before they arise.

What was the total annual O&M cost for the previous year?	60K
What is the expected total annual O&M cost for the upcoming year?	60K
Please provide an approximate breakout of the previous year's O&M costs below.	**Use either $ or %**
Analytical (e.g., lab costs):	20%
Materials (e.g., treatment chemicals, cap materials):	5%
Oversight (e.g., project management):	10%
Monitoring (e.g., ground water sampling):	25%
Utilities (e.g., electric, gas, phone, water):	30%
ICs (implementation and enforcement):	5%
Other (e.g., capital improvements, equipment repairs):	5%

Describe any unanticipated/unusually high or low O&M costs and potential future O&M funding issues.

VII. INSTITUTIONAL CONTROLS (ICs)**

The purpose of the IC evaluation at the O&M phase is to determine if the ICs are implemented, effective and durable. The following references may be useful for completing this evaluation:

- *Institutional Controls Bibliography: Institutional Control, Remedy Selection, and Post Construction Completion Guidance and Policy* (OSWER 9355.0110, December 2005);
- *Supplement to the Comprehensive Five-Year Review Guidance; Evaluation of Institutional Controls* (OSWER 9355.7-12, working draft 3/17/05);
- *National IC Strategy to Ensure Institutional Controls Implementation at Superfund Sites* (OSWER 9355.0-106, September 2004); and
- *Institutional Controls: A Site Manager's Guide to Identifying, Evaluating and Selecting Institutional Controls at Superfund and RCRA Corrective Action Cleanup* (OSWER 9355.0-7-4FS-P, September 2000).

** Note: A separate O&M checklist has been developed for surface water/sediment remedies. For completeness, answer this question regarding ICs, and enter more detailed information in the surface water/sediment checklist.

Identify each IC (media, objective, and instrument) implemented/to be implemented at the site. Attach an extra sheet if necessary. Soil/Groundwater Intrusive Work-Prior Approval, Adverse Aquifer Use Prohibited, Land-use Restriction-Protect Remedial Operations	
Are the ICs adequate to minimize the potential for human exposure and protect the integrity of the remedy? If no, please explain.	☒ Yes ☐ No
Please identify the party responsible for compliance and enforcement of the IC. U.S. Air Force	
Please describe what the ICs are intended to accomplish, who they are designed to inform, the source document for the IC, and where the IC information is located. The ICs are intended to prevent exposure and inform the public. They are located in the Annual IC reports and these documents are located on the AFRPA AR website. Latest version: http://afrpaar.lackland.af.mil/AR/getdoc/GRFIS/GRFIS_AR_1952.pdf	
Please identify the date when the ICs were implemented. If the ICs have yet to be implemented, please identify the party responsible for implementing the ICs and the scheduled implementation date. 2009	
If the ICs have been implemented, are they still in place? If the ICs remain in place, please identify whether there is a planned termination date and, if so, what it is. Yes, IC have been implemented. The termination date is to be determined.	
Are there reasons to clarify or modify the appropriate decision document(s) to improve the effectiveness and/or durability of the ICs? If yes, please explain and describe any plans to clarify/modify the document(s).	☐ Yes ☒ No

VIII. TECHNICAL DATA AND REMEDY PERFORMANCE

The purpose of this section is to help prompt questions about remedy performance over the past year, the adequacy of monitoring activities to assess remedy performance, and changes in field conditions or understanding that could affect the remedy. Specific sections also prompt questions about remedy optimization. Addressing these questions on an annual basis can help to flag opportunities and potential issues to watch in the coming year and help inform future improvements in remedy O&M. The collection of annual checklists can also serve as documentation of when a potential issue was first identified, what was done to address it, and when it was addressed. Thus, an annual checklist can be a useful, succinct source of information to help RPMs recount O&M history.

Questions for specific remedy types (e.g., ground water pump-and-treat) are contained in Appendices A through D at the end of the form. Appendix E contains general questions that can be used to document technical data and remedy performance for remedies and remedy components that do not fit within the specific categories identified in the remainder of this checklist. Identify the remedy types in Section VIII.A, below, and complete a copy of each appendix that is applicable to the site. If the site includes multiple remedies or remedy components of the same type, please complete a copy of the applicable appendix for each remedy/component (e.g., if the remedy includes two separately managed containment areas, complete two copies of Appendix C, one for each area). A separate O&M checklist has been developed for surface water/sediment remedies and remedy components. If the site includes a surface water/sediment remedy, note this below and complete the surface water/sediment checklist.

A. Please identify the type(s) of remedy(ies) this Annual O&M Remedy Evaluation Checklist addresses:

- ☒ Ground Water Pump-and-Treat (please complete Appendix A)
- ☐ Ground Water Monitored Natural Attenuation (MNA) (please complete Appendix B)
- ☐ Ground Water or Soil Containment (please complete Appendix C)
- ☐ Soil Vapor Extraction/Air Sparging (please complete Appendix D)
- ☐ Other Remedy Types (please complete Appendix E)

IX. RECOMMENDATIONS

New Recommendations, from this annual review:

Recommendation	Party Responsible	Milestone Date

APPENDICES

TECHNICAL DATA AND REMEDY PERFORMANCE ANNUAL O&M /REMEDY EVALUATION CHECKLIST

RECOMMENDED APPENDIX A. GROUND WATER PUMP-AND-TREAT REMEDIES

The following checklist is an abbreviated set of questions that could be used by an EPA RPM for annually reviewing the O&M of a ground water pump-and-treat remedy, including pump-and-treat remedies designed for hydraulic containment. This checklist was developed using concepts presented in EPA guidance, *Elements for Effective Management of Operating Pump and Treat Systems* (EPA 542-R-02-009, December 2002). This guidance is part of a series of fact sheets that EPA OSRTI has prepared as guidance to the ground water remediation community on effectively and efficiently designing and operating long-term ground water remedies. For more information, including the guidance *O&M Report Template for Ground Water Remedies (with Emphasis on Pump and Treat Systems)* (EPA 542-R-05-010, April 2005) and report *Pilot Project to Optimize Superfund-Financed Pump and Treat Systems: Summary Report and Lessons Learned* (EPA 542-R-02-008a), visit EPA's CLU-IN Website (www.cluin.org/).

A. Remedy Goals and Conceptual Site Model (CSM)

1. Review of the current remedy goals and measurements: Remedy goals may be expressed in terms of a broad, long-term purpose or intent specified in a decision document (e.g., cleanup to a specified concentration), a performance-based metric or milestone intermediate in duration (e.g., a 20% decrease in monthly influent concentrations within 24 months of operation); or a specific and short-term objective (e.g., demonstration of plume containment).

List the short-term objectives and intermediate system goals: Containment of the on-site TCE plume with concentrations above 50 ug/L. Extraction and removal of contaminated groundwater and discharge to the City of Rome sewer system for treatment.

List the final system goals: meet NYS Groundwater Standards for TCE (5 ug/L)

What metrics (performance criteria) are being implemented to measure project progress towards meeting each goal? 1) Is the entire TCE plume above 50 ug/L captured by the extraction system?

2) Are on-site monitoring well concentrations decreasing over time?

3) Are the TCE concentrations in the discharge water decreasing?

What schedule has been established for measuring and reporting each metric? 1) Semi-annually, 2) Semi-annually, 3) Quarterly

Based on new information or events since the last O&M review, is there a reason to re-evaluate the system goals? Note: this might be due to factors such as regulatory framework has been revised; better technology/strategy alternatives available; existing goals appear unrealistic; costs greater than originally anticipated; extent of plume has changed; new sources of contamination removed and/or discovered; or land use or ground water production near site has changed. If yes, identify the remedy goals that should be re-evaluated, the rationale, and any plans for re-evaluating the goals.	☐ Yes ☒ No

2. Review of changes to the CSM: The CSM is a combination of text and figures that describe the hydrogeologic system, the cause of the ground water impacts, and the fate and transport of the ground water contaminants. If monitoring data during active remediation do not agree with expectations, this could point to a gap in the conceptual model that should be addressed with a focused investigation. This does not imply a return to the "remedial investigation" phase. The CSM should evolve over time, including during active remediation, as more information about the site becomes available. The following questions may be used to evaluate the need for updating the CSM:

Since the last time you completed the O&M checklist for this system, have new contaminant sources been identified or have previously suspected contaminant sources been eliminated from further consideration? If yes, use this space to comment.	☐ Yes ☒ No
Since the last time you completed an O&M checklist for this system, have new contaminants been identified in the ground water that could affect remedy effectiveness?	☐ Yes ☒ No

If yes, use this space to comment.	
Based on your answers to the above questions, would it be useful to update the CSM at this time? If yes, please describe any plans to update the CSM.	☐ Yes ☒ No

B. Remedy Performance Assessment

1. Evaluate remedy effectiveness: The following questions are intended to review whether the ground water pump-and-treat remedy is performing as intended and whether there are opportunities for optimizing the remedy.

Plume Capture

When addressing these questions, it may be useful to refer to *A Systematic Approach for Evaluation of Capture Zones at Pump and Treat Systems* (EPA 600/R-08/003, January 2008).

Has a three-dimensional target capture zone been clearly defined? If no, use this space to explain why not.	☒ Yes ☐ No
If not clearly defined, describe plans to better define the target capture zone.	
What lines of evidence have been used to evaluate actual capture achieved (e.g., flow budget and/or capture zone width calculations, potentiometric surface maps, water elevation pairs, concentration trends at wells beyond the target capture zone, particle tracking in conjunction with ground water modeling, tracer tests)	

System Equipment/Structures (e.g., extraction wells, collection systems)

Since the last time you completed an O&M checklist for this system, has the downtime associated with non-routine operations and maintenance exceeded expectations? If yes, what systems have been responsible for unplanned downtime (e.g., extraction pumps, wastewater facilities)? If yes, what corrections have been or are being made to minimize downtime?	☐ Yes ☒ No
Since the last time you completed the O&M checklist for this remedy/remedy component, have any major repairs to the pump-and-treat system(s) been required? If yes, describe the repairs, their impact on progress toward remediation milestones, and actions taken to minimize similar repairs in the future.	☐ Yes ☒ No
Since the last time you completed an O&M checklist for this system, have the extraction/injection well rates changed significantly? If yes, describe the known/suspected source of the change, if identified. If yes, is the change reflective of a long-term condition and, if so, how will this be addressed in the O&M of the system?	☐ Yes ☒ No
Since the last time an O&M checklist was completed for this system, have air emissions from the system met permit requirements, if any? If not, what is being done to meet the permit requirements?	☐ Yes ☐ No ☒ N/A
Since the last time an O&M checklist was completed for this system, has effluent discharge met permit requirements? If not, what was (is) the problem and what was (or will be) done to correct it?	☒ Yes ☐ No

Optimization

Has an optimization study been conducted for this system?	☒ Yes ☐ No
If an optimization study has been conducted, have any of the optimization recommendations been implemented since the last time an O&M checklist was completed for this system?	☐ Yes ☒ No ☐ N/A
If optimization recommendations have been implemented (during this or prior review periods), describe any new results observed or conclusions drawn since the last time an O&M checklist was completed for this system.	

If optimization recommendations have not been implemented, why not? Recommendations were made in the Spring 2013 Annual Performance Monitoring Report, following acceptance of the site OPS report. These recommendations are still in review.

2. Evaluate collection and analysis of performance monitoring data	
Do the approaches used to interpret ground water monitoring data (e.g., concentration trend analyses, plume contour and/or bubble maps, plume cross-sections, potentiometric surface maps) provide adequate information to assess the performance of the pump-and-treat remedy? If no, describe plans, if any, to implement new approaches.	☒ Yes ☐ No
Based on information collected since the last O&M review, is there a need to re-evaluate the parameters, sampling methods, sampling frequency, and monitoring locations used to evaluate remedy performance?	☐ Yes ☒ No
Are ground water data managed electronically? If no, use this space to explain why not.	☒ Yes ☐ No
Are performance-monitoring reports of sufficient quality and frequency to evaluate the efficacy of the remedy and recognize protectiveness problems in time for effective action? If no, what actions, if any, have been taken or are planned to address this situation?	☒ Yes ☐ No
C. Cost Effectiveness	
Are actual parameters consistent with design parameters (based on process monitoring)? If not, how do they differ? (check all that apply) ☐ Influent rate to treatment plant ☐ Influent concentrations ☐ Mass loading to the system ☐ Removal efficiency for each treatment component ☐ Air to water ratio (air strippers) ☐ Materials usage (e.g., granular activated carbon (GAC), chemicals) ☐ Other (please explain)	☒ Yes ☐ No
Based on the above comparisons, have any above ground systems or process monitoring procedures been evaluated/implemented to reduce costs? If yes, please identify which of the following have been done to reduce costs. (check all that apply) ☒ Ensuring proper maintenance and efficiency of equipment ☐ Replacing treatment components with alternate technologies (e.g., replace UV/Oxidation with air stripping) or more appropriately sized components ☐ Eliminating unnecessary or redundant treatment components that are no longer needed (e.g., metals removal or GAC polishing system) ☐ Changing discharge ☒ Automating system to reduce labor ☐ Optimizing ground water extraction rates and/or locations ☐ Other (please explain)	☒ Yes ☐ No
D. Remedial Decisions: Indicate which of the following remedial decisions is appropriate at the present time and provide the basis for the decision.	
☒ No Change to the System ☐ Modify/Optimize System ☐ Modify/Optimize Monitoring Program ☐ IC Modifications ☐ Implementation of Contingency/Alternative Remedy	
Basis for decision: System operates as designed with little to no down time. The selected remedy will result in the reduction of the highest concentrations of VOCs in groundwater.	

GRIFFISS AFB OBGW AND AOC 9 NETWORK WELLS
STATUS March 2014

LANDFILL 6											
Well Name	**Well Type**	**Screened Groundwater Zone**	**Screen Interval (ft MSL)**	**Well Condition**						**Comments**	**Actions Planned**
				Bollards or flush mount	**Well Plate / Well Identification**	**Pad Condition**	**Lock**	**Well Cap**	**Dedicated Pump Condition**		
LF6VMW-13R	Stick up	Shallow	416.12 - 436.12	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
LF6VMW-13RD	Stick up	Shallow	411.51 - 431.51	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
LF6MW-16	Stick up	Shallow	408.41 - 418.41	No bollards	Painted on stickup	Good	Yes	Yes	airline too short	airline needs to be lengthened	Completed 11/15/2013
LF6MW-17	Stick up	Shallow	401.04 - 411.04	No bollards	Painted on stickup	Good	Yes	Yes	Good		
LF6MW-20	Stick up	Shallow	404.35 - 414.35	No bollards	Painted on stickup	Good	Yes	Yes	airline too short	airline needs to be lengthened	Completed 11/15/2013
LF6VMW-26	Stick up	Shallow	400.08 - 410.08	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
LF6MW-31	Stick up	Shallow	398.20 - 418.20	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
LF6TW-33	Direct push, temporary	Shallow	417.17 - 437.17	Bollards, good	Written on stickup	No pad	No	missing	Good	missing well cap	Completed 11/25/2013
LF6TW-34	Direct push, temporary	Shallow	402.60 - 422.60	Bollards, good	Written on stickup	No pad	No	Yes	Good		
LF6TW-35	Direct push, temporary	Shallow	402.39 - 422.39	Bollards, good	Written on stickup	No pad	No	Yes	Good		
LF6TW-36	Direct push, temporary	Shallow	400.08 - 420.08	Bollards, good	Written on stickup	No pad	No	Yes	Good		
LF6TW-38	Direct push, temporary	Shallow	402.35 - 422.35	Bollards, good	Written on stickup	No pad	No	Yes	Good		
LF6MW-39	Stick up	Shallow	426.70-446.70	No bollards	Painted on stickup	Good	Yes	Yes	Good		
Surface Water											
LF6-SW1 PM	Surface water	-	-	-	Stake with flag	-	-	-	-		

GRIFFISS AFB OBGW AND AOC 9 NETWORK WELLS
STATUS March 2014

Well Name	Well Type	Screened Groundwater Zone	Screen Interval (ft MSL)	Well Condition						Comments	Actions Planned
				Bollards or flush mount	Well Plate / Well Identification	Pad Condition	Lock	Well Cap	Dedicated Pump Condition		
BUILDING 817											
LAWMW-9	Stick Up	Shallow	490.84 - 500.84	Bollards, good	Painted on stickup	Good	Yes	broken	Good	The metal well cap is broken(now unable to lock)	Completed 11/15/2013
WSA-MW8	Stick Up	Shallow	506.37 - 516.37	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
WSA-MW9	Stick Up	Shallow	474.60 - 479.60	slanted bollard	Painted on stickup	Good	Yes	Yes	Good	One bollard was hit by a county mower	Bollard straightened on 4/25/14
WSA-MW16	Stick Up	Shallow	491.86 - 501.86	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
WSA-VMW17	Stick Up	Shallow	483.24 - 493.24	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
WSA-MW18	Stick Up	Shallow	499.23 - 504.23	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
WSA-MW19	Stick Up	Shallow	493.79 - 498.79	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
WSA-MW21	Stick Up	Shallow	484.72 - 494.72	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
WSA-MW23	Stick Up	Shallow	493.16 - 503.16	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
Surface Water											
WSA-SW1PM	Surface water	-	-	-	Stake with flag	-	-	-	-		
WSA-SW2PM	Surface water	-	-	-	Stake with flag	-	-	-	-		
WSA-SW3PM	Surface water	-	-	-	Stake with flag	-	-	-	-		
Injection Pts											
B817-MW-001	Stick Up	Shallow	10-20*	No bollards	Written on stickup	No pad	No	Yes	-	j-plug missing	Completed 11/12/2013
B817-MW-002	Stick Up	Shallow	7-17*	No bollards	Written on stickup	No pad	No	Yes	-	riser is broke and bent, unable to use waterlevel meter	Repaired by Parsons on 11/12/13
B817-MW-003	Stick Up	Shallow	10-20*	No bollards	Written on stickup	No pad	No	Yes	-	needs to be labeled	All 3 injection pts labeled on 11/12/13

GRIFFISS AFB OBGW AND AOC 9 NETWORK WELLS
STATUS March 2014

Well Name	Well Type	Screened Groundwater Zone	Screen Interval (ft MSL)	Well Condition						Comments	Actions Planned
				Bollards or flush mount	Well Plate / Well Identification	Pad Condition	Lock	Well Cap	Dedicated Pump Condition		
BUILDING 775											
775VMW-4	Stick Up	Shallow	447.64 - 457.64	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
775VMW-5	Stick Up	Shallow	442.94 - 452.94	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
775MW-6	Stick Up	Shallow	439.18 - 449.18	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
775VMW-8	Stick Up	Shallow	439.29 - 449.29	Bollards, bad	Painted on stickup	Good	Yes	Yes	poor check valve	need to replace poor check valve	Completed 11/25/2013
775VMW-9	Stick Up	Shallow	412.92 - 427.92	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
775VMW-10	Stick Up	Shallow	412.14 - 427.14	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
775VMW-19R	Stick Up	Shallow	440.58-460.58	Bollards, good	Painted on stickup	Good	Yes	Yes	Good	teflon in water line is peeling	Repaired 11/15/2013
775MW-20	Stick Up	Shallow	398.33 - 408.33	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
775VMW-20R	Stick Up	Shallow	403.85 - 413.85	Bollards, good	Painted on stickup	Good	Yes	Yes	Good		
775MW-27	Flush Mount	Shallow	435.19 - 455.19	Flush Mount	Spray painted on ground	Good	Yes	poor	pump is stuck in place	Needs bolts for manhole cover. Also bad check valve	Not completed, unable to repair check valve. Well is usable as is. Bolts installed and spray painted on 4/25/14.
775MW-28	Stick Up	Shallow	424.72 - 444.72	Bollards, good	Painted on stickup	Good	Yes	Yes	Good	replace air line, large leak	Completed 11/15/2013
775EW-1	Flush Mount	Shallow	436.56-456.56	Flush Mount	Spray painted on ground	Good	Yes	poor	Good	well needs new j-plug (3")	Ordered J-plug was deficient. Will be corrected ASAP. Spray painted on 4/25/14
Effluent Sample 1	discharge	-	-	-	-	-	-	-	-		

GRIFFISS AFB OBGW AND AOC 9 NETWORK WELLS
STATUS March 2014

Well Name	Well Type	Screened Groundwater Zone	Screen Interval (ft MSL)	Well Condition						Comments	Actions Planned
				Bollards or flush mount	Well Plate / Well Identification	Pad Condition	Lock	Well Cap	Dedicated Pump Condition		
APRON 2											
AP2MW-3	Flush Mount	Shallow	432.41 - 446.97	flush mount	Spray painted on ground	Good	Yes	Yes	Good	needs to be labeled	Spray painted on 4/25/14
782VMW-76	Flush Mount	Shallow	434.86 - 444.86	flush mount	Spray painted on ground	Good	Yes	Yes	Good	flush mount cap is not flush with concrete in airfield	
782VMW-78	Stick Up	Shallow	436.26 - 446.26	bollards, good	Painted on stickup	Good	Yes	Yes	Good		
782VMW-81	Stick Up	Shallow	427.71 - 437.71	bollards, good	Painted on stickup	Good	Yes	Yes	Good	teflon in water line is peeling	
782VMW-84	Flush Mount	Shallow	431.9 - 441.9	flush mount	Spray painted on ground	Good	Yes	Yes	Good	needs to be labeled	Spray painted on 4/25/14
782VMW-84D	Flush Mount	Shallow	419.57-434.57	flush mount	Spray painted on ground	Good	Yes	Yes	Good	needs to be labeled	Spray painted on 4/25/14
782VMW-93	Flush Mount	Shallow	437.79 - 447.79	flush mount	Spray painted on ground	Cracked	No	Yes	Stuck, well not sampled.	needs to be labeled	Spray painted on 4/25/14
782VMW-96	Flush Mount	Shallow	434.13 - 444.13	flush mount	Spray painted on ground	Good	Yes	Yes	Good	needs to be labeled	Spray painted on 4/25/14
782VMW-98	Stick Up	Shallow	442.06 - 452.06	bollards, good	Painted on stickup	Good	Yes	Yes	Good		
782VMW-100	Stick Up	Shallow	432.10- 447.10	bollards, good	Painted on stickup	Good	Yes	Yes	Good		
782VMW-101	Stick Up	Shallow	429.11 - 444.11	bollards, good	Painted on stickup	Good	Yes	Yes	Good		
782VMW-105B	Stick Up	Shallow	435.37 -450.37	loose bollard	Painted on stickup	Good	Yes	Yes	Good	loose bollard, teflon peeling in water line	Bollard is ok, waterline repaired 11/15/13
782MW-10	Flush Mount	Shallow	443.79 -458.79	flush mount	Spray painted on ground	Good	Yes	Yes	Good	needs to be labeled	Spray painted on 4/25/14
782VMW-121	Stick Up	Shallow	433.06-448.06	bollards, good	Painted on stickup	Good	Yes	Yes	Good		
782VMW-121D	Stick Up	Shallow	427.81-437.81	bollards, good	Painted on stickup	Good	Yes	Yes	Good		
Surface Water											
782SW-115	Surface water	-	-	-	Stake with flag	-	-	-	-		
782SW-118	Surface water	-	-	-	Stake with flag	-	-	-	-		
782SW-119	Surface water	-	-	-	Stake with flag	-	-	-	-		

GRIFFISS AFB OBGW AND AOC 9 NETWORK WELLS
STATUS March 2014

Well Name	Well Type	Screened Groundwater Zone	Screen Interval (ft MSL)	Well Condition						Comments	Actions Planned
				Bollards or flush mount	Well Plate / Well Identification	Pad Condition	Lock	Well Cap	Dedicated Pump Condition		
AOC 9											
G009-MW01	Stick Up	Shallow	4.0-9.0 ft bgs	bollards, good							
G009-MW02	Stick Up	Shallow	4.0-9.0 ft bgs	bollards, good							
G009-MW03	Stick Up	Shallow	4.0-9.0 ft bgs	bollards, good							
G009-MW04	Stick Up	Shallow	6.7-16.7 ft bgs	bollards, poor							
AOC9-MW05	Flush Mount	Shallow	4.0-14.0 ft bgs	flush mount							
AOC9-MW06	Stick Up	Shallow	4.2-14.2 ft bgs	bollards, poor							
AOC9-MW07	Stick Up	Shallow	4.2-9.2 ft bgs	bollards, good							
AOC9-MW08	Stick Up	Shallow	15.4-20.4 ft bgs	bollards, good							
AOC9-MW12	Flush Mount	Shallow	10.0-20.0 ft bgs	flush mount							
AOC9-MW13	Stick Up	Shallow	10.0-20.0 ft bgs	bollards, good							
AOC9-MW14	Stick Up	Shallow	14.0-24.0 ft bgs	bollards, good							
AOC9-MW15	Stick Up	Shallow	9.0-14.0 ft bgs	bollards, good							
AOC9-MW16	Stick Up	Shallow	9.0-14.0 ft bgs	bollards, good							
AOC9-MW17	Stick Up	Shallow	9.0-14.0 ft bgs	bollards, good							
AOC9-MW18	Stick Up	Shallow	9.0-19.0 ft bgs	bollards, good							
AOC9-MW19	Flush Mount	Shallow	9.0-19.0 ft bgs	flush mount							
Surface Water											
AOC9-SW01			--								
AOC9-SW02			--								
AOC9-SW03			--								

Notes:
bgs = below ground surface
Ft = feet
* = screen below ground surface. Wells were intentended to be temporary wells and were not surveyed.

MAROS Mann-Kendall Statistics Summary

Project: Building 775
User Name: Josh Wenzel
Location: Griffiss AFB
State: New York

Time Period: 8/1/1997 **to** 3/11/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
TRICHLOROETHYLENE (TCE)								
775EW-1	T	10	0	0.00	0	46.4%	Yes	ND
775MW-20	T	14	14	0.65	-31	95.0%	No	D
775MW-27	T	12	11	0.67	-44	99.9%	No	D
775MW-28	T	12	12	1.41	12	77.0%	No	NT
775MW-6	T	15	15	0.63	-47	99.0%	No	D
775VMW-10	T	14	14	0.59	-51	99.8%	No	D
775VMW-19R	T	11	1	0.97	8	70.3%	No	NT
775VMW-20R	T	6	0	0.00	0	42.3%	Yes	ND
775VMW-4	S	8	8	0.64	0	45.2%	No	S
775VMW-5	S	15	15	0.33	-61	99.9%	No	D
775VMW-8	T	15	15	1.07	-75	100.0%	No	D
775VMW-9	T	9	9	2.45	-6	69.4%	No	NT

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)- Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Linear Regression Statistics Summary

Project: Building 775

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Time Period: 8/1/1997 **to** 3/11/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
TRICHLOROETHYLENE (TCE)									
775EW-1	T	2.7E-05	2.7E-05	7.1E-21	Yes	0.0E+00	0.00	100.0%	ND
775MW-20	T	4.8E-02	4.1E-02	3.1E-02	No	-3.7E-04	0.65	99.4%	D
775MW-27	T	2.9E-02	2.4E-02	2.0E-02	No	-1.9E-03	0.67	98.3%	D
775MW-28	T	3.1E-03	1.2E-03	4.4E-03	No	-2.8E-05	1.41	51.6%	NT
775MW-6	T	2.7E-02	1.9E-02	1.7E-02	No	-1.7E-04	0.63	98.9%	D
775VMW-10	T	6.2E-02	4.5E-02	3.7E-02	No	-2.2E-04	0.59	100.0%	D
775VMW-19R	T	3.8E-05	2.7E-05	3.7E-05	No	4.1E-04	0.97	90.2%	PI
775VMW-20R	T	2.7E-05	2.7E-05	3.7E-21	Yes	0.0E+00	0.00	100.0%	ND
775VMW-4	S	7.2E-03	6.1E-03	4.6E-03	No	-5.1E-05	0.64	68.7%	S
775VMW-5	S	7.9E-02	7.2E-02	2.6E-02	No	-1.3E-04	0.33	100.0%	D
775VMW-8	T	4.9E-02	3.2E-02	5.2E-02	No	-4.0E-04	1.07	100.0%	D
775VMW-9	T	2.7E-03	5.1E-04	6.5E-03	No	-4.3E-04	2.45	96.8%	D

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Non-detect (ND); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); COV = Coefficient of Variation

MAROS Statistical Trend Analysis Summary

Project: Building 775

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Time Period: 8/1/1997 **to** 3/11/2013

Consolidation Period: No Time Consolidation

Consolidation Type: Median

Duplicate Consolidation: Average

ND Values: Specified Detection Limit

J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Average Conc. (mg/L)	Median Conc. (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
TRICHLOROETHYLENE (TCE)								
775EW-1	T	10	0	2.7E-05	2.7E-05	Yes	ND	ND
775MW-20	T	14	14	4.8E-02	4.1E-02	No	D	D
775MW-27	T	12	11	2.9E-02	2.4E-02	No	D	D
775MW-28	T	12	12	3.1E-03	1.2E-03	No	NT	NT
775MW-6	T	15	15	2.7E-02	1.9E-02	No	D	D
775VMW-10	T	14	14	6.2E-02	4.5E-02	No	D	D
775VMW-19R	T	11	1	3.8E-05	2.7E-05	No	NT	PI
775VMW-20R	T	6	0	2.7E-05	2.7E-05	Yes	ND	ND
775VMW-4	S	8	8	7.2E-03	6.1E-03	No	S	S
775VMW-5	S	15	15	7.9E-02	7.2E-02	No	D	D
775VMW-8	T	15	15	4.9E-02	3.2E-02	No	D	D
775VMW-9	T	9	9	2.7E-03	5.1E-04	No	NT	D

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); No Detectable Concentration (NDC)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Spatial Moment Analysis Summary

Project: Building 775

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (Kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
TRICHLOROETHYLENE (TCE)							
11/2/2006	3.1E+01	1,154,239	1,154,228	26,356	43,700,485	46,675,551	9
1/12/2009	1.0E+01	1,148,395	1,160,329	17,907	14,854,897	15,275,222	10
4/9/2009	1.2E+02	1,149,203	1,159,493	19,070	12,203,268	13,103,354	9
6/18/2009	1.2E+02	1,148,843	1,159,870	18,549	8,621,693	9,087,495	9
9/22/2009	1.1E+01	1,148,431	1,160,283	17,966	13,502,436	13,716,121	12
4/16/2010	8.9E+01	1,148,962	1,159,760	18,710	9,836,140	10,504,497	9
9/27/2010	9.5E+00	1,148,586	1,160,120	18,190	14,040,904	14,390,984	12
4/4/2011	7.8E+01	1,149,537	1,159,145	19,552	15,708,588	16,872,574	9
9/8/2011	9.6E+00	1,148,578	1,160,121	18,184	14,981,427	15,372,164	12
4/12/2012	7.3E+01	1,149,560	1,159,119	19,587	16,008,026	17,139,470	9
9/24/2012	9.5E+00	1,149,482	1,159,200	19,475	21,763,710	22,750,124	12
3/11/2013	1.3E+01	1,153,819	1,154,616	25,784	42,528,359	46,461,671	9

Project: Building 775

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	TRICHLOROETHYLENE (TCE)	0.95	-18	87.5%	S
1st Moment: Distance to Source					
	TRICHLOROETHYLENE (TCE)	0.15	16	84.5%	NT
2nd Moment: Sigma XX					
	TRICHLOROETHYLENE (TCE)	0.62	26	95.7%	I
2nd Moment: Sigma YY					
	TRICHLOROETHYLENE (TCE)	0.64	26	95.7%	I

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.35 **Saturated Thickness:** Uniform: 20 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

Note: The Sigma XX and Sigma YY components are estimated using the given field coordinate system and then rotated to align with the estimated groundwater flow direction. Moments are not calculated for sample events with less than 6 wells.

MAROS Plume Analysis Summary

Project: Building 775
Location: Griffiss AFB

User Name: Josh Wenzel
State: New York

Time Period: 8/1/1997 **to** 3/11/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
TRICHLOROETHYLENE (TCE)											
	775EW-1	T	10	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	775MW-20	T	14	14	4.8E-02	4.1E-02	No	D	D	N/A	N/A
	775MW-27	T	12	11	2.9E-02	2.4E-02	No	D	D	N/A	N/A
	775MW-28	T	12	12	3.1E-03	1.2E-03	No	NT	NT	N/A	N/A
	775MW-6	T	15	15	2.7E-02	1.9E-02	No	D	D	N/A	N/A
	775VMW-10	T	14	14	6.2E-02	4.5E-02	No	D	D	N/A	N/A
	775VMW-19R	T	11	1	3.8E-05	2.7E-05	No	NT	PI	N/A	N/A
	775VMW-20R	T	6	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	775VMW-4	S	8	8	7.2E-03	6.1E-03	No	S	S	N/A	N/A
	775VMW-5	S	15	15	7.9E-02	7.2E-02	No	D	D	N/A	N/A
	775VMW-8	T	15	15	4.9E-02	3.2E-02	No	D	D	N/A	N/A
	775VMW-9	T	9	9	2.7E-03	5.1E-04	No	NT	D	N/A	N/A

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Site Results

Project: Building 775

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

User Defined Site and Data Assumptions:

Hydrogeology and Plume Information:

Groundwater Seepage Velocity: 13.8 ft/yr

Current Plume Length: 250 ft

Current Plume Width 700 ft

Number of Tail Wells: 10

Number of Source Wells: 2

Source Information:

Source Treatment: Pump and Treat

NAPL is not observed at this site.

Down-gradient Information:

Distance from Edge of Tail to Nearest:

Down-gradient receptor: 1500 ft

Down-gradient property: 1500 ft

Distance from Source to Nearest:

Down-gradient receptor: 2200 ft

Down-gradient property: 2200 ft

Data Consolidation Assumptions:

Time Period: 8/1/1997 **to** 3/11/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Plume Information Weighting Assumptions:

Consolidation Step 1. Weight Plume Information by Chemical
Summary Weighting: Weighting Applied to All Chemicals Equally
Consolidation Step 2. Weight Well Information by Chemical
Well Weighting: No Weighting of Wells was Applied.
Chemical Weighting: No Weighting of Chemicals was Applied.

Note: These assumptions were made when consolidating the historical montoring data and lumping the Wells and COCs.

1. Compliance Monitoring/Remediation Optimization Results:

Preliminary Monitoring System Optimization Results: Based on site classification, source treatment and Monitoring System Category the following suggestions are made for site Sampling Frequency, Duration of Sampling before reassessment, and Well Density. These criteria take into consideration: Plume Stability, Type of Plume, and Groundwater Velocity.

COC	Tail Stability	Source Stability	Level of Effort	Sampling Duration	Sampling Frequency	Sampling Density
TRICHLOROETHYLENE (TCE)	PD	PD	L	Continue remediation mechanism unitl reach stable trend or	No Recommendation	14

Note:

Plume Status: (I) Increasing; (PI)Probably Increasing; (S) Stable; (NT) No Trend; (PD) Probably Decreasing; (D) Decreasing

Design Categories: (E) Extensive; (M) Moderate; (L) Limited (N/A) Not Applicable, Insufficient Data Available

Level of Monitoring Effort Indicated by Analysi Limited

2. Spatial Moment Analysis Results:

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	TRICHLOROETHYLENE (TCE)	1.35	59	98.7%	I
1st Moment: Distance to Source					
	TRICHLOROETHYLENE (TCE)	0.33	28	95.0%	I
2nd Moment: Sigma XX					
	TRICHLOROETHYLENE (TCE)	0.71	38	98.9%	I
2nd Moment: Sigma YY					
	TRICHLOROETHYLENE (TCE)	0.73	38	98.9%	I

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.35 **Saturated Thickness:** Uniform: 20 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

MAROS Sampling Location Optimization Results

Project: Building 775 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 7 (11/2/2006) **to** Sample Event 18 (3/11/2013)

Parameters used:

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
TRICHLOROETHYLENE (TCE)	0.1	0.01	0.95	0.95

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
TRICHLOROETHYLENE (TCE)							
775EW-1	1135795.00	1173032.38	☑	0.875	0.871	0.882	☐
775MW-20	1135687.13	1172599.00	☑	0.219	0.004	0.518	☐
775MW-27	1173004.25	1135837.00	☑	0.753	0.089	0.870	☐
775MW-28	1172500.75	1134993.38	☑	0.234	0.032	0.850	☐
775MW-6	1135630.75	1173122.75	☑	0.386	0.089	0.513	☐
775VMW-10	1135613.75	1172769.13	☑	0.134	0.012	0.251	☐
775VMW-19R	1172791.00	1135700.25	☑	0.809	0.588	0.873	☐
775VMW-20R	1135888.25	1172500.00	☑	0.880	0.869	0.886	☐
775VMW-4	1135812.50	1173226.63	☑	0.057	0.009	0.253	☐
775VMW-5	1135889.75	1173146.88	☑	0.443	0.218	0.504	☐
775VMW-8	1135802.75	1172910.38	☑	0.289	0.134	0.370	☐
775VMW-9	1135482.25	1172920.38	☑	0.527	0.502	0.590	☐

Note: The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event; the larger the SF value of a well, the more important the well is and vice versa; the Average Slope Factor measures the overall well importance in the selected time period; the state coordinates system (i.e., X and Y refer to Easting and Northing respectively) or local coordinates systems may be used; wells that are NOT selected for analysis are not shown above.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Frequency Optimization Results

Project: Building 775 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

The Overall Number of Sampling Events: 18

"Recent Period" defined by events: **From** Sample Event 7 (11/2/2006) **To** Sample Event 18 (3/11/2013)

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
TRICHLOROETHYLENE (TCE)	0.005	0.0025	0.005	0.01

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
TRICHLOROETHYLENE (TCE)			
775EW-1	Biennial	Annual	Annual
775MW-20	Annual	Annual	Annual
775MW-27	Annual	Annual	Annual
775MW-28	Annual	Annual	Annual
775MW-6	Annual	Annual	Annual
775VMW-10	Annual	Annual	Annual
775VMW-19R	Biennial	Annual	Annual
775VMW-20R	Biennial	Annual	Annual
775VMW-4	Annual	Annual	Annual
775VMW-5	Annual	Annual	Annual
775VMW-8	Annual	Annual	Annual
775VMW-9	Biennial	Annual	Annual

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.

MAROS Mann-Kendall Statistics Summary

Project: Apron 2
User Name: Josh Wenzel
Location: Griffiss AFB
State: New York

Time Period: 10/1/1999 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
cis-1,2-DICHLOROETHYLENE								
782MW-10	T	24	24	0.40	-130	100.0%	No	D
782VMW-100	T	18	0	0.00	0	48.5%	Yes	ND
782VMW-101	T	23	2	0.62	-17	66.2%	No	S
782VMW-105B	S	23	23	0.67	-16	65.3%	No	S
782VMW-121	T	12	0	0.00	0	47.3%	Yes	ND
782VMW-121D	T	12	2	0.71	15	82.8%	No	NT
782VMW-76	T	23	22	0.41	-121	100.0%	No	D
782VMW-78	T	23	23	0.17	-64	95.2%	No	D
782VMW-81	S	23	23	0.23	44	87.1%	No	NT
782VMW-84	T	23	22	0.72	-54	91.8%	No	PD
782VMW-84D	T	9	6	0.80	19	97.0%	No	I
782VMW-93	T	18	2	1.90	-3	53.0%	No	NT
782VMW-96	T	18	0	0.00	0	48.5%	Yes	ND
782VMW-98	S	6	0	0.00	0	42.3%	Yes	ND
AP2MW-3	T	12	0	0.00	0	47.3%	Yes	ND
TRICHLOROETHYLENE (TCE)								
782MW-10	T	24	1	1.60	-19	67.1%	No	NT
782VMW-100	T	18	0	0.00	0	48.5%	Yes	ND
782VMW-101	T	23	0	0.00	0	48.9%	Yes	ND
782VMW-105B	S	23	23	0.43	-46	88.1%	No	S
782VMW-121	T	12	0	0.00	0	47.3%	Yes	ND
782VMW-121D	T	12	0	0.00	0	47.3%	Yes	ND
782VMW-76	T	23	0	0.00	0	48.9%	Yes	ND
782VMW-78	T	23	1	1.09	-20	69.0%	No	NT
782VMW-81	S	23	15	0.96	-181	100.0%	No	D
782VMW-84	T	23	1	1.61	-20	69.0%	No	NT
782VMW-84D	T	9	0	0.00	0	46.0%	Yes	ND
782VMW-93	T	18	0	0.00	0	48.5%	Yes	ND
782VMW-96	T	18	1	2.67	-15	70.0%	No	NT
782VMW-98	S	6	0	0.00	0	42.3%	Yes	ND
AP2MW-3	T	12	0	0.00	0	47.3%	Yes	ND
VINYL CHLORIDE								
782MW-10	T	24	16	0.84	-156	100.0%	No	D
782VMW-100	T	18	0	0.00	0	48.5%	Yes	ND
782VMW-101	T	22	22	0.72	53	92.8%	No	PI
782VMW-105B	S	23	4	2.31	12	61.3%	No	NT

Project: Apron 2

User Name: Josh Wenzel

Location: Griffiss AFB

State: New York

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
VINYL CHLORIDE								
782VMW-121	T	12	12	0.24	-23	93.3%	No	PD
782VMW-121D	T	12	12	0.18	6	63.1%	No	NT
782VMW-76	T	23	22	0.40	-110	99.9%	No	D
782VMW-78	T	23	23	0.50	-134	100.0%	No	D
782VMW-81	S	23	22	0.60	-147	100.0%	No	D
782VMW-84	T	23	22	0.32	-70	96.6%	No	D
782VMW-84D	T	9	8	0.73	12	87.0%	No	NT
782VMW-93	T	18	18	0.53	-84	100.0%	No	D
782VMW-96	T	18	18	0.41	-83	99.9%	No	D
782VMW-98	S	6	0	0.00	0	42.3%	Yes	ND
AP2MW-3	T	12	0	0.00	0	47.3%	Yes	ND

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)- Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Linear Regression Statistics Summary

Project: Apron 2
User Name: Josh Wenzel
Location: Griffiss AFB
State: New York

Time Period: 10/1/1999 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
cis-1,2-DICHLOROETHYLENE									
782MW-10	T	4.3E-02	4.1E-02	1.7E-02	No	-2.1E-04	0.40	99.9%	D
782VMW-100	T	3.2E-05	3.2E-05	0.0E+00	Yes	0.0E+00	0.00	100.0%	ND
782VMW-101	T	3.9E-05	3.2E-05	2.4E-05	No	-6.4E-05	0.62	86.2%	S
782VMW-105B	S	4.1E-03	3.2E-03	2.8E-03	No	-8.2E-06	0.67	100.0%	D
782VMW-121	T	3.2E-05	3.2E-05	0.0E+00	Yes	0.0E+00	0.00	100.0%	ND
782VMW-121	T	4.6E-05	3.2E-05	3.2E-05	No	4.7E-04	0.71	96.1%	I
782VMW-76	T	1.1E-03	9.9E-04	4.6E-04	No	-2.4E-04	0.41	96.7%	D
782VMW-78	T	4.9E-02	4.6E-02	8.2E-03	No	-5.2E-05	0.17	97.7%	D
782VMW-81	S	2.2E-02	2.3E-02	5.2E-03	No	5.4E-05	0.23	90.2%	PI
782VMW-84	T	7.3E-04	5.9E-04	5.2E-04	No	-2.0E-04	0.72	93.8%	PD
782VMW-84D	T	2.0E-04	1.4E-04	1.6E-04	No	1.5E-03	0.80	96.7%	I
782VMW-93	T	7.0E-05	3.2E-05	1.3E-04	No	7.3E-05	1.90	66.2%	NT
782VMW-96	T	3.2E-05	3.2E-05	0.0E+00	Yes	0.0E+00	0.00	100.0%	ND
782VMW-98	S	3.2E-05	3.2E-05	0.0E+00	Yes	0.0E+00	0.00	100.0%	ND
AP2MW-3	T	3.2E-05	3.2E-05	0.0E+00	Yes	0.0E+00	0.00	100.0%	ND
TRICHLOROETHYLENE (TCE)									
782MW-10	T	4.0E-05	2.7E-05	6.4E-05	No	-8.6E-05	1.60	86.4%	NT
782VMW-100	T	2.7E-05	2.7E-05	1.0E-20	Yes	0.0E+00	0.00	100.0%	ND
782VMW-101	T	2.7E-05	2.7E-05	1.0E-20	Yes	0.0E+00	0.00	100.0%	ND
782VMW-105B	S	2.6E-02	2.6E-02	1.1E-02	No	-9.1E-05	0.43	84.8%	S
782VMW-121	T	2.7E-05	2.7E-05	1.1E-20	Yes	0.0E+00	0.00	100.0%	ND
782VMW-121	T	2.7E-05	2.7E-05	1.1E-20	Yes	0.0E+00	0.00	100.0%	ND
782VMW-76	T	2.7E-05	2.7E-05	1.0E-20	Yes	0.0E+00	0.00	100.0%	ND
782VMW-78	T	3.5E-05	2.7E-05	3.8E-05	No	-9.1E-05	1.09	90.0%	PD
782VMW-81	S	7.0E-03	4.9E-03	6.8E-03	No	-2.0E-03	0.96	100.0%	D
782VMW-84	T	4.1E-05	2.7E-05	6.5E-05	No	-1.1E-04	1.61	90.0%	PD
782VMW-84D	T	2.7E-05	2.7E-05	7.2E-21	Yes	0.0E+00	0.00	100.0%	ND
782VMW-93	T	2.7E-05	2.7E-05	1.0E-20	Yes	0.0E+00	0.00	100.0%	ND
782VMW-96	T	7.3E-05	2.7E-05	1.9E-04	No	-1.6E-04	2.67	84.9%	NT
782VMW-98	S	2.7E-05	2.7E-05	3.7E-21	Yes	2.6E-34	0.00	100.0%	ND
AP2MW-3	T	2.7E-05	2.7E-05	1.1E-20	Yes	3.9E-34	0.00	100.0%	ND
VINYL CHLORIDE									
782MW-10	T	1.3E-02	1.5E-02	1.1E-02	No	-1.7E-03	0.84	100.0%	D
782VMW-100	T	3.8E-05	3.8E-05	7.0E-21	Yes	0.0E+00	0.00	100.0%	ND
782VMW-101	T	2.0E-03	1.9E-03	1.4E-03	No	1.3E-04	0.72	86.9%	NT
782VMW-105B	S	1.3E-03	3.8E-05	3.0E-03	No	3.1E-04	2.31	81.8%	NT
782VMW-121	T	1.7E-02	1.7E-02	4.2E-03	No	-1.4E-04	0.24	84.6%	S

Project: Apron 2 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
VINYL CHLORIDE									
782VMW-121	T	1.8E-02	1.8E-02	3.1E-03	No	3.0E-05	0.18	61.7%	NT
782VMW-76	T	1.2E-02	1.3E-02	5.0E-03	No	-2.4E-04	0.40	87.3%	S
782VMW-78	T	1.3E-02	1.1E-02	6.3E-03	No	-2.4E-04	0.50	99.9%	D
782VMW-81	S	7.0E-03	5.7E-03	4.2E-03	No	-7.4E-05	0.60	64.2%	S
782VMW-84	T	4.3E-02	4.0E-02	1.4E-02	No	-2.0E-04	0.32	78.6%	S
782VMW-84D	T	1.6E-02	1.3E-02	1.1E-02	No	2.1E-03	0.73	89.5%	NT
782VMW-93	T	5.8E-02	5.7E-02	3.1E-02	No	-4.4E-04	0.53	98.0%	D
782VMW-96	T	8.0E-02	7.5E-02	3.3E-02	No	-2.6E-04	0.41	100.0%	D
782VMW-98	S	3.8E-05	3.8E-05	0.0E+00	Yes	2.6E-34	0.00	100.0%	ND
AP2MW-3	T	3.8E-05	3.8E-05	7.1E-21	Yes	3.9E-34	0.00	100.0%	ND

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Non-detect (ND); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); COV = Coefficient of Variation

MAROS Statistical Trend Analysis Summary

Project: Apron 2

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Time Period: 10/1/1999 **to** 3/12/2013

Consolidation Period: No Time Consolidation

Consolidation Type: Median

Duplicate Consolidation: Average

ND Values: Specified Detection Limit

J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Average Conc. (mg/L)	Median Conc. (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
cis-1,2-DICHLOROETHYLENE								
782MW-10	T	24	24	4.3E-02	4.1E-02	No	D	D
782VMW-100	T	18	0	3.2E-05	3.2E-05	Yes	ND	ND
782VMW-101	T	23	2	3.9E-05	3.2E-05	No	S	S
782VMW-105B	S	23	23	4.1E-03	3.2E-03	No	S	D
782VMW-121	T	12	0	3.2E-05	3.2E-05	Yes	ND	ND
782VMW-121D	T	12	2	4.6E-05	3.2E-05	No	NT	I
782VMW-76	T	23	22	1.1E-03	9.9E-04	No	D	D
782VMW-78	T	23	23	4.9E-02	4.6E-02	No	D	D
782VMW-81	S	23	23	2.2E-02	2.3E-02	No	NT	PI
782VMW-84	T	23	22	7.3E-04	5.9E-04	No	PD	PD
782VMW-84D	T	9	6	2.0E-04	1.4E-04	No	I	I
782VMW-93	T	18	2	7.0E-05	3.2E-05	No	NT	NT
782VMW-96	T	18	0	3.2E-05	3.2E-05	Yes	ND	ND
782VMW-98	S	6	0	3.2E-05	3.2E-05	Yes	ND	ND
AP2MW-3	T	12	0	3.2E-05	3.2E-05	Yes	ND	ND
TRICHLOROETHYLENE (TCE)								
782MW-10	T	24	1	4.0E-05	2.7E-05	No	NT	NT
782VMW-100	T	18	0	2.7E-05	2.7E-05	Yes	ND	ND
782VMW-101	T	23	0	2.7E-05	2.7E-05	Yes	ND	ND
782VMW-105B	S	23	23	2.6E-02	2.6E-02	No	S	S
782VMW-121	T	12	0	2.7E-05	2.7E-05	Yes	ND	ND
782VMW-121D	T	12	0	2.7E-05	2.7E-05	Yes	ND	ND
782VMW-76	T	23	0	2.7E-05	2.7E-05	Yes	ND	ND
782VMW-78	T	23	1	3.5E-05	2.7E-05	No	NT	PD
782VMW-81	S	23	15	7.0E-03	4.9E-03	No	D	D
782VMW-84	T	23	1	4.1E-05	2.7E-05	No	NT	PD
782VMW-84D	T	9	0	2.7E-05	2.7E-05	Yes	ND	ND
782VMW-93	T	18	0	2.7E-05	2.7E-05	Yes	ND	ND
782VMW-96	T	18	1	7.3E-05	2.7E-05	No	NT	NT
782VMW-98	S	6	0	2.7E-05	2.7E-05	Yes	ND	ND
AP2MW-3	T	12	0	2.7E-05	2.7E-05	Yes	ND	ND
VINYL CHLORIDE								
782MW-10	T	24	16	1.3E-02	1.5E-02	No	D	D

MAROS Statistical Trend Analysis Summary

Well	Source/ Tail	Number of Samples	Number of Detects	Average Conc. (mg/L)	Median Conc. (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
VINYL CHLORIDE								
782VMW-100	T	18	0	3.8E-05	3.8E-05	Yes	ND	ND
782VMW-101	T	22	22	2.0E-03	1.9E-03	No	PI	NT
782VMW-105B	S	23	4	1.3E-03	3.8E-05	No	NT	NT
782VMW-121	T	12	12	1.7E-02	1.7E-02	No	PD	S
782VMW-121D	T	12	12	1.8E-02	1.8E-02	No	NT	NT
782VMW-76	T	23	22	1.2E-02	1.3E-02	No	D	S
782VMW-78	T	23	23	1.3E-02	1.1E-02	No	D	D
782VMW-81	S	23	22	7.0E-03	5.7E-03	No	D	S
782VMW-84	T	23	22	4.3E-02	4.0E-02	No	D	S
782VMW-84D	T	9	8	1.6E-02	1.3E-02	No	NT	NT
782VMW-93	T	18	18	5.8E-02	5.7E-02	No	D	D
782VMW-96	T	18	18	8.0E-02	7.5E-02	No	D	D
782VMW-98	S	6	0	3.8E-05	3.8E-05	Yes	ND	ND
AP2MW-3	T	12	0	3.8E-05	3.8E-05	Yes	ND	ND

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); No Detectable Concentration (NDC)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Spatial Moment Analysis Summary

Project: Apron 2

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (Kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
cis-1,2-DICHLOROETHYLENE							
10/1/1999	0.0E+00						1
2/26/2002	1.4E-01	1,137,230	1,174,495	911	115,147	13,766	9
2/4/2003	9.9E-02	1,137,205	1,174,500	892	102,700	14,085	9
6/27/2003	8.8E-02	1,137,204	1,174,492	888	133,542	20,027	12
9/17/2003	1.2E-01	1,137,129	1,174,459	806	122,064	16,887	12
12/10/2003	1.0E-01	1,137,156	1,174,473	836	118,825	18,327	12
4/1/2004	1.2E-01	1,137,107	1,174,455	785	109,710	15,861	12
7/1/2004	1.1E-01	1,137,140	1,174,459	816	100,356	10,928	10
9/22/2004	1.0E-01	1,137,175	1,174,472	852	121,675	13,122	11
12/28/2004	8.9E-02	1,137,193	1,174,491	878	96,486	13,083	9
4/5/2005	8.3E-02	1,137,229	1,174,504	915	124,092	14,768	10
11/14/2006	5.4E-02	1,137,247	1,174,512	935	106,499	19,971	10
9/24/2008	7.9E-02	1,137,123	1,174,453	798	126,874	16,603	15
12/30/2008	5.4E-02	1,137,203	1,174,512	898	76,855	9,617	12
4/15/2009	9.3E-02	1,137,120	1,174,453	795	92,222	9,463	13
6/16/2009	1.1E-01	1,137,176	1,174,468	851	101,791	10,953	13
9/21/2009	8.6E-02	1,137,181	1,174,468	855	128,671	11,694	13
4/15/2010	1.2E-01	1,137,203	1,174,494	888	106,677	13,084	13
9/28/2010	1.1E-01	1,137,210	1,174,476	884	143,395	13,230	13
4/5/2011	1.0E-01	1,137,231	1,174,491	910	156,794	13,505	11
9/13/2011	1.8E-01	1,137,282	1,174,542	980	91,789	9,555	12
4/10/2012	1.3E-01	1,137,224	1,174,532	925	70,749	8,849	11
9/25/2012	1.5E-01	1,137,236	1,174,537	939	67,318	8,635	13
3/12/2013	1.4E-01	1,137,236	1,174,534	937	80,533	9,261	11
TRICHLOROETHYLENE (TCE)							
10/1/1999	0.0E+00						1
2/26/2002	3.8E-02	1,137,074	1,174,415	737	82,728	2,288	9
2/4/2003	3.9E-02	1,137,270	1,174,475	936	190,510	13,797	9
6/27/2003	1.0E-02	1,137,252	1,174,429	899	270,260	30,265	12
9/17/2003	1.0E-02	1,137,259	1,174,432	906	270,633	30,337	12
12/10/2003	2.7E-02	1,137,039	1,174,403	700	123,412	9,383	12
4/1/2004	2.8E-02	1,137,034	1,174,402	695	120,543	9,392	12
7/1/2004	2.8E-02	1,137,117	1,174,415	774	108,616	3,371	10
9/22/2004	3.0E-02	1,137,131	1,174,419	788	131,913	5,014	11
12/28/2004	1.1E-02	1,137,414	1,174,465	1,061	115,837	8,472	9
4/5/2005	2.1E-02	1,137,153	1,174,431	813	146,743	6,518	10
11/14/2006	6.9E-03	1,137,240	1,174,422	886	195,594	25,878	10
9/24/2008	8.5E-03	1,137,286	1,174,421	927	309,309	32,387	15

Project: Apron 2

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
TRICHLOROETHYLENE (TCE)							
12/30/2008	2.2E-02	1,137,175	1,174,432	832	149,064	6,315	12
4/15/2009	2.0E-02	1,137,183	1,174,434	841	156,284	6,968	13
6/16/2009	8.1E-03	1,137,487	1,174,503	1,144	178,066	14,103	13
9/21/2009	1.2E-02	1,137,460	1,174,445	1,096	168,492	11,297	13
4/15/2010	1.1E-02	1,137,465	1,174,447	1,101	171,194	11,602	13
9/28/2010	1.1E-02	1,137,471	1,174,449	1,107	174,609	11,987	13
4/5/2011	1.1E-02	1,137,460	1,174,463	1,102	159,902	9,911	11
9/13/2011	1.0E-02	1,137,479	1,174,452	1,116	178,656	12,311	12
4/10/2012	7.5E-03	1,137,516	1,174,485	1,163	188,226	13,913	11
9/25/2012	1.0E-02	1,137,482	1,174,453	1,119	182,696	13,051	13
3/12/2013	9.7E-03	1,137,477	1,174,470	1,121	170,872	11,551	11
VINYL CHLORIDE							
10/1/1999	0.0E+00						1
2/26/2002	1.3E+00	1,137,811	1,174,642	1,496	92,351	6,046	9
2/4/2003	1.3E+00	1,137,703	1,174,635	1,394	118,740	6,284	9
6/27/2003	1.2E+00	1,137,538	1,174,615	1,238	88,719	8,161	12
9/17/2003	1.2E+00	1,137,546	1,174,619	1,248	91,273	8,247	12
12/10/2003	1.1E+00	1,137,532	1,174,612	1,232	96,182	8,595	12
4/1/2004	1.1E+00	1,137,594	1,174,628	1,294	91,099	8,398	12
7/1/2004	8.5E-01	1,137,585	1,174,622	1,284	97,487	7,077	10
9/22/2004	1.0E+00	1,137,549	1,174,620	1,251	93,298	6,853	11
12/28/2004	1.5E+00	1,137,762	1,174,637	1,449	114,031	6,003	9
4/5/2005	1.7E+00	1,137,871	1,174,655	1,556	98,199	5,592	10
11/14/2006	1.2E+00	1,137,725	1,174,623	1,410	121,816	8,896	10
9/24/2008	6.2E-01	1,137,668	1,174,624	1,359	195,144	15,143	15
12/30/2008	1.5E-01	1,137,739	1,174,594	1,410	210,721	13,055	12
4/15/2009	9.5E-01	1,137,711	1,174,606	1,390	163,713	12,697	13
6/16/2009	1.0E+00	1,137,611	1,174,585	1,290	138,897	12,119	13
9/21/2009	3.5E-01	1,137,679	1,174,601	1,358	213,575	8,306	13
4/15/2010	2.0E-01	1,137,841	1,174,612	1,512	261,335	10,993	13
9/28/2010	4.0E-01	1,137,725	1,174,610	1,404	207,016	7,972	13
4/5/2011	9.0E-01	1,137,934	1,174,634	1,606	146,421	5,490	11
9/13/2011	1.9E-01	1,137,971	1,174,633	1,640	207,912	11,004	12
4/10/2012	5.3E-01	1,138,034	1,174,651	1,705	100,114	7,928	11
9/25/2012	2.8E-01	1,137,952	1,174,645	1,627	166,023	11,569	13
3/12/2013	1.0E+00	1,137,956	1,174,672	1,641	55,540	6,584	10

Project: Apron 2

Location: Griffiss AFB

User Name: Josh Wenzel

State: New York

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	cis-1,2-DICHLOROETHYLENE	0.35	70	95.6%	I
	TRICHLOROETHYLENE (TCE)	0.64	-84	98.1%	D
	VINYL CHLORIDE	0.56	-98	99.3%	D
1st Moment: Distance to Source					
	cis-1,2-DICHLOROETHYLENE	0.06	85	98.7%	I
	TRICHLOROETHYLENE (TCE)	0.17	155	100.0%	I
	VINYL CHLORIDE	0.10	127	100.0%	I
2nd Moment: Sigma XX					
	cis-1,2-DICHLOROETHYLENE	0.21	-57	93.0%	PD
	TRICHLOROETHYLENE (TCE)	0.31	63	94.9%	PI
	VINYL CHLORIDE	0.40	107	99.8%	I
2nd Moment: Sigma YY					
	cis-1,2-DICHLOROETHYLENE	0.26	-121	100.0%	D
	TRICHLOROETHYLENE (TCE)	0.65	41	85.3%	NT
	VINYL CHLORIDE	0.30	31	78.4%	NT

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.29 **Saturated Thickness:** Uniform: 20 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

Note: The Sigma XX and Sigma YY components are estimated using the given field coordinate system and then rotated to align with the estimated groundwater flow direction. Moments are not calculated for sample events with less than 6 wells.

MAROS Plume Analysis Summary

Project: Apron 2
Location: Griffiss AFB

User Name: Josh Wenzel
State: New York

Time Period: 10/1/1999 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
cis-1,2-DICHLOROETHYLENE											
	782MW-10	T	24	24	4.3E-02	4.1E-02	No	D	D	N/A	N/A
	782VMW-100	T	18	0	3.2E-05	3.2E-05	Yes	ND	ND	N/A	N/A
	782VMW-101	T	23	2	3.9E-05	3.2E-05	No	S	S	N/A	N/A
	782VMW-105B	S	23	23	4.1E-03	3.2E-03	No	S	D	N/A	N/A
	782VMW-121	T	12	0	3.2E-05	3.2E-05	Yes	ND	ND	N/A	N/A
	782VMW-121D	T	12	2	4.6E-05	3.2E-05	No	NT	I	N/A	N/A
	782VMW-76	T	23	22	1.1E-03	9.9E-04	No	D	D	N/A	N/A
	782VMW-78	T	23	23	4.9E-02	4.6E-02	No	D	D	N/A	N/A
	782VMW-81	S	23	23	2.2E-02	2.3E-02	No	NT	PI	N/A	N/A
	782VMW-84	T	23	22	7.3E-04	5.9E-04	No	PD	PD	N/A	N/A
	782VMW-84D	T	9	6	2.0E-04	1.4E-04	No	I	I	N/A	N/A
	782VMW-93	T	18	2	7.0E-05	3.2E-05	No	NT	NT	N/A	N/A
	782VMW-96	T	18	0	3.2E-05	3.2E-05	Yes	ND	ND	N/A	N/A
	782VMW-98	S	6	0	3.2E-05	3.2E-05	Yes	ND	ND	N/A	N/A
	AP2MW-3	T	12	0	3.2E-05	3.2E-05	Yes	ND	ND	N/A	N/A
TRICHLOROETHYLENE (TCE)											
	782MW-10	T	24	1	4.0E-05	2.7E-05	No	NT	NT	N/A	N/A
	782VMW-100	T	18	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	782VMW-101	T	23	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	782VMW-105B	S	23	23	2.6E-02	2.6E-02	No	S	S	N/A	N/A
	782VMW-121	T	12	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A

Project: Apron 2 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
TRICHLOROETHYLENE (TCE)											
	782VMW-121D	T	12	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	782VMW-76	T	23	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	782VMW-78	T	23	1	3.5E-05	2.7E-05	No	NT	PD	N/A	N/A
	782VMW-81	S	23	15	7.0E-03	4.9E-03	No	D	D	N/A	N/A
	782VMW-84	T	23	1	4.1E-05	2.7E-05	No	NT	PD	N/A	N/A
	782VMW-84D	T	9	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	782VMW-93	T	18	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	782VMW-96	T	18	1	7.3E-05	2.7E-05	No	NT	NT	N/A	N/A
	782VMW-98	S	6	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
	AP2MW-3	T	12	0	2.7E-05	2.7E-05	Yes	ND	ND	N/A	N/A
VINYL CHLORIDE											
	782MW-10	T	24	16	1.3E-02	1.5E-02	No	D	D	N/A	N/A
	782VMW-100	T	18	0	3.8E-05	3.8E-05	Yes	ND	ND	N/A	N/A
	782VMW-101	T	22	22	2.0E-03	1.9E-03	No	PI	NT	N/A	N/A
	782VMW-105B	S	23	4	1.3E-03	3.8E-05	No	NT	NT	N/A	N/A
	782VMW-121	T	12	12	1.7E-02	1.7E-02	No	PD	S	N/A	N/A
	782VMW-121D	T	12	12	1.8E-02	1.8E-02	No	NT	NT	N/A	N/A
	782VMW-76	T	23	22	1.2E-02	1.3E-02	No	D	S	N/A	N/A
	782VMW-78	T	23	23	1.3E-02	1.1E-02	No	D	D	N/A	N/A
	782VMW-81	S	23	22	7.0E-03	5.7E-03	No	D	S	N/A	N/A
	782VMW-84	T	23	22	4.3E-02	4.0E-02	No	D	S	N/A	N/A
	782VMW-84D	T	9	8	1.6E-02	1.3E-02	No	NT	NT	N/A	N/A
	782VMW-93	T	18	18	5.8E-02	5.7E-02	No	D	D	N/A	N/A
	782VMW-96	T	18	18	8.0E-02	7.5E-02	No	D	D	N/A	N/A
	782VMW-98	S	6	0	3.8E-05	3.8E-05	Yes	ND	ND	N/A	N/A
	AP2MW-3	T	12	0	3.8E-05	3.8E-05	Yes	ND	ND	N/A	N/A

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Site Results

Project: Apron 2 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

User Defined Site and Data Assumptions:

Hydrogeology and Plume Information:

Groundwater Seepage Velocity: 106 ft/yr

Current Plume Length: 2350 ft

Current Plume Width 440 ft

Number of Tail Wells: 12

Number of Source Wells: 3

Source Information:

Source Treatment: In-situ Biodegradation

NAPL is not observed at this site.

Down-gradient Information:

Distance from Edge of Tail to Nearest:

Down-gradient receptor: 50 ft

Down-gradient property: 50 ft

Distance from Source to Nearest:

Down-gradient receptor: 2400 ft

Down-gradient property: 2400 ft

Data Consolidation Assumptions:

Time Period: 10/1/1999 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: Specified Detection Limit
J Flag Values : Actual Value

Plume Information Weighting Assumptions:

Consolidation Step 1. Weight Plume Information by Chemical
Summary Weighting: Weighting Applied to All Chemicals Equally
Consolidation Step 2. Weight Well Information by Chemical
Well Weighting: No Weighting of Wells was Applied.
Chemical Weighting: No Weighting of Chemicals was Applied.

Note: These assumptions were made when consolidating the historical montoring data and lumping the Wells and COCs.

1. Compliance Monitoring/Remediation Optimization Results:

Preliminary Monitoring System Optimization Results: Based on site classification, source treatment and Monitoring System Category the following suggestions are made for site Sampling Frequency, Duration of Sampling before reassessment, and Well Density. These criteria take into consideration: Plume Stability, Type of Plume, and Groundwater Velocity.

COC	Tail Stability	Source Stability	Level of Effort	Sampling Duration	Sampling Frequency	Sampling Density
cis-1,2-DICHLOROETHYLENE	PD	PD	L	Continue remediation mechanism unitl reach stable trend or	No Recommendation	36
TRICHLOROETHYLENE (TCE)	D	D	L	Continue remediation mechanism unitl reach stable trend or	No Recommendation	36
VINYL CHLORIDE	PD	PD	L	Continue remediation mechanism unitl reach stable trend or	No Recommendation	36

Note:

Plume Status: (I) Increasing; (PI)Probably Increasing; (S) Stable; (NT) No Trend; (PD) Probably Decreasing; (D) Decreasing

Design Categories: (E) Extensive; (M) Moderate; (L) Limited (N/A) Not Applicable, Insufficient Data Available

Level of Monitoring Effort Indicated by Analysi Limited

2. Spatial Moment Analysis Results:

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	cis-1,2-DICHLOROETHYLENE	0.35	70	95.6%	I
	TRICHLOROETHYLENE (TCE)	0.64	-84	98.1%	D
	VINYL CHLORIDE	0.56	-98	99.3%	D
1st Moment: Distance to Source					
	cis-1,2-DICHLOROETHYLENE	0.06	85	98.7%	I
	TRICHLOROETHYLENE (TCE)	0.17	155	100.0%	I
	VINYL CHLORIDE	0.10	127	100.0%	I
2nd Moment: Sigma XX					
	cis-1,2-DICHLOROETHYLENE	0.21	-57	93.0%	PD
	TRICHLOROETHYLENE (TCE)	0.31	63	94.9%	PI
	VINYL CHLORIDE	0.40	107	99.8%	I
2nd Moment: Sigma YY					
	cis-1,2-DICHLOROETHYLENE	0.26	-121	100.0%	D
	TRICHLOROETHYLENE (TCE)	0.65	41	85.3%	NT
	VINYL CHLORIDE	0.30	31	78.4%	NT

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.29 **Saturated Thickness:** Uniform: 20 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

MAROS Sampling Location Optimization

Results by Considering All COCs

Project: Apron 2 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 **to** Sample Event 24

10/1/1999 3/12/2013

Well	X (feet)	Y (feet)	Number of COCs	COC-Averaged Slope Factor*	Abandoned?
782MW-10	1137498.38	1174739.63	3	0.416	☐
782VMW-100	1138716.25	1174894.75	3	0.360	☐
782VMW-101	1138910.75	1174658.13	3	0.180	☐
782VMW-105B	1136605.13	1174207.50	3	0.577	☐
782VMW-121	1138757.38	1174778.25	3	0.079	☐
782VMW-121D	1138752.50	1174761.63	3	0.077	☐
782VMW-76	1137171.88	1174418.25	3	0.289	☐
782VMW-78	1137025.75	1174578.63	3	0.262	☐
782VMW-81	1137025.75	1174578.63	3	0.255	☐
782VMW-84	1137984.38	1174815.63	3	0.112	☐
782VMW-84D	1138001.75	1174796.75	3	0.126	☐
782VMW-93	1137325.38	1174569.75	3	0.421	☐
782VMW-96	1137545.50	1174603.50	3	0.341	☐
782VMW-98	1136359.75	1173953.00	3	0.487	☐
AP2MW-3	1138743.75	1174551.13	3	0.358	☐

Note: the COC-Averaged Slope Factor is the value calculated by averaging those "Average Slope Factor" obtained earlier across COCs; to be conservative, a location is "abandoned" only when it is eliminated from all COCs; "abandoned" doesn't necessarily mean the abandon of well, it can mean that NO samples need to be collected for any COCs.

* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Frequency Optimization Results

Project: Apron 2 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

The Overall Number of Sampling Events: 24

"Recent Period" defined by events: **From** Sample Event 1 (10/1/1999) **To** Sample Event 24 (3/12/2013)

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
cis-1,2-DICHLOROETHYLENE	0.07	0.035	0.07	0.14
TRICHLOROETHYLENE (TCE)	0.005	0.0025	0.005	0.01
VINYL CHLORIDE	0.002	0.001	0.002	0.004

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
cis-1,2-DICHLOROETHYLENE			
782MW-10	Annual	Annual	Annual
782VMW-100	Biennial	Annual	Annual
782VMW-101	Biennial	Annual	Annual
782VMW-105B	Biennial	Annual	Annual
782VMW-121	Biennial	Annual	Annual
782VMW-121D	Biennial	Annual	Annual
782VMW-76	Biennial	Annual	Annual
782VMW-78	Annual	Annual	Annual
782VMW-81	Biennial	Annual	Annual
782VMW-84	Annual	Annual	Annual
782VMW-84D	Annual	Annual	Annual
782VMW-93	Biennial	Annual	Annual
782VMW-96	Biennial	Annual	Annual
782VMW-98	Biennial	Annual	Annual
AP2MW-3	Biennial	Annual	Annual
TRICHLOROETHYLENE (TCE)			
782MW-10	Biennial	Annual	Annual
782VMW-100	Biennial	Annual	Annual
782VMW-101	Biennial	Annual	Annual
782VMW-105B	Annual	Annual	Annual
782VMW-121	Biennial	Annual	Annual
782VMW-121D	Biennial	Annual	Annual

Project: Apron 2 **User Name:** Josh Wenzel

Location: Griffiss AFB **State:** New York

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
782VMW-76	Biennial	Annual	Annual
782VMW-78	Biennial	Annual	Annual
782VMW-81	Annual	Annual	Annual
782VMW-84	Biennial	Annual	Annual
782VMW-84D	Biennial	Annual	Annual
782VMW-93	Biennial	Annual	Annual
782VMW-96	Biennial	Annual	Annual
782VMW-98	Biennial	Annual	Annual
AP2MW-3	Biennial	Annual	Annual
VINYL CHLORIDE			
782MW-10	Annual	Annual	Annual
782VMW-100	Biennial	Annual	Annual
782VMW-101	Annual	Annual	Annual
782VMW-105B	Annual	Annual	Annual
782VMW-121	Annual	Annual	Annual
782VMW-121D	Annual	Annual	Annual
782VMW-76	Annual	Annual	Annual
782VMW-78	Annual	Annual	Annual
782VMW-81	Annual	Annual	Annual
782VMW-84	Annual	Annual	Annual
782VMW-84D	Quarterly	Quarterly	Quarterly
782VMW-93	Annual	Annual	Annual
782VMW-96	Annual	Annual	Annual
782VMW-98	Biennial	Annual	Annual
AP2MW-3	Biennial	Annual	Annual

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.

MAROS Mann-Kendall Statistics Summary

Project: On-Base Groundwater Apron 2
User Name: Katrina Mattice
Location: Griffiss AFB
State: New York

Time Period: 11/14/2006 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value

	Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
chlorine									
	782MW-10	T	13	13	1.38	-35	98.2%	No	D
	782VMW-100	T	12	12	0.37	5	60.6%	No	NT
	782VMW-101	T	13	13	0.37	21	88.6%	No	NT
	782VMW-105B	S	13	13	0.37	-48	99.9%	No	D
	782VMW-121	T	12	12	0.21	-35	99.2%	No	D
	782VMW-121D	T	12	12	0.14	-57	100.0%	No	D
	782VMW-76	T	13	13	0.33	-34	97.9%	No	D
	782VMW-78	T	13	13	1.39	-65	100.0%	No	D
	782VMW-81	S	13	13	0.43	-70	100.0%	No	D
	782VMW-84	T	13	13	0.48	-50	99.9%	No	D
	782VMW-84D	T	9	9	1.17	12	87.0%	No	NT
	782VMW-93	T	8	8	0.69	2	54.8%	No	NT
	782VMW-96	T	8	8	0.15	14	94.6%	No	PI
	782VMW-98	S	2	2	0.00	0	0.0%	No	N/A
	AP2MW-3	T	6	6	0.11	-10	95.2%	No	D
nitrate									
	782MW-10	T	13	6	1.12	-17	83.2%	No	NT
	782VMW-100	T	12	2	2.62	-7	65.6%	No	NT
	782VMW-101	T	13	3	0.25	28	95.0%	No	I
	782VMW-105B	S	13	10	0.85	-34	97.9%	No	D
	782VMW-121	T	12	2	0.57	-11	74.9%	No	S
	782VMW-121D	T	12	1	0.01	3	55.4%	No	NT
	782VMW-76	T	13	4	3.11	7	64.0%	No	NT
	782VMW-78	T	13	3	0.29	17	83.2%	No	NT
	782VMW-81	S	13	4	0.24	12	74.5%	No	NT
	782VMW-84	T	13	5	0.78	12	74.5%	No	NT
	782VMW-84D	T	9	5	0.68	-5	65.7%	No	S
	782VMW-93	T	8	6	2.79	-3	59.4%	No	NT
	782VMW-96	T	8	4	0.29	6	72.6%	No	NT
	782VMW-98	S	2	2	0.00	0	0.0%	No	N/A
	AP2MW-3	T	6	0	0.00	0	42.3%	Yes	ND
sulfur									
	782MW-10	T	13	13	1.12	-38	98.9%	No	D
	782VMW-100	T	12	12	1.47	21	91.3%	No	PI
	782VMW-101	T	13	13	0.41	8	66.2%	No	NT
	782VMW-105B	S	13	13	0.22	4	57.1%	No	NT

Project: On-Base Groundwater Apron 2

User Name: Katrina Mattice

Location: Griffiss AFB

State: New York

	Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
sulfur									
	782VMW-121	T	12	12	0.44	-12	77.0%	No	S
	782VMW-121D	T	12	12	0.77	23	93.3%	No	PI
	782VMW-76	T	13	6	2.66	-19	86.1%	No	NT
	782VMW-78	T	13	13	0.23	-47	99.9%	No	D
	782VMW-81	S	13	13	0.18	27	94.3%	No	PI
	782VMW-84	T	13	9	2.52	-44	99.7%	No	D
	782VMW-84D	T	9	8	0.78	-20	97.8%	No	D
	782VMW-93	T	8	5	2.15	-7	76.4%	No	NT
	782VMW-96	T	8	3	0.24	8	80.1%	No	NT
	782VMW-98	S	2	2	0.00	0	0.0%	No	N/A
	AP2MW-3	T	6	0	0.00	0	42.3%	Yes	ND

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)- Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Linear Regression Statistics Summary

Project: On-Base Groundwater Apron 2
User Name: Katrina Mattice
Location: Griffiss AFB
State: New York

Time Period: 11/14/2006 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
chlorine									
782MW-10	T	2.0E+01	1.3E+01	2.7E+01	No	-6.3E-04	1.38	99.0%	D
782VMW-100	T	3.2E+00	3.5E+00	1.2E+00	No	7.4E-05	0.37	62.5%	NT
782VMW-101	T	2.6E+01	2.6E+01	9.5E+00	No	5.1E-04	0.37	98.4%	I
782VMW-105	S	7.4E+00	7.5E+00	2.8E+00	No	-4.6E-04	0.37	99.9%	D
782VMW-121	T	4.2E+01	3.9E+01	9.0E+00	No	-2.7E-04	0.21	99.7%	D
782VMW-121	T	4.9E+01	4.8E+01	7.1E+00	No	-2.4E-04	0.14	100.0%	D
782VMW-76	T	3.6E+01	3.5E+01	1.2E+01	No	-5.4E-05	0.33	58.2%	S
782VMW-78	T	3.0E+01	2.0E+01	4.2E+01	No	-9.8E-04	1.39	100.0%	D
782VMW-81	S	2.2E+01	1.8E+01	9.2E+00	No	-4.8E-04	0.43	100.0%	D
782VMW-84	T	3.3E+01	3.5E+01	1.6E+01	No	1.7E-05	0.48	51.2%	NT
782VMW-84D	T	4.3E+01	2.0E+01	5.0E+01	No	1.6E-03	1.17	90.6%	PI
782VMW-93	T	5.3E+01	4.3E+01	3.7E+01	No	8.6E-05	0.69	57.3%	NT
782VMW-96	T	5.0E+01	5.0E+01	7.4E+00	No	1.1E-04	0.15	95.3%	I
782VMW-98	S	7.5E+00	7.5E+00	4.9E+00	No	0.0E+00	0.00	0.0%	N/A
AP2MW-3	T	6.6E+01	6.5E+01	7.3E+00	No	-1.8E-04	0.11	98.3%	D
nitrate									
782MW-10	T	1.4E-01	5.0E-02	1.6E-01	No	-3.5E-04	1.12	77.7%	NT
782VMW-100	T	1.9E-01	5.0E-02	5.1E-01	No	-6.2E-04	2.62	83.7%	NT
782VMW-101	T	4.5E-02	5.0E-02	1.1E-02	No	3.2E-04	0.25	99.2%	I
782VMW-105	S	2.1E-01	1.5E-01	1.8E-01	No	-7.4E-04	0.85	98.1%	D
782VMW-121	T	6.1E-02	5.0E-02	3.5E-02	No	-2.1E-04	0.57	85.2%	S
782VMW-121	T	5.0E-02	5.0E-02	5.8E-04	No	4.2E-06	0.01	100.0%	I
782VMW-76	T	3.5E-01	5.0E-02	1.1E+00	No	-3.8E-04	3.11	74.9%	NT
782VMW-78	T	4.4E-02	5.0E-02	1.3E-02	No	2.7E-04	0.29	93.8%	PI
782VMW-81	S	4.4E-02	5.0E-02	1.1E-02	No	1.2E-04	0.24	80.7%	NT
782VMW-84	T	5.5E-02	5.0E-02	4.2E-02	No	1.9E-05	0.78	52.7%	NT
782VMW-84D	T	8.2E-02	5.0E-02	5.6E-02	No	-2.6E-04	0.68	66.7%	S
782VMW-93	T	5.9E+00	7.0E-02	1.7E+01	No	-1.2E-03	2.79	71.6%	NT
782VMW-96	T	4.6E-02	5.0E-02	1.3E-02	No	1.3E-04	0.29	78.5%	NT
782VMW-98	S	3.9E-01	3.9E-01	7.8E-02	No	0.0E+00	0.00	0.0%	N/A
AP2MW-3	T	5.0E-02	5.0E-02	7.6E-18	Yes	0.0E+00	0.00	100.0%	ND
sulfur									
782MW-10	T	2.3E+00	1.3E+00	2.5E+00	No	-8.4E-04	1.12	99.5%	D
782VMW-100	T	2.5E+01	1.5E+01	3.7E+01	No	8.6E-04	1.47	97.7%	I
782VMW-101	T	1.4E+02	1.4E+02	5.9E+01	No	9.2E-04	0.41	98.2%	I
782VMW-105	S	7.9E+00	7.3E+00	1.7E+00	No	7.6E-05	0.22	78.3%	NT
782VMW-121	T	1.9E+02	1.9E+02	8.4E+01	No	-3.0E-04	0.44	87.3%	S

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Griffiss AFB **State:** New York

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
sulfur									
782VMW-121	T	6.3E+01	4.2E+01	4.9E+01	No	8.2E-04	0.77	98.5%	I
782VMW-76	T	6.5E+00	2.5E-01	1.7E+01	No	-8.8E-04	2.66	85.8%	NT
782VMW-78	T	7.3E+00	7.0E+00	1.7E+00	No	-2.3E-04	0.23	99.7%	D
782VMW-81	S	6.9E+00	7.1E+00	1.2E+00	No	1.4E-04	0.18	95.7%	I
782VMW-84	T	4.8E+00	7.6E-01	1.2E+01	No	-1.6E-03	2.52	99.4%	D
782VMW-84D	T	5.4E+00	5.4E+00	4.2E+00	No	-2.0E-03	0.78	99.5%	D
782VMW-93	T	2.1E+00	4.8E-01	4.4E+00	No	-2.9E-04	2.15	60.1%	NT
782VMW-96	T	2.2E-01	2.5E-01	5.3E-02	No	1.6E-04	0.24	87.2%	NT
782VMW-98	S	5.8E+00	5.8E+00	1.1E+00	No	0.0E+00	0.00	0.0%	N/A
AP2MW-3	T	2.5E-01	2.5E-01	0.0E+00	Yes	0.0E+00	0.00	100.0%	ND

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Non-detect (ND); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); COV = Coefficient of Variation

MAROS Statistical Trend Analysis Summary

Project: On-Base Groundwater Apron 2

Location: Griffiss AFB

User Name: Katrina Mattice

State: New York

Time Period: 11/14/2006 **to** 3/12/2013

Consolidation Period: No Time Consolidation

Consolidation Type: Median

Duplicate Consolidation: Average

ND Values: 1/2 Detection Limit

J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Average Conc. (mg/L)	Median Conc. (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
chlorine								
782MW-10	T	13	13	2.0E+01	1.3E+01	No	D	D
782VMW-100	T	12	12	3.2E+00	3.5E+00	No	NT	NT
782VMW-101	T	13	13	2.6E+01	2.6E+01	No	NT	I
782VMW-105B	S	13	13	7.4E+00	7.5E+00	No	D	D
782VMW-121	T	12	12	4.2E+01	3.9E+01	No	D	D
782VMW-121D	T	12	12	4.9E+01	4.8E+01	No	D	D
782VMW-76	T	13	13	3.6E+01	3.5E+01	No	D	S
782VMW-78	T	13	13	3.0E+01	2.0E+01	No	D	D
782VMW-81	S	13	13	2.2E+01	1.8E+01	No	D	D
782VMW-84	T	13	13	3.3E+01	3.5E+01	No	D	NT
782VMW-84D	T	9	9	4.3E+01	2.0E+01	No	NT	PI
782VMW-93	T	8	8	5.3E+01	4.3E+01	No	NT	NT
782VMW-96	T	8	8	5.0E+01	5.0E+01	No	PI	I
782VMW-98	S	2	2	7.5E+00	7.5E+00	No	N/A	N/A
AP2MW-3	T	6	6	6.6E+01	6.5E+01	No	D	D
nitrate								
782MW-10	T	13	6	1.4E-01	5.0E-02	No	NT	NT
782VMW-100	T	12	2	1.9E-01	5.0E-02	No	NT	NT
782VMW-101	T	13	3	4.5E-02	5.0E-02	No	I	I
782VMW-105B	S	13	10	2.1E-01	1.5E-01	No	D	D
782VMW-121	T	12	2	6.1E-02	5.0E-02	No	S	S
782VMW-121D	T	12	1	5.0E-02	5.0E-02	No	NT	I
782VMW-76	T	13	4	3.5E-01	5.0E-02	No	NT	NT
782VMW-78	T	13	3	4.4E-02	5.0E-02	No	NT	PI
782VMW-81	S	13	4	4.4E-02	5.0E-02	No	NT	NT
782VMW-84	T	13	5	5.5E-02	5.0E-02	No	NT	NT
782VMW-84D	T	9	5	8.2E-02	5.0E-02	No	S	S
782VMW-93	T	8	6	5.9E+00	7.0E-02	No	NT	NT
782VMW-96	T	8	4	4.6E-02	5.0E-02	No	NT	NT
782VMW-98	S	2	2	3.9E-01	3.9E-01	No	N/A	N/A
AP2MW-3	T	6	0	5.0E-02	5.0E-02	Yes	ND	ND
sulfur								
782MW-10	T	13	13	2.3E+00	1.3E+00	No	D	D

MAROS Statistical Trend Analysis Summary

Well	Source/ Tail	Number of Samples	Number of Detects	Average Conc. (mg/L)	Median Conc. (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
sulfur								
782VMW-100	T	12	12	2.5E+01	1.5E+01	No	PI	I
782VMW-101	T	13	13	1.4E+02	1.4E+02	No	NT	I
782VMW-105B	S	13	13	7.9E+00	7.3E+00	No	NT	NT
782VMW-121	T	12	12	1.9E+02	1.9E+02	No	S	S
782VMW-121D	T	12	12	6.3E+01	4.2E+01	No	PI	I
782VMW-76	T	13	6	6.5E+00	2.5E-01	No	NT	NT
782VMW-78	T	13	13	7.3E+00	7.0E+00	No	D	D
782VMW-81	S	13	13	6.9E+00	7.1E+00	No	PI	I
782VMW-84	T	13	9	4.8E+00	7.6E-01	No	D	D
782VMW-84D	T	9	8	5.4E+00	5.4E+00	No	D	D
782VMW-93	T	8	5	2.1E+00	4.8E-01	No	NT	NT
782VMW-96	T	8	3	2.2E-01	2.5E-01	No	NT	NT
782VMW-98	S	2	2	5.8E+00	5.8E+00	No	N/A	N/A
AP2MW-3	T	6	0	2.5E-01	2.5E-01	Yes	ND	ND

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); No Detectable Concentration (NDC)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Spatial Moment Analysis Summary

Project: On-Base Groundwater Apron 2
Location: Griffiss AFB
User Name: Katrina Mattice
State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (Kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
chlorine							
11/14/2006	3.2E+03	1,137,495	1,174,542	951	167,032	20,547	10
9/24/2008	6.0E+03	1,137,797	1,174,526	1,234	240,985	29,368	15
12/30/2008	1.4E+03	1,137,788	1,174,580	1,240	217,640	14,306	12
3/25/2009	3.0E+03	1,137,771	1,174,589	1,227	203,087	14,113	13
6/16/2009	2.2E+03	1,137,646	1,174,562	1,100	175,296	12,490	13
9/21/2009	3.8E+03	1,137,878	1,174,576	1,326	215,696	12,828	13
4/15/2010	3.6E+03	1,137,866	1,174,586	1,317	227,505	12,205	13
9/28/2010	5.2E+03	1,137,946	1,174,599	1,397	182,473	11,137	13
4/5/2011	2.9E+03	1,137,860	1,174,601	1,315	179,316	12,691	11
9/13/2011	5.1E+03	1,137,981	1,174,606	1,433	164,646	10,640	12
4/10/2012	2.5E+03	1,137,873	1,174,613	1,331	182,023	13,689	11
9/25/2012	3.7E+03	1,137,936	1,174,593	1,386	188,986	13,091	13
3/12/2013	2.7E+03	1,137,893	1,174,613	1,350	161,578	12,467	11
nitrate							
11/14/2006	7.5E+00	1,137,389	1,174,404	808	178,629	25,708	10
9/24/2008	1.8E+01	1,137,498	1,174,478	934	270,070	36,836	15
12/30/2008	2.6E+01	1,137,561	1,174,527	1,008	150,851	13,520	12
3/25/2009	6.1E+00	1,137,782	1,174,608	1,243	229,624	19,407	13
6/16/2009	5.0E+00	1,137,682	1,174,558	1,133	203,252	18,506	13
9/21/2009	6.1E+00	1,137,812	1,174,552	1,255	217,502	19,142	13
4/15/2010	7.8E+00	1,137,887	1,174,594	1,339	214,500	16,389	13
9/28/2010	5.9E+00	1,137,833	1,174,579	1,283	241,709	17,450	13
4/5/2011	5.6E+00	1,137,770	1,174,596	1,228	213,320	15,533	11
9/13/2011	5.9E+00	1,137,833	1,174,579	1,283	241,216	16,969	12
4/10/2012	5.8E+00	1,137,758	1,174,583	1,212	221,268	18,508	11
9/25/2012	6.5E+00	1,137,795	1,174,562	1,242	247,424	20,211	13
3/12/2013	5.7E+00	1,137,765	1,174,577	1,218	223,321	19,295	11
sulfur							
11/14/2006	2.8E+02	1,137,405	1,174,412	826	151,562	21,703	10
9/24/2008	6.4E+02	1,137,946	1,174,582	1,392	544,727	49,773	15
12/30/2008	1.7E+03	1,137,808	1,174,545	1,250	260,862	21,283	12
3/25/2009	9.1E+02	1,138,030	1,174,630	1,486	296,146	22,046	13
6/16/2009	7.2E+02	1,138,229	1,174,675	1,690	231,877	18,564	13
9/21/2009	3.6E+02	1,138,309	1,174,703	1,775	304,227	18,577	13
4/15/2010	4.3E+02	1,138,404	1,174,707	1,867	279,222	15,810	13
9/28/2010	3.7E+02	1,138,391	1,174,702	1,853	316,881	16,936	13
4/5/2011	8.2E+02	1,138,249	1,174,670	1,708	265,717	20,065	11

Project: On-Base Groundwater Apron 2

Location: Griffiss AFB

User Name: Katrina Mattice

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
sulfur							
9/13/2011	4.4E+02	1,138,077	1,174,628	1,531	526,629	26,352	12
4/10/2012	4.2E+02	1,138,095	1,174,625	1,547	310,866	24,642	11
9/25/2012	4.5E+02	1,138,342	1,174,709	1,808	342,121	21,235	13
3/12/2013	7.6E+02	1,138,212	1,174,661	1,670	277,926	23,383	11

Project: On-Base Groundwater Apron 2

Location: Griffiss AFB

User Name: Katrina Mattice

State: New York

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	chlorine	0.38	-2	52.4%	S
	nitrate	0.71	-30	96.2%	D
	sulfur	0.59	2	52.4%	NT
1st Moment: Distance to Source					
	chlorine	0.10	46	99.8%	I
	nitrate	0.13	26	93.6%	PI
	sulfur	0.18	32	97.1%	I
2nd Moment: Sigma XX					
	chlorine	0.13	-26	93.6%	PD
	nitrate	0.14	22	89.8%	NT
	sulfur	0.34	20	87.4%	NT
2nd Moment: Sigma YY					
	chlorine	0.35	-38	98.9%	D
	nitrate	0.30	-8	66.2%	S
	sulfur	0.37	0	47.6%	S

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.29 **Saturated Thickness:** Uniform: 20 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

Note: The Sigma XX and Sigma YY components are estimated using the given field coordinate system and then rotated to align with the estimated groundwater flow direction. Moments are not calculated for sample events with less than 6 wells.

MAROS Plume Analysis Summary

Project: On-Base Groundwater Apron 2

Location: Griffiss AFB

User Name: Katrina Mattice

State: New York

Time Period: 11/14/2006 **to** 3/12/2013

Consolidation Period: No Time Consolidation

Consolidation Type: Median

Duplicate Consolidation: Average

ND Values: 1/2 Detection Limit

J Flag Values : Actual Value

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
chlorine											
	782MW-10	T	13	13	2.0E+01	1.3E+01	No	D	D	N/A	N/A
	782VMW-100	T	12	12	3.2E+00	3.5E+00	No	NT	NT	N/A	N/A
	782VMW-101	T	13	13	2.6E+01	2.6E+01	No	NT	I	N/A	N/A
	782VMW-105B	S	13	13	7.4E+00	7.5E+00	No	D	D	N/A	N/A
	782VMW-121	T	12	12	4.2E+01	3.9E+01	No	D	D	N/A	N/A
	782VMW-121D	T	12	12	4.9E+01	4.8E+01	No	D	D	N/A	N/A
	782VMW-76	T	13	13	3.6E+01	3.5E+01	No	D	S	N/A	N/A
	782VMW-78	T	13	13	3.0E+01	2.0E+01	No	D	D	N/A	N/A
	782VMW-81	S	13	13	2.2E+01	1.8E+01	No	D	D	N/A	N/A
	782VMW-84	T	13	13	3.3E+01	3.5E+01	No	D	NT	N/A	N/A
	782VMW-84D	T	9	9	4.3E+01	2.0E+01	No	NT	PI	N/A	N/A
	782VMW-93	T	8	8	5.3E+01	4.3E+01	No	NT	NT	N/A	N/A
	782VMW-96	T	8	8	5.0E+01	5.0E+01	No	PI	I	N/A	N/A
	782VMW-98	S	2	2	7.5E+00	7.5E+00	No	N/A	N/A	N/A	N/A
	AP2MW-3	T	6	6	6.6E+01	6.5E+01	No	D	D	N/A	N/A
nitrate											
	782MW-10	T	13	6	1.4E-01	5.0E-02	No	NT	NT	N/A	N/A
	782VMW-100	T	12	2	1.9E-01	5.0E-02	No	NT	NT	N/A	N/A
	782VMW-101	T	13	3	4.5E-02	5.0E-02	No	I	I	N/A	N/A
	782VMW-105B	S	13	10	2.1E-01	1.5E-01	No	D	D	N/A	N/A
	782VMW-121	T	12	2	6.1E-02	5.0E-02	No	S	S	N/A	N/A

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Griffiss AFB **State:** New York

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
nitrate											
	782VMW-121D	T	12	1	5.0E-02	5.0E-02	No	NT	I	N/A	N/A
	782VMW-76	T	13	4	3.5E-01	5.0E-02	No	NT	NT	N/A	N/A
	782VMW-78	T	13	3	4.4E-02	5.0E-02	No	NT	PI	N/A	N/A
	782VMW-81	S	13	4	4.4E-02	5.0E-02	No	NT	NT	N/A	N/A
	782VMW-84	T	13	5	5.5E-02	5.0E-02	No	NT	NT	N/A	N/A
	782VMW-84D	T	9	5	8.2E-02	5.0E-02	No	S	S	N/A	N/A
	782VMW-93	T	8	6	5.9E+00	7.0E-02	No	NT	NT	N/A	N/A
	782VMW-96	T	8	4	4.6E-02	5.0E-02	No	NT	NT	N/A	N/A
	782VMW-98	S	2	2	3.9E-01	3.9E-01	No	N/A	N/A	N/A	N/A
	AP2MW-3	T	6	0	5.0E-02	5.0E-02	Yes	ND	ND	N/A	N/A
sulfur											
	782MW-10	T	13	13	2.3E+00	1.3E+00	No	D	D	N/A	N/A
	782VMW-100	T	12	12	2.5E+01	1.5E+01	No	PI	I	N/A	N/A
	782VMW-101	T	13	13	1.4E+02	1.4E+02	No	NT	I	N/A	N/A
	782VMW-105B	S	13	13	7.9E+00	7.3E+00	No	NT	NT	N/A	N/A
	782VMW-121	T	12	12	1.9E+02	1.9E+02	No	S	S	N/A	N/A
	782VMW-121D	T	12	12	6.3E+01	4.2E+01	No	PI	I	N/A	N/A
	782VMW-76	T	13	6	6.5E+00	2.5E-01	No	NT	NT	N/A	N/A
	782VMW-78	T	13	13	7.3E+00	7.0E+00	No	D	D	N/A	N/A
	782VMW-81	S	13	13	6.9E+00	7.1E+00	No	PI	I	N/A	N/A
	782VMW-84	T	13	9	4.8E+00	7.6E-01	No	D	D	N/A	N/A
	782VMW-84D	T	9	8	5.4E+00	5.4E+00	No	D	D	N/A	N/A
	782VMW-93	T	8	5	2.1E+00	4.8E-01	No	NT	NT	N/A	N/A
	782VMW-96	T	8	3	2.2E-01	2.5E-01	No	NT	NT	N/A	N/A
	782VMW-98	S	2	2	5.8E+00	5.8E+00	No	N/A	N/A	N/A	N/A
	AP2MW-3	T	6	0	2.5E-01	2.5E-01	Yes	ND	ND	N/A	N/A

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Site Results

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Griffiss AFB **State:** New York

User Defined Site and Data Assumptions:

Hydrogeology and Plume Information:

Groundwater Seepage Velocity: 106 ft/yr
Current Plume Length: 2350 ft
Current Plume Width 440 ft
Number of Tail Wells: 12
Number of Source Wells: 3

Down-gradient Information:

Distance from Edge of Tail to Nearest:
Down-gradient receptor: 50 ft
Down-gradient property: 50 ft
Distance from Source to Nearest:
Down-gradient receptor: 2400 ft
Down-gradient property: 2400 ft

Source Information:

Source Treatment: In-situ Biodegradation

NAPL is not observed at this site.

Data Consolidation Assumptions:

Time Period: 11/14/2006 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value

Plume Information Weighting Assumptions:

Consolidation Step 1. Weight Plume Information by Chemical
Summary Weighting: Weighting Applied to All Chemicals Equally
Consolidation Step 2. Weight Well Information by Chemical
Well Weighting: No Weighting of Wells was Applied.
Chemical Weighting: No Weighting of Chemicals was Applied.

Note: These assumptions were made when consolidating the historical montoring data and lumping the Wells and COCs.

1. Compliance Monitoring/Remediation Optimization Results:

Preliminary Monitoring System Optimization Results: Based on site classification, source treatment and Monitoring System Category the following suggestions are made for site Sampling Frequency, Duration of Sampling before reassessment, and Well Density. These criteria take into consideration: Plume Stability, Type of Plume, and Groundwater Velocity.

COC	Tail Stability	Source Stability	Level of Effort	Sampling Duration	Sampling Frequency	Sampling Density
chlorine	S	D	M	Remove treatment system if previously reducing concentation	No Recommendation	36
nitrate	NT	S	M	Remove treatment system if previously reducing concentation	No Recommendation	36
sulfur	S	PI	M	Remove treatment system if previously reducing concentation	No Recommendation	36

Note:

Plume Status: (I) Increasing; (PI)Probably Increasing; (S) Stable; (NT) No Trend; (PD) Probably Decreasing; (D) Decreasing

Design Categories: (E) Extensive; (M) Moderate; (L) Limited (N/A) Not Applicable, Insufficient Data Available

Level of Monitoring Effort Indicated by Analysi Moderate

2. Spatial Moment Analysis Results:

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	chlorine	0.38	-2	52.4%	S
	nitrate	0.71	-30	96.2%	D
	sulfur	0.59	2	52.4%	NT
1st Moment: Distance to Source					
	chlorine	0.10	46	99.8%	I
	nitrate	0.13	26	93.6%	PI
	sulfur	0.18	32	97.1%	I
2nd Moment: Sigma XX					
	chlorine	0.13	-26	93.6%	PD
	nitrate	0.14	22	89.8%	NT
	sulfur	0.34	20	87.4%	NT
2nd Moment: Sigma YY					
	chlorine	0.35	-38	98.9%	D
	nitrate	0.30	-8	66.2%	S
	sulfur	0.37	0	47.6%	S

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.29 **Saturated Thickness:** Uniform: 20 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

MAROS Sampling Location Optimization Results

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (11/14/2006) **to** Sample Event 13 (3/12/2013)

Parameters used:

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
chlorine	0.1	0.01	0.95	0.95
nitrate	0.1	0.01	0.95	0.95
sulfur	0.1	0.01	0.95	0.95

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
chlorine							
782MW-10	1137498.38	1174739.63	☑	0.290	0.131	0.517	☐
782VMW-100	1138716.25	1174894.75	☑	0.686	0.381	0.888	☐
782VMW-101	1138910.75	1174658.13	☑	0.108	0.015	0.625	☐
782VMW-105B	1136605.13	1174207.50	☑	0.411	0.032	0.636	☐
782VMW-121	1138757.38	1174778.25	☑	0.052	0.008	0.096	☑
782VMW-121D	1138752.50	1174761.63	☑	0.115	0.060	0.173	☐
782VMW-76	1137171.88	1174418.25	☑	0.151	0.009	0.259	☐
782VMW-78	1137025.75	1174578.63	☑	0.177	0.099	0.289	☐
782VMW-81	1136784.75	1174370.00	☑	0.143	0.008	0.230	☐
782VMW-84	1137984.38	1174815.63	☑	0.229	0.026	0.833	☐
782VMW-84D	1138001.75	1174796.75	☑	0.262	0.040	0.905	☐
782VMW-93	1137325.38	1174569.75	☑	0.160	0.019	0.413	☐
782VMW-96	1137545.50	1174603.50	☑	0.207	0.000	0.345	☐
782VMW-98	1136359.75	1173953.00	☑	0.457	0.386	0.564	☐
AP2MW-3	1138743.75	1174551.13	☑	0.138	0.114	0.169	☐
nitrate							
782MW-10	1137498.38	1174739.63	☑	0.313	0.000	0.840	☐
782VMW-100	1138716.25	1174894.75	☑	0.180	0.000	0.749	☐
782VMW-101	1138910.75	1174658.13	☑	0.154	0.000	0.642	☐
782VMW-105B	1136605.13	1174207.50	☑	0.298	0.000	0.607	☐
782VMW-121	1138757.38	1174778.25	☑	0.075	0.000	0.454	☑
782VMW-121D	1138752.50	1174761.63	☑	0.055	0.000	0.369	☑
782VMW-76	1137171.88	1174418.25	☑	0.178	0.000	0.624	☐
782VMW-78	1137025.75	1174578.63	☑	0.245	0.000	0.618	☐
782VMW-81	1136784.75	1174370.00	☑	0.357	0.000	0.684	☐

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Griffiss AFB **State:** New York

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
782VMW-84	1137984.38	1174815.63	☑	0.194	0.000	0.630	☐
782VMW-84D	1138001.75	1174796.75	☑	0.177	0.000	0.555	☐
782VMW-93	1137325.38	1174569.75	☑	0.334	0.000	0.846	☐
782VMW-96	1137545.50	1174603.50	☑	0.318	0.000	0.594	☐
782VMW-98	1136359.75	1173953.00	☑	0.597	0.575	0.632	☐
AP2MW-3	1138743.75	1174551.13	☑	0.029	0.000	0.083	☐
sulfur							
782MW-10	1137498.38	1174739.63	☑	0.249	0.001	0.635	☐
782VMW-100	1138716.25	1174894.75	☑	0.235	0.128	0.356	☐
782VMW-101	1138910.75	1174658.13	☑	0.177	0.033	0.393	☐
782VMW-105B	1136605.13	1174207.50	☑	0.430	0.009	0.799	☐
782VMW-121	1138757.38	1174778.25	☑	0.178	0.017	0.271	☐
782VMW-121D	1138752.50	1174761.63	☑	0.118	0.026	0.224	☐
782VMW-76	1137171.88	1174418.25	☑	0.502	0.157	0.746	☐
782VMW-78	1137025.75	1174578.63	☑	0.365	0.075	0.552	☐
782VMW-81	1136784.75	1174370.00	☑	0.199	0.015	0.318	☐
782VMW-84	1137984.38	1174815.63	☑	0.379	0.078	0.726	☐
782VMW-84D	1138001.75	1174796.75	☑	0.330	0.149	0.577	☐
782VMW-93	1137325.38	1174569.75	☑	0.405	0.031	0.647	☐
782VMW-96	1137545.50	1174603.50	☑	0.715	0.507	0.967	☐
782VMW-98	1136359.75	1173953.00	☑	0.246	0.205	0.306	☐
AP2MW-3	1138743.75	1174551.13	☑	0.846	0.832	0.858	☐

Note: The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event; the larger the SF value of a well, the more important the well is and vice versa; the Average Slope Factor measures the overall well importance in the selected time period; the state coordinates system (i.e., X and Y refer to Easting and Northing respectively) or local coordinates systems may be used; wells that are NOT selected for analysis are not shown above.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Location Optimization

Results by Considering All COCs

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Griffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (11/14/2006) **to** Sample Event 13 (3/12/2013)

Well	X (feet)	Y (feet)	Number of COCs	COC-Averaged Slope Factor*	Abandoned?
782MW-10	1137498.38	1174739.63	3	0.284	☐
782VMW-100	1138716.25	1174894.75	3	0.367	☐
782VMW-101	1138910.75	1174658.13	3	0.146	☐
782VMW-105B	1136605.13	1174207.50	3	0.379	☐
782VMW-121	1138757.38	1174778.25	3	0.102	☐
782VMW-121D	1138752.50	1174761.63	3	0.096	☐
782VMW-76	1137171.88	1174418.25	3	0.277	☐
782VMW-78	1137025.75	1174578.63	3	0.263	☐
782VMW-81	1136784.75	1174370.00	3	0.233	☐
782VMW-84	1137984.38	1174815.63	3	0.268	☐
782VMW-84D	1138001.75	1174796.75	3	0.256	☐
782VMW-93	1137325.38	1174569.75	3	0.299	☐
782VMW-96	1137545.50	1174603.50	3	0.413	☐
782VMW-98	1136359.75	1173953.00	3	0.433	☐
AP2MW-3	1138743.75	1174551.13	3	0.338	☐

Note: the COC-Averaged Slope Factor is the value calculated by averaging those "Average Slope Factor" obtained earlier across COCs; to be conservative, a location is "abandoned" only when it is eliminated from all COCs; "abandoned" doesn't necessarily mean the abandon of well, it can mean that NO samples need to be collected for any COCs.

* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Frequency Optimization Results

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Griffiss AFB **State:** New York

The Overall Number of Sampling Events: 13

"Recent Period" defined by events: **From** Sample Event 1 (11/14/2006) **To** Sample Event 13 (3/12/2013)

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
chlorine	250	125	250	500
nitrate	10	5	10	20
sulfur	250	125	250	500

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
chlorine			
782MW-10	Biennial	Annual	Annual
782VMW-100	Biennial	Annual	Annual
782VMW-101	Biennial	Annual	Annual
782VMW-105B	Biennial	Annual	Annual
782VMW-121	Biennial	Annual	Annual
782VMW-121D	Biennial	Annual	Annual
782VMW-76	Biennial	Annual	Annual
782VMW-78	Annual	Annual	Annual
782VMW-81	Biennial	Annual	Annual
782VMW-84	Biennial	Annual	Annual
782VMW-84D	Annual	Annual	Annual
782VMW-93	Annual	Annual	Annual
782VMW-96	Biennial	Annual	Annual
782VMW-98	Annual	Annual	Annual
AP2MW-3	Biennial	Annual	Annual
nitrate			
782MW-10	Biennial	Annual	Annual
782VMW-100	Biennial	Annual	Annual
782VMW-101	Annual	Annual	Annual
782VMW-105B	Biennial	Annual	Annual
782VMW-121	Biennial	Annual	Annual
782VMW-121D	Biennial	Annual	Annual

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Griffiss AFB **State:** New York

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
782VMW-76	Biennial	Annual	Annual
782VMW-78	Biennial	Annual	Annual
782VMW-81	Biennial	Annual	Annual
782VMW-84	Biennial	Annual	Annual
782VMW-84D	Biennial	Annual	Annual
782VMW-93	Annual	Annual	Annual
782VMW-96	Biennial	Annual	Annual
782VMW-98	Annual	Annual	Annual
AP2MW-3	Biennial	Annual	Annual
sulfur			
782MW-10	Biennial	Annual	Annual
782VMW-100	Annual	Annual	Annual
782VMW-101	Annual	Annual	Annual
782VMW-105B	Biennial	Annual	Annual
782VMW-121	Annual	Annual	Annual
782VMW-121D	Annual	Annual	Annual
782VMW-76	Biennial	Annual	Annual
782VMW-78	Biennial	Annual	Annual
782VMW-81	Biennial	Annual	Annual
782VMW-84	Biennial	Annual	Annual
782VMW-84D	Biennial	Annual	Annual
782VMW-93	Biennial	Annual	Annual
782VMW-96	Biennial	Annual	Annual
782VMW-98	Annual	Annual	Annual
AP2MW-3	Biennial	Annual	Annual

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.

MAROS Mann-Kendall Statistics Summary

Project: On-Base Groundwater Apron 2
User Name: Katrina Mattice
Location: Grfiffiss AFB
State: New York

Time Period: 11/14/2006 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
CARBONATE (AS CO3)								
782MW-10	T	13	13	0.06	-29	95.6%	No	D
782VMW-100	T	12	12	0.29	8	68.1%	No	NT
782VMW-101	T	13	13	0.08	11	72.5%	No	NT
782VMW-105B	S	13	13	0.10	9	68.4%	No	NT
782VMW-121	T	12	12	0.06	-18	87.5%	No	S
782VMW-121D	T	12	12	0.05	-49	100.0%	No	D
782VMW-76	T	13	13	0.19	20	87.4%	No	NT
782VMW-78	T	13	13	0.06	-53	100.0%	No	D
782VMW-81	S	13	13	0.04	9	68.4%	No	NT
782VMW-84	T	13	13	0.29	-38	98.9%	No	D
782VMW-84D	T	9	9	0.49	7	72.8%	No	NT
782VMW-93	T	8	8	0.26	-13	92.9%	No	PD
782VMW-96	T	8	8	0.03	-7	76.4%	No	S
782VMW-98	S	2	2	0.00	0	0.0%	No	N/A
AP2MW-3	T	6	6	0.02	7	86.4%	No	NT

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)- Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Linear Regression Statistics Summary

Project: On-Base Groundwater Apron 2

User Name: Katrina Mattice

Location: Grfiffiss AFB

State: New York

Time Period: 11/14/2006 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
CARBONATE (AS CO3)									
782MW-10	T	2.6E+02	2.6E+02	1.4E+01	No	-4.3E-05	0.06	95.9%	D
782VMW-100	T	2.3E+02	2.1E+02	6.6E+01	No	3.6E-05	0.29	58.4%	NT
782VMW-101	T	3.1E+02	3.2E+02	2.5E+01	No	2.9E-05	0.08	77.6%	NT
782VMW-105	S	2.3E+02	2.4E+02	2.4E+01	No	2.3E-05	0.10	67.2%	NT
782VMW-121	T	3.1E+02	3.2E+02	1.9E+01	No	-3.3E-05	0.06	81.7%	S
782VMW-121	T	3.4E+02	3.4E+02	1.7E+01	No	-8.2E-05	0.05	100.0%	D
782VMW-76	T	3.0E+02	3.1E+02	5.8E+01	No	1.4E-04	0.19	87.8%	NT
782VMW-78	T	2.4E+02	2.3E+02	1.4E+01	No	-7.6E-05	0.06	100.0%	D
782VMW-81	S	2.2E+02	2.2E+02	9.3E+00	No	9.8E-06	0.04	100.0%	I
782VMW-84	T	2.9E+02	3.0E+02	8.3E+01	No	1.9E-04	0.29	70.0%	NT
782VMW-84D	T	2.2E+02	2.6E+02	1.1E+02	No	5.5E-04	0.49	84.4%	NT
782VMW-93	T	3.3E+02	3.2E+02	8.7E+01	No	-2.4E-04	0.26	89.6%	S
782VMW-96	T	3.2E+02	3.2E+02	1.0E+01	No	-1.5E-05	0.03	83.0%	S
782VMW-98	S	2.0E+02	2.0E+02	7.1E+00	No	0.0E+00	0.00	0.0%	N/A
AP2MW-3	T	3.6E+02	3.7E+02	8.2E+00	No	2.8E-05	0.02	91.6%	PI

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Non-detect (ND); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); COV = Coefficient of Variation

MAROS Statistical Trend Analysis Summary

Project: On-Base Groundwater Apron 2

Location: Grfiffiss AFB

User Name: Katrina Mattice

State: New York

Time Period: 11/14/2006 **to** 3/12/2013

Consolidation Period: No Time Consolidation

Consolidation Type: Median

Duplicate Consolidation: Average

ND Values: 1/2 Detection Limit

J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Average Conc. (mg/L)	Median Conc. (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
CARBONATE (AS CO3)								
782MW-10	T	13	13	2.6E+02	2.6E+02	No	D	D
782VMW-100	T	12	12	2.3E+02	2.1E+02	No	NT	NT
782VMW-101	T	13	13	3.1E+02	3.2E+02	No	NT	NT
782VMW-105B	S	13	13	2.3E+02	2.4E+02	No	NT	NT
782VMW-121	T	12	12	3.1E+02	3.2E+02	No	S	S
782VMW-121D	T	12	12	3.4E+02	3.4E+02	No	D	D
782VMW-76	T	13	13	3.0E+02	3.1E+02	No	NT	NT
782VMW-78	T	13	13	2.4E+02	2.3E+02	No	D	D
782VMW-81	S	13	13	2.2E+02	2.2E+02	No	NT	I
782VMW-84	T	13	13	2.9E+02	3.0E+02	No	D	NT
782VMW-84D	T	9	9	2.2E+02	2.6E+02	No	NT	NT
782VMW-93	T	8	8	3.3E+02	3.2E+02	No	PD	S
782VMW-96	T	8	8	3.2E+02	3.2E+02	No	S	S
782VMW-98	S	2	2	2.0E+02	2.0E+02	No	N/A	N/A
AP2MW-3	T	6	6	3.6E+02	3.7E+02	No	NT	PI

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); No Detectable Concentration (NDC)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Spatial Moment Analysis Summary

Project: On-Base Groundwater Apron 2

Location: Grfiffiss AFB

User Name: Katrina Mattice

State: New York

	0th Moment	1st Moment (Center of Mass)			2nd Moment (Spread)		
Effective Date	Estimated Mass (Kg)	Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)	Number of Wells
CARBONATE (AS CO3)							
11/14/2006	3.5E+04	1,137,579	1,174,487	1,013	161,212	25,874	10
9/24/2008	4.6E+04	1,137,746	1,174,520	1,183	270,211	33,394	15
12/30/2008	2.5E+04	1,137,864	1,174,603	1,320	226,226	17,241	12
3/25/2009	2.7E+04	1,137,744	1,174,578	1,198	199,886	16,113	13
6/16/2009	2.6E+04	1,137,732	1,174,574	1,185	201,333	16,406	13
9/21/2009	3.3E+04	1,137,832	1,174,575	1,281	242,293	17,483	13
4/15/2010	3.1E+04	1,137,850	1,174,577	1,299	239,870	16,777	13
9/28/2010	3.6E+04	1,137,872	1,174,586	1,323	230,340	16,653	13
4/5/2011	2.8E+04	1,137,823	1,174,596	1,278	204,870	15,505	11
9/13/2011	3.6E+04	1,137,866	1,174,583	1,316	232,875	16,639	12
4/10/2012	3.1E+04	1,137,806	1,174,594	1,262	214,223	17,266	11
9/25/2012	3.7E+04	1,137,865	1,174,583	1,315	237,561	18,347	13
3/12/2013	3.1E+04	1,137,812	1,174,594	1,268	210,780	17,168	11

Project: On-Base Groundwater Apron 2

Location: Grfiffiss AFB

User Name: Katrina Mattice

State: New York

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	CARBONATE (AS CO3)	0.18	10	70.5%	NT
1st Moment: Distance to Source					
	CARBONATE (AS CO3)	0.07	24	91.8%	PI
2nd Moment: Sigma XX					
	CARBONATE (AS CO3)	0.12	6	61.7%	NT
2nd Moment: Sigma YY					
	CARBONATE (AS CO3)	0.27	-10	70.5%	S

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.29 **Saturated Thickness:** Uniform: 20 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

Note: The Sigma XX and Sigma YY components are estimated using the given field coordinate system and then rotated to align with the estimated groundwater flow direction. Moments are not calculated for sample events with less than 6 wells.

MAROS Plume Analysis Summary

Project: On-Base Groundwater Apron 2

User Name: Katrina Mattice

Location: Grfiffiss AFB

State: New York

Time Period: 11/14/2006 **to** 3/12/2013

Consolidation Period: No Time Consolidation

Consolidation Type: Median

Duplicate Consolidation: Average

ND Values: 1/2 Detection Limit

J Flag Values : Actual Value

Constituent	Well	Source/ Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
CARBONATE (AS CO3)											
	782MW-10	T	13	13	2.6E+02	2.6E+02	No	D	D	N/A	N/A
	782VMW-100	T	12	12	2.3E+02	2.1E+02	No	NT	NT	N/A	N/A
	782VMW-101	T	13	13	3.1E+02	3.2E+02	No	NT	NT	N/A	N/A
	782VMW-105B	S	13	13	2.3E+02	2.4E+02	No	NT	NT	N/A	N/A
	782VMW-121	T	12	12	3.1E+02	3.2E+02	No	S	S	N/A	N/A
	782VMW-121D	T	12	12	3.4E+02	3.4E+02	No	D	D	N/A	N/A
	782VMW-76	T	13	13	3.0E+02	3.1E+02	No	NT	NT	N/A	N/A
	782VMW-78	T	13	13	2.4E+02	2.3E+02	No	D	D	N/A	N/A
	782VMW-81	S	13	13	2.2E+02	2.2E+02	No	NT	I	N/A	N/A
	782VMW-84	T	13	13	2.9E+02	3.0E+02	No	D	NT	N/A	N/A
	782VMW-84D	T	9	9	2.2E+02	2.6E+02	No	NT	NT	N/A	N/A
	782VMW-93	T	8	8	3.3E+02	3.2E+02	No	PD	S	N/A	N/A
	782VMW-96	T	8	8	3.2E+02	3.2E+02	No	S	S	N/A	N/A
	782VMW-98	S	2	2	2.0E+02	2.0E+02	No	N/A	N/A	N/A	N/A
	AP2MW-3	T	6	6	3.6E+02	3.7E+02	No	NT	PI	N/A	N/A

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Site Results

Project: On-Base Groundwater Apron 2

User Name: Katrina Mattice

Location: Grfiffiss AFB

State: New York

User Defined Site and Data Assumptions:

Hydrogeology and Plume Information:

Groundwater Seepage Velocity: 106 ft/yr

Current Plume Length: 2350 ft

Current Plume Width 440 ft

Number of Tail Wells: 12

Number of Source Wells: 3

Source Information:

Source Treatment: In-situ Biodegradation

NAPL is not observed at this site.

Down-gradient Information:

Distance from Edge of Tail to Nearest:

Down-gradient receptor: 50 ft

Down-gradient property: 50 ft

Distance from Source to Nearest:

Down-gradient receptor: 2400 ft

Down-gradient property: 2400 ft

Data Consolidation Assumptions:

Time Period: 11/14/2006 **to** 3/12/2013
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value

Plume Information Weighting Assumptions:

Consolidation Step 1. Weight Plume Information by Chemical
Summary Weighting: Weighting Applied to All Chemicals Equally
Consolidation Step 2. Weight Well Information by Chemical
Well Weighting: No Weighting of Wells was Applied.
Chemical Weighting: No Weighting of Chemicals was Applied.

Note: These assumptions were made when consolidating the historical montoring data and lumping the Wells and COCs.

1. Compliance Monitoring/Remediation Optimization Results:

Preliminary Monitoring System Optimization Results: Based on site classification, source treatment and Monitoring System Category the following suggestions are made for site Sampling Frequency, Duration of Sampling before reassessment, and Well Density. These criteria take into consideration: Plume Stability, Type of Plume, and Groundwater Velocity.

COC	Tail Stability	Source Stability	Level of Effort	Sampling Duration	Sampling Frequency	Sampling Density
CARBONATE (AS CO3)	S	PI	M	Remove treatment system if previously reducing concentation	No Recommendation	36

Note:

Plume Status: (I) Increasing; (PI)Probably Increasing; (S) Stable; (NT) No Trend; (PD) Probably Decreasing; (D) Decreasing

Design Categories: (E) Extensive; (M) Moderate; (L) Limited (N/A) Not Applicable, Insufficient Data Available

Level of Monitoring Effort Indicated by Analysi Moderate

2. Spatial Moment Analysis Results:

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	CARBONATE (AS CO3)	0.18	10	70.5%	NT
1st Moment: Distance to Source					
	CARBONATE (AS CO3)	0.07	24	91.8%	PI
2nd Moment: Sigma XX					
	CARBONATE (AS CO3)	0.12	6	61.7%	NT
2nd Moment: Sigma YY					
	CARBONATE (AS CO3)	0.27	-10	70.5%	S

Note: The following assumptions were applied for the calculation of the Zeroth Moment:

Porosity: 0.29 **Saturated Thickness:** Uniform: 20 ft

Mann-Kendall Trend test performed on all sample events for each constituent. Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events).

MAROS Sampling Location Optimization Results

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Grfiffiss AFB **State:** New York

Sampling Events Analyzed: **From** Sample Event 1 (11/14/2006) **to** Sample Event 13 (3/12/2013)

Parameters used:

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
CARBONATE (AS CO3)	0.1	0.01	0.95	0.95

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
CARBONATE (AS CO3)							
782MW-10	1137498.38	1174739.63	☑	0.024	0.003	0.049	☐
782VMW-100	1138716.25	1174894.75	☑	0.056	0.006	0.122	☐
782VMW-101	1138910.75	1174658.13	☑	0.021	0.001	0.038	☐
782VMW-105B	1136605.13	1174207.50	☑	0.058	0.016	0.098	☐
782VMW-121	1138757.38	1174778.25	☑	0.009	0.000	0.022	☑
782VMW-121D	1138752.50	1174761.63	☑	0.022	0.008	0.042	☑
782VMW-76	1137171.88	1174418.25	☑	0.045	0.011	0.124	☐
782VMW-78	1137025.75	1174578.63	☑	0.032	0.004	0.077	☐
782VMW-81	1136784.75	1174370.00	☑	0.032	0.016	0.050	☐
782VMW-84	1137984.38	1174815.63	☑	0.100	0.001	0.462	☐
782VMW-84D	1138001.75	1174796.75	☑	0.133	0.001	0.399	☐
782VMW-93	1137325.38	1174569.75	☑	0.031	0.003	0.102	☑
782VMW-96	1137545.50	1174603.50	☑	0.035	0.007	0.114	☑
782VMW-98	1136359.75	1173953.00	☑	0.064	0.061	0.065	☐
AP2MW-3	1138743.75	1174551.13	☑	0.025	0.010	0.034	☐

Note: The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event; the larger the SF value of a well, the more important the well is and vice versa; the Average Slope Factor measures the overall well importance in the selected time period; the state coordinates system (i.e., X and Y refer to Easting and Northing respectively) or local coordinates systems may be used; wells that are NOT selected for analysis are not shown above.
* When the report is generated after running the Excel module, SF values will NOT be shown above.

MAROS Sampling Frequency Optimization Results

Project: On-Base Groundwater Apron 2 **User Name:** Katrina Mattice

Location: Grfiffiss AFB **State:** New York

The Overall Number of Sampling Events: 13

"Recent Period" defined by events: **From** Sample Event 1 (11/14/2006) **To** Sample Event 13 (3/12/2013)

"Rate of Change" parameters used:

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
CARBONATE (AS CO3)	500	250	500	1000

Units: Cleanup Goal is in mg/L; all rate parameters are in mg/L/year.

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
CARBONATE (AS CO3)			
782MW-10	Annual	Annual	Annual
782VMW-100	Annual	Annual	Annual
782VMW-101	Annual	Annual	Annual
782VMW-105B	Annual	Annual	Annual
782VMW-121	Annual	Annual	Annual
782VMW-121D	Annual	Annual	Annual
782VMW-76	Annual	Annual	Annual
782VMW-78	Annual	Annual	Annual
782VMW-81	Biennial	Annual	Annual
782VMW-84	Annual	Annual	Annual
782VMW-84D	Annual	Annual	Annual
782VMW-93	Annual	Annual	Annual
782VMW-96	Annual	Annual	Annual
782VMW-98	Annual	Annual	Annual
AP2MW-3	Annual	Annual	Annual

Note: Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation; Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data; Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.