VOLUNTARY REMEDIATION PLAN STATUS REPORT NO. 5

THERMO KING CORPORATION
LOUISVILLE, JEFFERSON COUNTY, GEORGIA
HSI Site No. 10702

Submitted To:

GEORGIA ENVIRONMENTAL PROTECTION DIVISION
Atlanta, Georgia

Submitted By:

THERMO KING CORPORATION
Louisville, Georgia

Prepared By:

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
Kennesaw, Georgia

September 6, 2013

AMEC Project No. 6122-09-0322

September 6, 2013

Mr. David Brownlee
Response & Remediation Program
Land Protection Branch
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Atlanta, Georgia 30334-9000

Subject: **Voluntary Remediation Plan Status Report No. 5**
Thermo King Corporation - Louisville, Jefferson County, Georgia
HSI Site No. 10702 Tax Parcel 0090-024
AMEC Project 6122-09-0322

Dear Mr. Brownlee:

AMEC Environment & Infrastructure, Inc. (AMEC), on behalf of Thermo King Corporation is hereby submitting the attached Status Report No.5 for Voluntary Remediation Program Remediation Activities for the Thermo King Corporation in Louisville, Jefferson County, Georgia (HSI Site No. 10702, Tax Parcel 0090-024). This status report is required by the Voluntary Remediation Program (VRP) statue and requested by the Georgia Environmental Protection Division (EPD) in their comment letter dated March 10, 2011.

This status report covers the period from March 2013 to shortly before submittal of this status report in September 2013. The report includes information on the April 2013 seep sampling, July 2013 groundwater, seep, and surface water sampling, maintenance of the rip-rap blanket, and summary of professional hours.

Sincerely,

AMEC Environment & Infrastructure, Inc.

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Senior Geologist
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Enclosure

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TABLE OF CONTENTS

1.0 PE CERTIFICATION 1-1
2.0 INTRODUCTION AND BACKGROUND 2-1
3.0 WORK PERFORMED MARCH TO SEPTEMBER 2013 3-1
3.1 April 2013 Seep Sampling and July 2013 Groundwater, Seep, and Surface Water Sampling 3-1
3.1.1 Groundwater Elevations 3-1
3.1.2 Groundwater Samples 3-2
3.1.3 Seep Samples 3-2
3.1.4 Surface Water Samples 3-3
3.2 Analytical Results 3-3
3.2.1 Groundwater in the Uppermost Water-Bearing Zone and Colluvial/Alluvial Deposits 3-3
3.2.2 Groundwater in the Intermediate Water-Bearing Zone 3-4
3.2.3 Seeps 3-4
3.2.4 Surface Water 3-5
3.3 Update of Groundwater Fate and Transport Model 3-5
3.3.1 Uppermost Water-Bearing Zone 3-5
3.3.2 Intermediate Water-Bearing Zone 3-6
3.4 Rip-Rap Blanket Maintenance 3-7
3.5 Financial Assurance 3-7
3.6 Plant Closure Activities 3-8
4.0 WORK TO BE PERFORMED 4-1
4.1 Preparation and Execution of Environmental Covenant 4-1
4.2 Rip-Rap Blanket Maintenance 4-1
4.3 Semi-Annual Groundwater, Seep and Surface Water Sampling and Analysis 4-2
5.0 PROFESSIONAL SERVICES HOURS THIS PERIOD 5-1

LIST OF APPENDICES

Appendix A Laboratory Reports and Field Sampling Forms for April 20132 Seep Sampling and July 2013 Groundwater, Seep, and Surface Water Sampling Events

Appendix B July 2013 Photographs of the Rip-Rap Blanket

LIST OF TABLES

Table 1 Summary of Groundwater Elevations
Table 2 Summary of Detected Constituents in Groundwater Samples
Table 3 Summary of Detected Constituents in Seeps and Surface Water
Table 4 Summary of Hours Invoiced and Description of Services for Documentation of PE Direct Oversight for Voluntary Remediation Program Activities

LIST OF FIGURES

Figure 1 Potentiometric Surface Map for Uppermost Water-Bearing Zone July 2013
Figure 2 Potentiometric Surface Map for Intermediate Water-Bearing Zone July 2013
Figure 3 Time Trend of TCE in Uppermost Water Bearing Zone Wells
Figure 4 Time Trend of TCE in Seep MB#2 and Well MW-27
Figure 5 Time Trend of TCE in Intermediate Water Bearing Zone Wells
Figure 6 Time Trend of Cis-1,2-DCE in Intermediate Water Bearing Zone Wells
Figure 7 TCE in Groundwater (Distance vs. Concentration) - Intermediate Water Bearing Zone
Figure 8 Cis-1,2-DCE in Groundwater (Distance vs. Concentration) - Intermediate Water Bearing Zone
Figure 9 VC in Groundwater (Distance vs. Concentration) - Intermediate Water Bearing Zone
Figure 10 Updated Gantt Chart Schedule of VRP Activities

1.0 PE CERTIFICATION

"I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Gregory J. Wrenn/ Georgia P.E. #25565
Printed Name and GA PE Number

September 6, 2013
Date

Signature and Stamp

GEORGIA REGISTERED No. 025565 PROFESSIONAL ENGINEER GREGORY J. WRENN

2.0 INTRODUCTION AND BACKGROUND

This Voluntary Remediation Plan Semi-Annual Status Report No. 5 (Status Report) was prepared in accordance with the Voluntary Remediation Program (VRP) for the Thermo King Corporation site, Hazardous Site Inventory (HSI) No. 10702/Tax Parcel 0090-024. EPD requested in their March 10, 2011 approval letter that status reports be submitted in September and March. This fifth Status Report covers the activities conducted from March 2013 until shortly before the submittal of this status report (September 2013).

The Thermo King site is located at 1430 Highway 24 East in Louisville, Jefferson County, Georgia. The site soil and groundwater impacts were delineated under the Georgia Hazardous Site Response Act (HSRA) and certified to risk reduction standards. HSRA Compliance Status Reports were prepared and submitted December 17, 2003 and March 21, 2007. EPD approved the Compliance Status Report and requested a Corrective Action Plan (CAP). An initial VRP Application, dated January 29, 2010 and an Addendum, dated December 22, 2010, were submitted to EPD to enter the site into the VRP. The VRP Application was submitted in lieu of a HSRA CAP. The VRP Application Addendum contained a revised Voluntary Investigation and Remediation Plan (VIRP) and addressed EPD comment letters dated May 17, August 31, and October 15, 2010. On March 10, 2011, EPD approved the VIRP and accepted the Thermo King site into the VRP. Four Status Reports have been submitted to EPD covering the time period from March 2011 to March 2013. This fifth Status Report documents the semi-annual groundwater, seep and surface water monitoring, a seep sampling event conducted in April 2013, and the maintenance of the rip-rap blanket.

3.0 WORK PERFORMED MARCH TO SEPTEMBER 2013

The activities currently identified to be performed at the Thermo King site under the VRP are outlined in the VIRP, dated December 22, 2010, the EPD VIRP approval letter dated March 10, 2011, and the EPD VIRP comment letter dated March 10, 2011. The activities that have been performed since March 8, 2013 have included a quarterly seep sampling (April 2013); semi-annual groundwater, seep, and surface water sampling and analysis (July 2013); and maintenance of the rip-rap blanket. These activities are described in the following sections.

3.1 April 2013 Seep Sampling and July 2013 Groundwater, Seep, and Surface Water Sampling

3.1.1 Groundwater Elevations

Prior to collecting samples for groundwater quality analysis, groundwater elevations were measured as noted below:

- 14 Uppermost Water-Bearing Zones (UWBZ) wells (MW-1 to MW-13, and MW-19).
- 5 wells screened in the colluvial/alluvial soils adjacent to Manson Branch (MW-15, MW-16, MW-26, MW-27, and MW-28).
- 8 Intermediate Water-Bearing Zone (IWBZ) wells (MW-14, MW-17, MW-18, MW-20, MW-21, MW-22, MW-23, and MW-25).
- 1 well (MW-24) screened in the lower water-bearing zone.

Groundwater elevations are summarized on Table 1. Beginning in June 2010, groundwater elevations in both the UWBZ and IWBZ exhibited a decreasing trend that appeared to stabilize in 2012. During this period, the uppermost zone wells generally showed a 2 to 3-foot decrease in groundwater elevations while the groundwater elevations in the intermediate zone wells decreased by 1 to 2 feet. The decreasing trend was attributed to the on-going drought conditions in eastern central Georgia. Louisville received a total of 38.2 inches of rainfall for all of calendar year 2012. In the first eight months of 2013, Louisville has received a total of 55 inches of rainfall. During this period groundwater elevations rose due to this increased rainfall. On average, groundwater elevations in July 2013 in the UWBZ were 2 feet higher while groundwater elevations in the IWBZ were about 1.5 feet higher in comparison to July 2012 elevations. The groundwater elevations in the 5 alluvial wells were nearly 4 feet higher. Potentiometric surface maps of the UWBZ and IWBZ based on groundwater level measurements made on July 8, 2013 are presented on Figures 1 and 2. The July 2013 groundwater flow direction in both water-bearing zones is consistent with previous interpretations.

3.1.2 Groundwater Samples

Groundwater samples were collected from monitoring wells MW-3, MW-5, MW-10, MW-14, MW-19, MW-20, MW-22, MW-25, MW-27, and MW-28 on July 9 through 11, 2013. Low flow/low stress purging methodology employing bladder pumps and a peristaltic pump was used to purge and sample the monitoring wells in general accordance with USEPA Region 4 Science and Ecosystem Support Division (SESD) Groundwater Sampling Procedure SESDPROC-301-R3. The depths where the pumps and tubing intakes were positioned for sampling are indicated on the field sampling forms in Appendix A. The groundwater samples were analyzed for site-specific volatile organic compounds (VOCs) using USEPA Method 8260B. Those monitoring wells (MW-5, MW-14, MW-19, MW-20, MW-25, MW-27, and MW-28) with prior consistent detections of chlorinated VOCs were also analyzed for 1,4-dioxane using USEPA Method 8260B selective ion monitoring (SIM) to achieve a lower quantitation limit. Monitoring wells which have had sporadic trace detections of chlorinated VOCs like MW-3, MW-10 or have been non-detect, like MW-22, were not analyzed using the SIM method because there was no indication 1,4-dioxane should be present at these locations, i.e., chlorinated VOCs were not present. The monitoring well locations are shown on potentiometric surface maps Figures 1 and 2 for the Uppermost and Intermediate Water Bearing Zones, respectively. Groundwater sample analytical results are summarized on Table 2 and laboratory reports are in Appendix A. The 2013 groundwater samples were analyzed by Test America laboratory in North Canton, Ohio.

3.1.3 Seep Samples

Toluene was unexpectedly detected in the July 2012 seep samples. Subsequently, quarterly sampling of the seeps was voluntarily implemented by Thermo King to further evaluate the presence of toluene in the seeps. The first quarterly sampling event was conducted on November 19, 2012. The second quarterly sampling event was conducted on January 8, 2013 as part of the first semi-annual sampling event for year 2013. The third quarterly sampling event was conducted on April 11, 2013 and the fourth quarterly sampling was conducted July 10, 2013 as part of the second semi-annual sampling event for year 2013. Except when seeps were dry, seep water samples were collected during each of the quarterly events from the seven seeps (MB#2, Seep #2, Seep B, Seep G, Seep H, Seep I, and Seep L) as listed in the VIRP. Seeps MB #2 and H are now each encased in a perforated plastic culvert-style pipe inserted into the rip-rap blanket over the original seep locations. Samples of the seep water were collected by directly filling the pre-cleaned and preserved sample containers with water that appeared at the ground surface. These seep samples were analyzed for site-specific VOCs including 1,4-dioxane using USEPA Method 8260B. The seep sample analytical results are summarized on Table 3 and the laboratory reports are provided in Appendix A. The April and July 2013 seep samples were analyzed by Test America laboratory in North Canton, Ohio.

3.1.4 Surface Water Samples

Surface water samples were collected from Manson Branch on July 10, 2013. Surface water samples were collected from four stream locations (MB #3, MB #5, MB #15, and MB#16). The stream sample locations are shown on Figure 1. Samples of the surface water were collected by submerging and directly filling the pre-cleaned and preserved sample containers with surface water. The surface water samples were analyzed for site-specific VOCs and 1,4-dioxane using USEPA Method 8260B. The surface water sample analytical results are summarized on Table 3, and the laboratory reports are provided in Appendix A. The surface water samples were analyzed by Test America laboratory in North Canton, Ohio.

3.2 Analytical Results

The following sections describe the results of the analysis of groundwater, seep, and surface water samples collected on April 11, 2013 and from July 9 to 11, 2013.

3.2.1 Groundwater in the Uppermost Water-Bearing Zone and Colluvial/Alluvial Deposits

Groundwater samples were collected during the July 9 to 11, 2013 sampling event from UWBZ monitoring wells MW-3, MW-5, MW-10, and MW-19. Monitoring wells MW-27 and MW-28, which screen the colluvial/alluvial deposits associated with Manson Branch, were also sampled. The analytical results for these wells are summarized on Table 2. Constituent concentrations reported in samples from these wells are similar to those reported from 2010 through 2012 as indicated on Figures 3 and 4. In MW-19, where TCE concentrations are sampled just upgradient of where groundwater begins to discharge to seeps located on the slope above Manson Branch, the TCE concentration in the July 2013 sample was 5000 µg/L. MW-19 TCE concentrations previously reported from 2010 through January 2013 ranged from 4000 µg/L to 6400 µg/L. MW-19 TCE concentrations reported earlier, in 2003 and 2004, ranged from 8,000 to 20,000 µg/L.

Well MW-5 located in the former south settling pond and upgradient of well MW-19 had a slight increase in TCE in July 2013 (370 µg/L). The July concentration was slightly higher than the concentrations from 2010 to January 2013 (160 to 250 µg/L), but less than historical concentrations that were a magnitude higher. Four constituents (hexachlorobutadiene, naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene) were detected at 1.1 to 1.5 µg/L in the groundwater sample from well MW-5 in July 2013. These constituents have not been detected in groundwater samples from the Louisville site in over 10 years of water monitoring. Based on the low concentrations, barely above the quantitation limit, and anomalous detection, the four constituents are considered to be laboratory artifacts and not present in the groundwater at the site.

3.2.2 Groundwater in the Intermediate Water-Bearing Zone

Groundwater samples were collected from IWBZ monitoring wells MW-14, MW-20, MW-22, and MW-25 during the July 2013 sampling event. The analytical results for these wells are summarized on Table 2. The primary constituents detected are TCE, cis-1,2-dichloroethene (DCE), 1,1-dichloroethene, and vinyl chloride (VC). The July 2013 results for wells MW-14, MW-20, MW-25 are generally similar to those reported in 2010 through January 2013. In well MW-20 located downgradient of the former south settling pond, the DCE concentration in the July 2013 sample was 360 µg/L. DCE concentrations previously reported from 2010 through January 2013 ranged from 170 µg/L to 320 µg/L. Constituents were not detected in well MW-22.

3.2.3 Seeps

Toluene was unexpectedly detected in four of the 5 July 2012 seep samples, at concentrations ranging from 6.4 µg/L in Seep G to 170 µg/L and 180 µg/L in Seeps H and MB #2, respectively. Except in June 2011, when toluene was reported in Seep MB#2, Seep #2, and Seep I at 2.0 to 2.5 µg/L, toluene had not been previously detected in the area. The only other toluene detection in a seep sample was a one-time reported detection of toluene (280 µg/L) in Seep J (located some 430 feet north of Seep MB#2) in 2003. Previous one-time toluene detections in groundwater occurred in samples from 6 different groundwater borings or wells in 2000, at concentrations ranging from 1.3 to 6.8 µg/L, and in two wells in 2003, at concentrations of 5.7 and 29 µg/L. Toluene was not detected in any groundwater or seep samples between 2003 and 2011.

The seeps were re-sampled on August 7, 2012 to provide data to further assess the July 2012 toluene detections. Samples were collected from Seep MB #2, Seep G, Seep H and Seep #2 (Seeps B, I, and L were moist but had no surface expression of water for sampling). The reported August toluene concentrations were much lower than those reported in the July seep samples, dropping from 180 µg/L to 22 µg/L at MB #2 and from 6.4 µg/L to 2.4 µg/L at Seep G. Subsequently, toluene was not detected in six of the seven seep samples collected in November 2012 or in the seven January 2013 seep samples. Toluene was detected in one of the seven seep samples in April 2013, at 12 µg/L in Seep B, where toluene had not been previously detected. In July 2013, toluene was also detected in the seep samples from Seeps B and H at concentrations of 1.5 and 1.8 µg/L, respectively. The toluene concentrations are well below the Georgia In-stream Water Quality Criteria (ISWQC) (5980 µg/L). Based on the recent data, toluene is decreasing and is not considered to be a constituent of concern. Quarterly seep sampling will be discontinued and semi-annual seep sampling will continue as confirmation monitoring for toluene.

In addition to the unexpected detection of toluene in seep samples collected following placement of the rip-rap blanket (blanket construction completed in May 2012), changes in the presence and concentration of VOCs in some seep samples were observed. Prior to mid-2012, VOC concentrations in seep samples had been relatively consistent. Following rip-rap placement, more variability in seep sample constituents and concentrations were observed, particularly in seep samples from the "upgradient" seeps MB #2 and H. At MB #2, TCE concentrations decreased from several hundred µg/L to non-detect (Figure 4) while TCE concentrations in Seep H samples increased from approximately 40 µg/L to 600 to 800 µg/L. Some variations in other detected VOCs at these two seep locations was also observed. These changes in the magnitude of TCE concentrations observed in Seeps MB#2 and H following rip-rap construction continued during the current reporting period.

Following rip-rap construction, both MB #2 and Seep H are sampled in perforated plastic culvert-style pipe inserted into the rip-rap blanket over the original locations of the seeps. The revised sampling technique may be in part responsible for the observed analytical variations as may have been some interaction with the toluene. Seep pathways may have been altered by the rip-rap placement. VOC concentrations in the other seep locations, located downgradient from the terminus of the rip-rap blanket (between the blanket terminus and Manson Branch), have shown little changes in constituents present or in constituent concentrations. Currently, the vinyl chloride concentrations in MB#2 and TCE concentrations in Seep H exceed Georgia ISWQC. The results of subsequent seep sampling events will be monitored to confirm post rip-rap construction concentration trends.

None of the seep sample results indicate that VOCs are present at locations beyond the rip-rap blanket at concentrations exceeding Georgia ISWQC.

3.2.4 Surface Water

Surface water samples collected from the 4 designated sampling locations in Manson Branch were analyzed for site-specific VOCs and 1,4-dioxane. Consistent with sampling results for the past 10 years, no constituents were detected (Table 3).

3.3 Update of Groundwater Fate and Transport Model

3.3.1 Uppermost Water-Bearing Zone

In response to comments received in EPD's July 16, 2012 letter regarding the flow of groundwater from the UWBZ to Manson Branch, as discussed in Appendix D of the VRP Application (December 22, 2010), additional information was provided to support Thermo King's position that discharges of contaminants in groundwater from the UWBZ were at concentrations well below those levels that would result in TCE exceedances in Manson Branch. This

supplemental information provided as response to EPD's July 16, 2012 comments #2 and #3 was previously submitted in Appendix A of Status Report No. 3 (September 10, 2012) and in Status Report No. 4 in Appendix B. This included expanded-scale topographic /stratigraphic/hydrologic cross-sections that more clearly illustrated the pathway of flow of groundwater and associated contaminants from the UWBZ to seeps along the valley sides, and then through the valley floor colluvial/alluvial soils to discharge into Manson Branch. The responses also incorporated additional discussion, including calculations, to illustrate that at the present concentration and discharge rate of the groundwater and associated contaminants from the UWBZ, the potential maximum impact to Manson Branch would be well below ISWQC.

TCE concentrations detected in the July 2013 sampling event are similar to those concentrations detected from 2010 to January 2013. In July 2013, TCE in the UWBZ well MW-19 was 5000 µg/L; TCE in the colluvial/alluvial wells MW-27/MW-28 was 1.2 and 13 µg/L, respectively; and TCE in the 7 seep samples ranged from 1.2 to 490 µg/L. The TCE concentrations from 2010 through January 2013 (Tables 2 and 3) ranged from 4000 to 6400 µg/L in UWBZ well MW-19, from 1.4 to 1700 µg/L in seep samples, and from 1.2 to 15 µg/L in colluvial/alluvial wells MW-27 and MW-28. As discussed in the previous Status Report Appendices referenced in the above paragraph, the potential impact to Manson Branch associated with these contaminant concentrations and hydrologic flow conditions should continue to be well below the TCE ISWQC of 30 µg/L.

Also noted is that in more than 11 years of monitoring for VOC concentrations in surface water samples from Manson Branch, none have been detected.

3.3.2 Intermediate Water-Bearing Zone

A contaminant migration model for TCE, DCE, and VC in the Intermediate Zone was presented in Appendix C of the September 2011 VRP Status Report No. 1. This model illustrated the downgradient migration of these constituents to their maximum extent and subsequent retreat and showed the maximum constituent concentrations at the property boundary, the proposed point of exposure (POE), would not exceed the laboratory reporting limit of one µg/L before the plumes retreated.

The July 2013 groundwater sampling results for Intermediate Zone monitoring wells MW-14, MW-20, and MW-25, are presented on Table 2. Constituents have not been detected in well MW-22 samples. As illustrated on Figures 5 and 6, the July 2013 results (time trends) for TCE and DCE in these wells are similar to those recently reported. Figures 7, 8, and 9 (distance versus concentration graphs for Intermediate Zone wells) illustrate recent (2011 through 2013) concentrations versus those modeled predictions (Appendix A in Status Report No. 3) and show that the 2013 constituent concentrations approximate the model projected concentrations.

Constituent concentrations in the IWBZ will continue to be monitored in accordance with the approved VRP and the model may be recalibrated, as appropriate, as additional data are collected.

3.4 Rip-Rap Blanket Maintenance

As indicated in VRP Status Report No. 3, heavy rainfalls that occurred prior to the establishment of a vegetative cover in the graded area following rip-rap blanket construction resulted in erosion along the graded embankment and along the sides of the rip-rap flume leading down to the rip-rap blanket and in substantial sediment accumulation in the catch basin at the base of the rip-rap flume. Maintenance activities conducted in November 2012 consisted of placement of additional rip-rap to fill in erosional features and widen the rip-rap flume. Additional surface grading was also conducted to divert some storm water away from the rip-rap blanket areas and to better control surface water runoff into the rip-rap flume/blanket areas. Several rip-rap check dams were also installed in drainage pathways upslope from the rip-rap blanket to decrease the storm water run-off velocity. Following completion of these maintenance activities, additional seeding of the area was conducted to establish a thicker vegetative cover to assist in erosion control. Subsequent inspections of the area, conducted in April and July 2013, show that a suitable vegetative cover has been established over the disturbed areas, erosion was adequately addressed, and water was flowing beneath the rip-rap surface. Photographs from the July 2013 inspection (Appendix B) show the condition of the blanket and the establishment of the vegetative cover.

3.5 Financial Assurance

An updated financial assurance for 2013 was submitted to EPD on May 1, 2013. An Irrevocable Standby Letter of Credit that automatically renews annually was provided to the EPD in May 2011 for the VRP financial assurance. The rip-rap construction has been completed and the ongoing VRP activities currently are maintenance of the rip-rap blanket and semi-annual groundwater, seep, and surface water monitoring and reporting. Because the full amount of the financial assurance for VRP implementation remains in effect and only monitoring/reporting are left to complete, the current financial assurance is sufficient for the site. The 2013 financial assurance indicated that the current estimated cost for VRP implementation is lower than the current letter of credit amount, provided the corrective action strategy does not change and the cost estimate remains the same or lower than the financial assurance amount previously submitted.

3.6 Plant Closure Activities

Thermo King Corporation ceased manufacturing operations at the Louisville plant near the end of 2012. Since then, closure activities have been conducted to remove materials and equipment from the facility. As part of the plant close-out activities, the on-site wastewater treatment plant was decommissioned in early 2013. Ingersoll Rand Company and Thermo King Corporation submitted a letter to EPD requesting the Industrial Pre-Treatment Permit WQ-IP-035 for the Thermo King Corporation facility be terminated. A public notice was published in the local newspaper advertising the request to terminate the permit. EPD rescinded the Industrial Pre-Treatment Permit WQ-IP-035 in a letter dated May 23, 2013. The building and property are currently for sale.

4.0 WORK TO BE PERFORMED

Several of the activities currently identified in the VIRP and in the EPD March 10, 2011 letters have been completed or are in progress during this reporting period. A few activities are left to be performed. These activities include preparation and execution of the environmental covenant and continued maintenance of the riprap blanket. The sections below describe the status of continuing activities and those yet to be completed. Figure 10 is the updated Gantt Chart Schedule of VRP Activities.

4.1 Preparation and Execution of Environmental Covenant

An environmental covenant is proposed as an institutional control for the Thermo King site. The institutional control will be used to maintain an incomplete pathway of exposure to impacted groundwater by restricting its use in conformance with the Georgia Uniform Environmental Covenants (UEC) Act. The covenant will also designate a portion of the floor slab as an exposure barrier to impacted soil beneath the slab. The covenant and VIRP will specify inspections of the floor slab to document the integrity and function of the floor slab as an exposure barrier. Additionally, the covenant will direct that additional environmental sampling and subsurface investigation continue to be conducted under the direction of site-specific health and safety plans. A draft environmental covenant was presented in the Addendum to the VRP Application and EPD provided comments in a March 10, 2011 letter.

EPD provided further comments (July 16, 2012) on the covenant requesting that the properties to the north of Highway 24 and the Thermo King facility be listed as abutting properties on the covenant. Thermo King provided regulatory definition that the properties did not qualify as abutting properties and should not be listed on the covenant. In a July 22, 2013 email from EPD's Ms. Kristen Ritter, EPD will require the properties across Highway 24 to be notified per Item 10 of the Activity and/or Use Limitation(s) section of the covenant. The environmental covenant is in the process of being revised and is anticipated to be executed before the end of the year.

4.2 Rip-Rap Blanket Maintenance

Maintenance of the rip-rap blanket area will be conducted as necessary to clean sediment/debris out of the check dams, to maintain the surface water runoff drainage patterns, and to maintain adequate vegetative cover to control erosion. Inspections of the area will be conducted in conjunction with future scheduled sampling events; further maintenance activities will be scheduled, as necessary, following these inspections.

4.3 Semi-Annual Groundwater, Seep and Surface Water Sampling and Analysis

The next semi-annual groundwater, seep, and surface water sampling will be conducted in December 2013 to early January 2014. The ten monitoring wells, seven seeps and four Manson Branch surface water locations will be sampled and analyzed using the procedures described in Sections 3.1.2 to 3.1.4. The results will be presented in the next Status Report.

5.0 PROFESSIONAL SERVICES HOURS THIS PERIOD

Approximately 313.6 professional service hours have been provided by AMEC Environment & Infrastructure, Inc. from February 2013 through August 23, 2013. A table of the breakdown of AMEC hours by month along with a description of the services provided is presented on Table 4. The registered professional engineer responsible for implementation of the VRP at this site is Mr. Gregory Wrenn. Mr. Wrenn has personally charged 36.5 labor hours to the project to direct and review the various aspects of implementation of the VRP during this reporting period.

TABLES

TABLE 1: SUMMARY OF GROUNDWATER ELEVATIONS

Monitoring Well	Water-Bearing Zone Screened	Top of Casing Elevation (ft, NAVD)	Depth to Water from Top of Casing (ft) September 11, 2003	Ground-Water Elevation (ft, NAVD) September 11, 2003	Depth to Water from Top of Casing (ft) June 24, 2004	Ground-Water Elevation (ft, NAVD) June 24, 2004	Depth to Water from Top of Casing (ft) October 12, 2004	Ground-Water Elevation (ft, NAVD) October 12, 2004	Depth to Water from Top of Casing (ft) February 25, 2008	Ground-Water Elevation (ft, NAVD) February 25, 2008	Depth to Water from Top of Casing (ft) June 1-3, 2010	Ground-Water Elevation (ft, NAVD) June 1-3, 2010	Depth to Water from Top of Casing (ft) June 24, 2010	Ground-Water Elevation (ft, NAVD) June 24, 2010
MW-1	Uppermost	333.69	46.79	286.90	47.33	286.36	47.88	285.81	49.47	284.22	46.22	287.47		
MW-2	Uppermost	322.38	37.80	284.58	38.41	283.97	38.77	283.61	40.16	282.22	37.60	284.78		
MW-3	Uppermost	325.45	40.86	284.59	41.42	284.03	41.82	283.63	43.00	282.45	40.70	284.75		
MW-4	Uppermost	323.78	39.52	284.26	40.12	283.66	40.17	283.61	41.42	282.36	39.29	284.49		
MW-5	Uppermost	321.10	39.45	281.65	39.96	281.14	40.06	281.04	40.73	280.37	39.18	281.92	39.27	281.83
MW-6	Uppermost	314.37	31.36	283.01	31.02	283.35	31.53	282.84	32.10	282.27	30.74	283.63		
MW-7	Uppermost	320.23	34.33	285.90	35.04	285.19	35.32	284.91	36.41	283.82	34.31	285.92		
MW-8	Uppermost	329.70	42.00	287.70	42.60	287.10	42.97	286.73	44.39	285.31	41.63	288.07		
MW-9	Uppermost	323.09	36.71	286.38	37.78	285.31	38.47	284.62	40.16	282.93	37.21	285.88		
MW-10	Uppermost	310.05	28.30	281.75	27.99	282.06	29.04	281.01	29.22	280.83	27.96	282.09		
MW-11	Uppermost	333.77	51.08	282.69	50.55	283.22	50.98	282.79	52.71	281.06	49.66	284.11		
MW-12	Uppermost	328.34	47.31	281.03	48.18	280.16	48.67	279.67	50.18	278.16	47.29	281.05		
MW-13	Uppermost	283.71	5.40	278.31	5.66	278.05	9.42	274.29	9.21	274.50	8.25	275.46		
MW-14	Intermediate	311.62	64.64	246.98	64.42	247.20	64.17	247.45	64.41	247.21	64.66	246.96	65.20	246.42
MW-15	Alluvium	260.18	5.36	254.82	4.69	255.49	5.05	255.13	3.68	256.50	4.71	255.47		
MW-16	Alluvium	253.81	4.55	249.26	3.99	249.82	4.40	249.41	3.47	250.34	4.30	249.51		
MW-17	Intermediate	260.48	11.70	248.78	11.51	248.97	11.81	248.67	11.79	248.69	11.90	248.58		
MW-18	Intermediate	254.18	5.61	248.57	5.45	248.73	5.70	248.48	5.62	248.56	5.80	248.38		
MW-19	Uppermost	311.89	31.90	279.99	32.11	279.78	32.34	279.55	32.61	279.28	31.37	280.52	31.57	280.32
MW-20	Intermediate	325.75	79.79	245.96	79.89	245.86	79.67	246.08	79.86	245.89	79.97	245.78		
MW-21	Intermediate	320.49	75.05	245.44	75.12	245.37	75.19	245.30	75.64	244.85	75.52	244.97		
MW-22	Intermediate	334.05	89.16	244.89	89.23	244.82	89.33	244.72	89.65	244.40	89.64	244.41		
MW-23	Intermediate	323.77	78.69	245.08	78.77	245.00	78.80	244.97	79.00	244.77	79.11	244.66		
MW-24	Lower	321.23	not installed				86.67	234.56	87.04	234.19	85.33	235.90	86.38	234.85
MW-25	Intermediate	321.18	not installed										75.27	245.91
MW-26	Alluvium	255.29	not installed											
MW-27	Alluvium	257.50	not installed											
MW-28	Alluvium	251.73	not installed											
Staff Gauge near MW-16	Surface Water	249.80	0.60	249.20	0.88	248.92	0.60	249.20	0.60	249.20	nm			
Hwy 24 Bridge over Manson Branch	Surface Water	257.08	8.80	248.28	5.79	251.29	5.80	251.28	6.64	250.44	nm			

TABLE 1: SUMMARY OF GROUNDWATER ELEVATIONS

Monitoring Well	Water-Bearing Zone Screened	Top of Casing Elevation (ft, NAVD)	Depth to Water from Top of Casing (ft) October 21, 2010	Ground-Water Elevation (ft, NAVD) October 21, 2010	Depth to Water from Top of Casing (ft) June 6, 2011	Ground-Water Elevation (ft, NAVD) June 6, 2011	Depth to Water from Top of Casing (ft) January 16, 2012	Ground-Water Elevation (ft, NAVD) January 16, 2012	Depth to Water from Top of Casing (ft) July 9, 2012	Ground-Water Elevation (ft, NAVD) July 9, 2012	Depth to water from top of casing (ft) January 7, 2013	Ground-Water Elevation (ft, NAVD) January 7, 2013	Depth to water from top of casing (ft) July 8, 2013	Ground-Water Elevation (ft, NAVD) July 8, 2013
MW-1	Uppermost	333.69	46.73	286.96	48.02	285.67	49.18	284.51	49.91	283.78	49.88	283.81	48.18	285.51
MW-2	Uppermost	322.38	38.03	284.35	39.01	283.37	40.01	282.37	40.55	281.83	40.54	281.84	38.48	283.90
MW-3	Uppermost	325.45	41.06	284.39	41.87	283.58	42.80	282.65	43.21	282.24	43.18	282.27	41.71	283.74
MW-4	Uppermost	323.78	39.52	284.26	40.42	283.36	41.23	282.55	41.62	282.16	41.43	282.35	40.23	283.55
MW-5	Uppermost	321.10	39.52	281.58	40.04	281.06	40.72	280.38	40.86	280.24	41.06	280.04	39.10	282.00
MW-6	Uppermost	314.37	31.03	283.34	31.22	283.15	32.13	282.24	32.73	281.64	32.74	281.63	30.69	283.68
MW-7	Uppermost	320.23	34.69	285.54	35.47	284.76	36.25	283.98	36.68	283.55	36.73	283.50	34.62	285.61
MW-8	Uppermost	329.70	42.14	287.56	43.03	286.67	44.15	285.55	44.69	285.01	45.04	284.66	42.93	286.77
MW-9	Uppermost	323.09	36.36	286.73	38.88	284.21	40.02	283.07	40.63	282.46	40.36	282.73	38.25	284.84
MW-10	Uppermost	310.05	28.64	281.41	29.03	281.02	29.59	280.46	29.85	280.20	30.03	280.02	27.82	282.23
MW-11	Uppermost	333.77	50.27	283.50	51.34	282.43	52.51	281.26	53.18	280.59	53.42	280.35	51.04	282.73
MW-12	Uppermost	328.34	48.23	280.11	49.12	279.22	50.19	278.15	50.73	277.61	51.04	277.30	48.48	279.86
MW-13	Uppermost	283.71	9.50	274.21	9.99	273.72	10.33	273.38	10.97	272.74	10.93	272.78	7.44	276.27
MW-14	Intermediate	311.62	65.74	245.88	65.56	246.06	66.11	245.51	66.42	245.20	66.21	245.41	64.48	247.14
MW-15	Alluvium	260.18	7.43	252.75	7.5	252.68	5.72	254.46	6.58	253.60	5.00	255.18	3.47	256.71
MW-16	Alluvium	253.81	6.45	247.36	7.03	246.78	5.12	248.69	6.75	247.06	4.89	248.92	3.07	250.74
MW-17	Intermediate	260.48	13.41	247.07	13.13	247.35	13.17	247.31	13.94	246.54	13.23	247.25	11.53	248.95
MW-18	Intermediate	254.18	7.18	247.00	7.04	247.14	6.93	247.25	7.76	246.42	6.97	247.21	5.39	248.79
MW-19	Uppermost	311.89	31.77	280.12	32.22	279.67	32.64	279.25	32.65	279.24	32.70	279.19	30.80	281.09
MW-20	Intermediate	325.75	80.88	244.87	80.62	245.13	81.70	244.05	81.66	244.09	81.90	243.85	80.21	245.54
MW-21	Intermediate	320.49	76.41	244.08	76.08	244.41	77.48	243.01	77.22	243.27	77.77	242.72	76.18	244.31
MW-22	Intermediate	334.05	90.48	243.57	90.22	243.83	91.51	242.54	91.30	242.75	91.80	242.25	90.17	243.88
MW-23	Intermediate	323.77	80	243.77	79.76	244.01	80.82	242.95	80.75	243.02	81.06	242.71	79.33	244.44
MW-24	Lower	321.23	88.88	232.35	86.83	234.40	90.95	230.28	93.62	227.61	92.56	228.67	88.70	232.53
MW-25	Intermediate	321.18	75.91	245.27	75.65	245.53	76.54	244.64	76.61	244.57	76.72	244.46	75.02	
MW-26	Alluvium	255.29	7.00	248.29	7.53	247.76	5.51	249.78	7.96	247.33	5.11	250.18	3.94	251.35
MW-27	Alluvium	257.50	6.84	250.66	8.88	248.62	5.07	252.43	9.73	247.77	4.77	252.73	4.34	253.16
MW-28	Alluvium	251.73	5.59	246.14	6.39	245.34	5.10	246.63	7.32	244.41	4.91	246.82	3.86	247.87
Staff Gauge near MW-16	Surface Water	249.80	1.42	248.38	dry at gauge		1.18	248.62	dry at gauge		1.27	248.53	1.44	248.36
Hwy 24 Bridge over Manson Branch	Surface Water	257.08	6.79	250.29	7.38	249.70	6.33	250.75	6.80	250.28	6.01	251.07	6.78	250.30

Notes:
ft, NAVD Feet above North American Vertical Datum of 1988
Monitoring wells MW-1 to MW-13, MW-15, MW-16 and MW-19 screened above the uppermost tan and blue-gray clays of the Twiggs Clay (Uppermost Water-bearing Zone)
Monitoring wells MW-14, MW-17, MW-18, and MW-20 to MW-23, and MW-25 screened below the uppermost tan and blue-gray clays of the Twiggs Clay (Intermediate Water-bearing Zone)
nm = not measured
249.80 new elevation of Staff Gauge near MW-16 as of 11/2/2010

PREPARED BY/DATE: MHA 8/5/2013
CHECKED BY/DATE: RNQ 8/9/2013

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Sample Depth (well screen interval) (ft. bgs)	69.4'-74.4'	69.4'-74.4'	69.4'-74.4'	69.4'-74.4'	69.4'-74.4'	69.4'-74.4'	69.4'-74.4'	69.4'-74.4'
Sample Depth (well screen interval) (ft. btoc)	69.2-74.2	69.2-74.2	69.2-74.2	69.2-74.2	69.2-74.2	69.2-74.2	69.2-74.2	69.2-74.2
Passive Diffusion Bag Sample Depth (ft. btoc)				72.2-73.7	72.2-73.7	72.2-73.7	72.2-73.7	
Date Sampled	2/25/2000	10/2/2000	2/19/2003	5/5/2004	10/12-13/2004	4/7/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	Bailer/Bailer	Bailer/Bailer	PumpLFLS/Bailer	PumpLFLS/Bailer / PDB	PumpLFLS/Bailer / PDB	no purge/ PDB	no purge/ PDB	
Constituent								
Volatile Organic Compounds - SW8260B - (µg/L)								NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,4-Dioxane	<500	<250	<200	<250	<250	<250	<50	
Chloroform	**1.7**	<5.0	<5.0	<5.0	<5.0	<5.0	**4.9**	
cis-1,2-Dichloroethene	<1.0	<2.5	<2.5	<5.0	<5.0	<2.5	<1.0	
Ethylbenzene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
p-Isopropyltoluene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
Methylene chloride	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Naphthalene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Tetrachloroethene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<1.0	<2.5	<2.5	<5.0	<5.0	<2.5	<1.0	
Toluene	**1.3**	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Trichloroethene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Vinyl Chloride	<1.0	<2.0	<5.0	<2.0	<2.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed					Metals were not sampled and analyzed		
Total Silver				<0.1	<0.1			
Dissolved Silver				NA	NA			
Total Cadmium				<0.005	<0.005			
Dissolved Cadmium				NA	NA			
Total Chromium				<0.1	<0.1			
Dissolved Chromium				NA	NA			
Total Lead				<0.015	<0.015			
Dissolved Lead				NA	NA			
Total Copper				<1.0	<1.0			
Dissolved Copper				NA	NA			
Total Nickel				<0.1	<0.1			
Dissolved Nickel				NA	NA			
Total Zinc				<2.0	<2.0			
Dissolved Zinc				NA	NA			

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-2	MW-2	MW-2	MW-2A	MW-2	MW-2	MW-2	MW-2
Sample Depth (well screen interval) (ft. bgs)	53'-58'	53'-58'	53'-58'	53'-58'	53'-58'	53'-58'	53'-58'	53'-58'
Sample Depth (well screen interval) (ft. btoc)	52.8-57.8	52.8-57.8	52.8-57.8	52.8-57.8	52.8-57.8	52.8-57.8	52.8-57.8	52.8-57.8
Passive Diffusion Bag Sample Depth (ft. btoc)				55.4-56.9	55.4-56.9	55.4-56.9	55.4-56.9	
Date Sampled	2/25/2000	10/3/2000	2/19/2003	5/5/2004	10/12/2004	4/7/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	Bailer/Bailer	Bailer/Bailer	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	
Constituent								
Volatile Organic Compounds - SW8260B - (µg/L)								NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,4-Dioxane	<500	<250	<200	<250	<250	<250	<50	
Chloroform	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	**2.1**	
cis-1,2-Dichloroethene	<1.0	<2.5	<2.5	<5.0	<5.0	<2.5	<1.0	
Ethylbenzene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
p-Isopropyltoluene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
Methylene chloride	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Naphthalene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Tetrachloroethene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<1.0	<2.5	<2.5	<5.0	<5.0	<2.5	<1.0	
Toluene	**5.0**	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Trichloroethene	**240**	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Vinyl Chloride	<1.0	<2.0	<5.0	<2.0	<2.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed							
Total Silver								
Dissolved Silver								
Total Cadmium								
Dissolved Cadmium								
Total Chromium								
Dissolved Chromium								
Total Lead								
Dissolved Lead								
Total Copper								
Dissolved Copper								
Total Nickel								
Dissolved Nickel								
Total Zinc								
Dissolved Zinc								

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
Sample Depth (well screen interval) (ft. bgs)	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'	55'-60'
Sample Depth (well screen interval) (ft. btoc)	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8	54.8-59.8
Passive Diffusion Bag Sample Depth (ft. btoc)				57.5-59	57.5-59	57.5-59	57.5-59						
Date Sampled	2/25/2000	10/3/2000	2/18/2003	5/6/2004	10/12-13/2004	4/8/2008	6/2/2010	6/3/2010	6/8/2011	1/19/2012	7/11/2012	1/10/2013	7/9/2013
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton
Purge Method/Sample Method	Bailer/Bailer	Bailer/Bailer	PumpLFLS/Bailer	PumpLFLS/Bailer/ PDB	PumpLFLS/Bailer/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent													
Volatile Organic Compounds - SW8260B - (µg/L)													
1,1,1,2-Tetrachloroethane	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<150	<5.0	**57**	**6.7**	**13**	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<150	<5.0	**13**	**5.1**	**12**	<5.0	<1.0	**1.7**	<1.0	**1.3**	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<150	<5.0	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	<75000	<250	<400	<250	<250	<250	<50	<50	NA	<100	<100	<50	<50
Chloroform	<150	<5.0	<10	**7.3**	**7.7**	<5.0	**2.3**	**2.3**	**2.7**	**2.8**	**3.0**	**2.7**	**3.2**
cis-1,2-Dichloroethene	<150	<2.5	<5.0	<5.0	<5.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<150	<5.0	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	<300	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0
Tetrachloroethene	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<150	<2.5	<10	<5.0	<5.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	**2900**	<5.0	**69**	**8.1**	**15**	<5.0	**1.6**	**2.4**	**1.8**	**1.3**	**3.1**	**1.3**	**2.2**
Vinyl Chloride	<150	<2.0	<10	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<5.0	<5.0	NA	NA
Site-Specific Metals - SW6010B - (mg/L)													
Total Silver				<0.1	<0.1								
Dissolved Silver				<0.1	NA								
Total Cadmium				<0.005	<0.005								
Dissolved Cadmium				<0.005	NA								
Total Chromium				<0.1	<0.1								
Dissolved Chromium				<0.1	NA								
Total Lead				<0.015	<0.015								
Dissolved Lead				<0.015	NA								
Total Copper				<1.0	<1.0								
Dissolved Copper				<1.0	NA								
Total Nickel				<0.1	<0.1								
Dissolved Nickel				<0.1	NA								
Total Zinc				<2.0	<2.0								
Dissolved Zinc				<2.0	NA								

Metals were not sampled and aNAlyzed

Metals were not sampled and analyzed

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Sample Depth (well screen interval) (ft. bgs)	53'-58'	53'-58'	53'-58'	53'-58'	53'-58'	53'-58'	53'-58'	53'-58'
Sample Depth (well screen interval) (ft. btoc)	52.9-57.9	52.9-57.9	52.9-57.9	52.9-57.9	52.9-57.9	52.9-57.9	52.9-57.9	52.9-57.9
Passive Diffusion Bag Sample Depth (ft. btoc)				'55.5-57	'55.5-57	'55.5-57	'55.5-57	
Date Sampled	2/25/2000	10/3/2000	2/18/2003	5/6/2004	10/12-13/2004	4/8/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	Bailer/Bailer	Bailer/Bailer	PumpLFLS/Bailer	PumpLFLS/Bailer/ PDB	PumpLFLS/Bailer/ PDB	no purge/ PDB	no purge/ PDB	
Constituent								
Volatile Organic Compounds - SW8260B - (µg/L)								NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,4-Dioxane	<500	<250	<200	<250	<250	<250	<50	
Chloroform	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<1.0	<2.5	<2.5	<5.0	<5.0	<2.5	<1.0	
Ethylbenzene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
p-Isopropyltoluene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
Methylene chloride	<2.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Naphthalene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Tetrachloroethene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<1.0	<2.5	<2.5	<5.0	<5.0	<2.5	<1.0	
Toluene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Trichloroethene	**16**	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Vinyl Chloride	<1.0	<2.0	<5.0	<2.0	<2.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed					Metals were not sampled and analyzed		
Total Silver				<0.1	<0.1			
Dissolved Silver				<0.1	NA			
Total Cadmium				<0.005	<0.005			
Dissolved Cadmium				<0.005	NA			
Total Chromium				<0.1	<0.1			
Dissolved Chromium				<0.1	NA			
Total Lead				<0.015	<0.015			
Dissolved Lead				<0.015	NA			
Total Copper				<1.0	<1.0			
Dissolved Copper				<1.0	NA			
Total Nickel				<0.1	<0.1			
Dissolved Nickel				<0.1	NA			
Total Zinc				<2.0	<2.0			
Dissolved Zinc				<2.0	NA			

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Sample Depth (well screen interval) (ft. bgs)	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'	49'-54'
Sample Depth (well screen interval) (ft. btoc)	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8	48.8-53.8
Passive Diffusion Bag Sample Depth (ft. btoc)					51.4-52.9	51.4-52.9	51.4-52.9	51.4-52.9						
Date Sampled	2/25/2000	10/3/2000	2/18/2003	6/12/2003	5/7/2004	10/12-13/2004	4/7/2008	6/1/2010	6/2/2010	6/7/2011	1/18/2012	7/11/2012	1/10/2013	7/9/2013
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton
Purge Method/Sample Method	Bailer/Bailer	Bailer/Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer/PDB	PumpLFSL/Bailer/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent														
Volatile Organic Compounds - SW8260B - (µg/L)														
1,1,1,2-Tetrachloroethane	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0
1,1,1-Trichloroethane	<400	<500	**45**	**53**	<45	<42	<12	<8.0	<8.0	**4**	**1.8**	<1.0	<8.0	**1.4**
1,1-Dichloroethane	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0
1,1-Dichloroethene	<400	<500	**44**	**65**	<45	<42	<12	**8.9**	**22**	**15**	**12**	<1.0	<8.0	**9.8**
1,2,3-Trichlorobenzene	<400	<500	NA	NA	NA	NA	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	**1.5**
1,2,4-Trichlorobenzene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	**1.5**
1,4-Dioxane	<200000	<25000	<1200	<1300	<2300	<2100	<620	<400	<400	NA	<100	<100	<400	<50
Chloroform	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	**1.8**	**1.8**	**2.1**	<8.0	**3.0**
cis-1,2-Dichloroethene	<400	<250	**15**	**19**	<45	<42	<6.2	<8.0	<8.0	**4.5**	**3.6**	<1.0	<8.0	**3.7**
Ethylbenzene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0
Hexachlorobutadiene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	**1.4**
p-Isopropyltoluene	<400	<500	NA	NA	NA	NA	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0
Methylene chloride	<800	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<5.0	<1.0	<1.0	<8.0	<1.0
Naphthalene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<5.0	<5.0	<5.0	<8.0	**1.1**
Tetrachloroethene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0
trans-1,2-Dichloroethene	<400	<250	<12	<17	<45	<42	<6.2	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0
Toluene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0
Trichloroethene	**7400**	**15000**	**730**	**1200**	**310**	**320**	**180**	**210**	**250**	**160**	**230**	**220**	**240**	**370**
Vinyl Chloride	<400	<200	<25	<33	<18	<17	<5.0	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<5.0	<5.0	<40	<2.0
Site-Specific Metals - SW6010B - (mg/L)														
Total Silver	Metals were not sampled and analyzed				<0.1	<0.1	Metals were not sampled and analyzed							
Dissolved Silver					<0.1	NA								
Total Cadmium					<0.005	<0.005								
Dissolved Cadmium					<0.005	NA								
Total Chromium					<0.1	<0.1								
Dissolved Chromium					<0.1	NA								
Total Lead					<0.015	<0.015								
Dissolved Lead					<0.015	NA								
Total Copper					<1.0	<1.0								
Dissolved Copper					<1.0	NA								
Total Nickel					<0.1	<0.1								
Dissolved Nickel					<0.1	NA								
Total Zinc					<2.0	<2.0								
Dissolved Zinc					<2.0	NA								

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7
Sample Depth (well screen interval) (ft. bgs)	43'-48'	43'-48'	43'-48'	43'-48'	43'-48'	43'-48'	46'-56'	46'-56'	45.6'-55.6'	45.6'-55.6'
Sample Depth (well screen interval) (ft. btoc)	42.9'-47.9'	42.9'-47.9'	42.9'-47.9'	42.9'-47.9'	42.9'-47.9'	42.9'-47.9'	45.6'-55.6'	45.6'-55.6'	53.7'-55.2'	53.7'-55.2'
Passive Diffusion Bag Sample Depth (ft. btoc)				45.9'-47.4'	45.9'-47.4'			53.7'-55.2'		
Date Sampled	2/25/2000	10/3/2000	2/18/2003	4/8/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013	2/25/2003	4/8/2008	6/1/2010	June 2011 January 2012 July 2012 and January 2013
Laboratory	STL Tampa	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton		STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	Bailer/Bailer	Bailer/Bailer	PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB		PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB	
Constituent										
Volatile Organic Compounds - SW8260B - (µg/L)						NOT SAMPLED per VIRP				NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1-Dichloroethane	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1-Dichloroethene	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	<1.0	<5.0	NA	<5.0	<1.0		NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,4-Dioxane	<500	<250	<200	<250	<50		<200	<250	<50	
Chloroform	<1.0	<5.0	<5.0	<5.0	**1.2**		<5.0	**6.0**	**4.1**	
cis-1,2-Dichloroethene	<1.0	<2.5	<2.5	<2.5	<1.0		<2.5	<2.5	<1.0	
Ethylbenzene	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Hexachlorobutadiene	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
p-Isopropyltoluene	<1.0	<5.0	NA	<5.0	<1.0		NA	<5.0	<1.0	
Methylene chloride	<2.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Naphthalene	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Tetrachloroethene	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<1.0	<2.5	<2.5	<2.5	<1.0		<2.5	<2.5	<1.0	
Toluene	<1.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Trichloroethene	**9.6**	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Vinyl Chloride	<1.0	<2.0	<5.0	<2.0	<1.0		<5.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA		NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed						Metals were not sampled and analyzed			
Total Silver										
Dissolved Silver										
Total Cadmium										
Dissolved Cadmium										
Total Chromium										
Dissolved Chromium										
Total Lead										
Dissolved Lead										
Total Copper										
Dissolved Copper										
Total Nickel										
Dissolved Nickel										
Total Zinc										
Dissolved Zinc										

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-8	MW-8A	MW-8B	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9
Sample Depth (well screen interval) (ft. bgs)	60'-70'	60'-70'	60'-70'	60'-70'	60'-70'	60'-70'	60'-70'	55'-65'	55'-65'	55'-65'	55'-65'
Sample Depth (well screen interval) (ft. btoc)		59.6-69.6	59.6-69.6	59.6-69.6	59.6-69.6	59.6-69.6	59.6-69.6	54.6'-64.6'	54.6'-64.6'	54.6'-64.6'	54.6'-64.6'
Passive Diffusion Bag Sample Depth (ft. btoc)		'60.6-62.1	65.6-67.1	'60.6-62.1	'60.6-62.1	'60.6-62.1			62.7'-64.2'	62.7'-64.2'	
Date Sampled	2/24/2003	5/7/2004	5/7/2004	10/12/2004	4/7/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013	2/24/2003	4/7/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton		STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB		PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB	
Constituent											
Volatile Organic Compounds - SW8260B - (µg/L)							NOT SAMPLED per VIRP				NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	NA	NA	NA	<5.0	<1.0		NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,4-Dioxane	<200	<250	<250	<250	<250	<50		<200	<250	<50	
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0	**1.0**		<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<2.5	<1.0		<2.5	<2.5	<1.0	
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
p-Isopropyltoluene	NA	NA	NA	NA	<5.0	<1.0		NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<2.5	<1.0		<2.5	<2.5	<1.0	
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Vinyl Chloride	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0		<5.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA		NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed							Metals were not sampled and analyzed			
Total Silver											
Dissolved Silver											
Total Cadmium											
Dissolved Cadmium											
Total Chromium											
Dissolved Chromium											
Total Lead											
Dissolved Lead											
Total Copper											
Dissolved Copper											
Total Nickel											
Dissolved Nickel											
Total Zinc											
Dissolved Zinc											

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-10	MW-10A	MW-10B	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
Sample Depth (well screen interval) (ft. bgs)	35'-45'	35'-45'	35'-45'	35'-45'	35'-45'	35'-45'	35'-45'	35'-45'	35'-45'	35'-45'	35'-45'	35'-45'
Sample Depth (well screen interval) (ft. btoc)	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4	37.4-47.4
Passive Diffusion Bag Sample Depth (ft. btoc)		38.6-40.1	43.6-45.1	38.6-40.1	38.6-40.1	38.6-40.1						
Date Sampled	2/25/2003	5/6/2004	5/6/2004	10/12-13/2004	4/8/2008	6/2/2010	6/3/2010	6/9/2011	1/17/2012	7/10/2012	1/10/2013	7/10/2013
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton
Purge Method/Sample Method	PumpLFLS/Bailer	PumpLFLS/Bailer/ PDB	PumpLFLS/Bailer/ PDB	PumpLFLS/Bailer/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent												
Volatile Organic Compounds - SW8260B - (µg/L)												
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	<200	<250	<250	<250	<250	<50	<50	NA	<100	<100	<50	<50
Chloroform	<5.0	<5.0	<5.0	<5.0	**6.4**	**1.8**	**1.9**	**2.5**	**1.8**	**1.5**	**1.1**	**1.5**
cis-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<5.0	**8.5**	**5.8**	**6.1**	<5.0	**3.4**	**2.8**	**2.6**	**2.9**	**2.6**	**2.5**	**1.4**
Vinyl Chloride	<5.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	NA	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)												
Total Silver		<0.1		<0.1								
Dissolved Silver		<0.1		NA								
Total Cadmium		<0.005		<0.005								
Dissolved Cadmium		<0.005		NA								
Total Chromium		<0.1		<0.1								
Dissolved Chromium		<0.1		NA								
Total Lead	Metals were not sampled and analyzed	<0.015		<0.015	Metals were not sampled or analyzed							
Dissolved Lead		<0.015		NA								
Total Copper		<1.0		<1.0								
Dissolved Copper		<1.0		NA								
Total Nickel		<0.1		<0.1								
Dissolved Nickel		<0.1		NA								
Total Zinc		<2.0		<2.0								
Dissolved Zinc		<2.0		NA								

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-11	MW-11	MW-11	MW-11	MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13	MW-13
Sample Depth (well screen interval) (ft. bgs)	66'-76'	66'-76'	66'-76'	66'-76'	60.5'-70.5'	60.5'-70.5'	60.5'-70.5'	60.5'-70.5'	12'-22'	12'-22'	12'-22'	12'-22'
Sample Depth (well screen interval) (ft. btoc)	68.5'-78.5'	68.5'-78.5'	68.5'-78.5'	68.5'-78.5'	62.9'-72.9'	62.9'-72.9'	62.9'-72.9'	62.9'-72.9'	14.5'-24.5'	14.5'-24.5'	14.5'-24.5'	14.5'-24.5'
Passive Diffusion Bag Sample Depth (ft. btoc)		76.6'-78.1'	76.6'-78.1'			71.0'-72.5'	71.0'-72.5'			22.6'-24.1'	22.6'-24.1'	
Date Sampled	2/25/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013	2/25/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013	2/26/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013
Laboratory	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton		STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton		STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB		PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB		PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB	
Constituent												
Volatile Organic Compounds - SW8260B - (µg/L)				NOT SAMPLED per VIRP				NOT SAMPLED per VIRP				NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,4-Dioxane	<200	<250	<50		<200	<250	<50		<200	<250	<50	
Chloroform	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<2.5	<1.0		<2.5	<2.5	<1.0		<2.5	<2.5	<1.0	
Ethylbenzene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Hexachlorobutadiene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
p-Isopropyltoluene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Naphthalene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Tetrachloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<2.5	<2.5	<1.0		<2.5	<2.5	<1.0		<2.5	<2.5	<1.0	
Toluene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Trichloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Vinyl Chloride	<5.0	<2.0	<1.0		<5.0	<2.0	<1.0		<5.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA		NA	NA	NA		NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)												
Total Silver												
Dissolved Silver												
Total Cadmium												
Dissolved Cadmium												
Total Chromium												
Dissolved Chromium												
Total Lead	Metals were not sampled and analyzed				Metals were not sampled and analyzed				Metals were not sampled and analyzed			
Dissolved Lead												
Total Copper												
Dissolved Copper												
Total Nickel												
Dissolved Nickel												
Total Zinc												
Dissolved Zinc												

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-14	MW-14 PRE	MW-14 POST	MW-14 LONG	MW-14 PRE	MW-14 POST	MW-14 LONG	MW-14 (7:10)	MW-14 (9:30)	MW-14 (12:15)
Sample Depth (well screen interval) (ft. bgs)	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'
Sample Depth (well screen interval) (ft. btoc)	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4
Passive Diffusion Bag Sample Depth (ft. btoc)										
Date Sampled	4/3/2003	4/21/2003	4/21/2003	4/21/2003	4/21/2003	4/21/2003	4/21/2003	6/13/2003	6/13/2003	6/13/2003
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	ASI	ASI	ASI	STL North Canton	STL North Canton	STL North Canton
Purge Method/Sample Method	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer
Constituent										
Volatile Organic Compounds - SW8260B - (µg/L)										
1,1,1,2-Tetrachloroethane	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
1,1,1-Trichloroethane	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
1,1-Dichloroethane	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
1,1-Dichloroethene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
1,4-Dioxane	<5000	<250	<1000	<1000	<1300	<5000	<5000	<10000	<10000	<10000
Chloroform	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
cis-1,2-Dichloroethene	**230**	**180**	**350**	**440**	**190**	**410**	**510**	**470**	**530**	**520**
Ethylbenzene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
Hexachlorobutadiene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
Naphthalene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
Tetrachloroethene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250
trans-1,2-Dichloroethene	<50	<3.1	<12	<12	<12	<100	<100	<120	<120	<120
Toluene	<100	<6.2	<25	<25	**29**	<100	<100	<250	<250	<250
Trichloroethene	**3000**	**2200**	**6300**	**8200**	**2400**	**8200**	**8800**	**7000**	**7700**	**7300**
Vinyl Chloride	<40	<6.2	<25	<25	<10	<40	<40	<250	<250	<250
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed.									
Total Silver										
Dissolved Silver										
Total Cadmium										
Dissolved Cadmium										
Total Chromium										
Dissolved Chromium										
Total Lead										
Dissolved Lead										
Total Copper										
Dissolved Copper										
Total Nickel										
Dissolved Nickel										
Total Zinc										
Dissolved Zinc										

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-14A	MW-14B	MW-14C	MW-14	MW-14	MW-14	Re-analysis MW-14	MW-14	Re-analysis MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
Sample Depth (well screen interval) (ft. bgs)	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'	71.2'-86.2'
Sample Depth (well screen interval) (ft. btoc)	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4	73.4-88.4
Passive Diffusion Bag Sample Depth (ft. btoc)	74.5-76	79.5-81	84.5-86	74.5-76	74.5-76	74.5-76	74.5-76							
Date Sampled	5/5/2004	5/5/2004	5/5/2004	10/12/2004	4/7/2008	6/2/2010	6/2/2010	6/3/2010	6/3/2010	6/8/2011	1/19/2012	7/11/2012	1/9/2013	7/10/2013
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	AES-Atlanta	AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton
Purge Method/Sample Method	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent														
Volatile Organic Compounds - SW8260B - (µg/L)														
1,1,1,2-Tetrachloroethane	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
1,1,1-Trichloroethane	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
1,1-Dichloroethane	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	**4.5**	**3.3**	<100	<10
1,1-Dichloroethene	<200	<250	<200	<310	<330	<120	**57**	<140	**58**	**56**	**110**	**90**	<100	**57**
1,2,3-Trichlorobenzene	NA	NA	NA	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
1,2,4-Trichlorobenzene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
1,4-Dioxane	<10000	<12000	<10000	<16000	<17000	<6200	<1200	<7100	<1400	NA	<100	<100	<5000	<500
Chloroform	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
cis-1,2-Dichloroethene	**500**	**450**	**450**	<310	**410**	**370**	**320**	**380**	**330**	**280**	**390**	**340**	**310**	**350**
Ethylbenzene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
Hexachlorobutadiene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
p-Isopropyltoluene	NA	NA	NA	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
Methylene chloride	<200	<250	<200	<310	<330	<120	<25	<140	<29	<50	<1.0	<1.0	<100	<10
Naphthalene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<50	<5.0	<5.0	<100	<10
Tetrachloroethene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	**2.8**	**2.4**	<100	<10
trans-1,2-Dichloroethene	<200	<250	<200	<310	<170	<120	<25	<140	<29	<10	**1.1**	<1.0	<100	<10
Toluene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10
Trichloroethene	**6800**	**6600**	**6100**	**1900**	**4800**	**3500**	**3000 E**	**3600**	**3200 E**	**3200**	**4000**	**3700**	**3400**	**2900**
Vinyl Chloride	<200	<250	<200	<120	<130	<120	<25	<140	<29	<10	**1.9**	**2.3**	<100	<10
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	<25	NA	NA	<29	<20	<5.0	<5.0	<20	<2.0
Site-Specific Metals - SW6010B - (mg/L)														
Total Silver	Metals were not sampled and aNAlyzed.													
Dissolved Silver														
Total Cadmium														
Dissolved Cadmium														
Total Chromium														
Dissolved Chromium														
Total Lead														
Dissolved Lead														
Total Copper														
Dissolved Copper														
Total Nickel														
Dissolved Nickel														
Total Zinc														
Dissolved Zinc														

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-15	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17A	MW-17B	MW-17C	MW-17	MW-17	MW-17	MW-17
Sample Depth (well screen interval) (ft. bgs)	6.7'-11.7'	6.7'-11.7'	6.7'-11.7'	6.7'-11.7'	6.7'-11.7'	6.7'-11.7'	6.7'-11.7'	6.7'-11.7'	33'-47.5'	33'-47.5'	33'-47.5'	33'-47.5'	33'-47.5'	33'-47.5'	33'-47.5'	33'-47.5'
Sample Depth (well screen interval) (ft. btoc)	9.3'-14.3'	9.3'-14.3'	9.3'-14.3'	9.3'-14.3'	9.2'-14.2'	9.2'-14.2'	9.2'-14.2'	9.2'-14.2'	35.5-50	35.5-50	35.5-50	35.5-50	35.5-50	35.5-50	35.5-50	35.5-50
Passive Diffusion Bag Sample Depth (ft. btoc)		12.3'-13.8'	12.3'-13.8'		12.2'-13.7'	12.2'-13.7'	12.2'-13.7'		36.4-37.9	36.4-37.9	41.4-42.9	46.4-47.9	36.4-37.9	36.4-37.9	36.4-37.9	
Date Sampled	4/3/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013	4/4/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013	5/14/2003	5/4/2004	5/4/2004	5/4/2004	10/12/2004	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013
Laboratory	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton		STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton		STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	
Purge Method/Sample Method	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB		PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB		PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	
Constituent																
Volatile Organic Compounds - SW8260B - (µg/L)				NOT SAMPLED per VIRP				NOT SAMPLED per VIRP								NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	NA	NA	NA	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,4-Dioxane	<250	<250	<50		<250	<250	<50		<200	<250	<250	<250	<250	<250	<50	
Chloroform	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<2.5	<1.0		<2.5	<2.5	<1.0		<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0	
Ethylbenzene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
p-Isopropyltoluene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	NA	NA	NA	NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Naphthalene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Tetrachloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<2.5	<2.5	<1.0		<2.5	<2.5	<1.0		<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0	
Toluene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Trichloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Vinyl Chloride	<2.0	<2.0	<1.0		<2.0	<2.0	<1.0		<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA		NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)																
Total Silver																
Dissolved Silver																
Total Cadmium																
Dissolved Cadmium																
Total Chromium																
Dissolved Chromium																
Total Lead	Metals were not sampled and analyzed				Metals were not sampled and analyzed				Metals were not sampled and analyzed							
Dissolved Lead																
Total Copper																
Dissolved Copper																
Total Nickel																
Dissolved Nickel																
Total Zinc																
Dissolved Zinc																

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-18	MW-18A	MW-18B	MW-18C	MW-18	MW-18	MW-18	MW-18	MW-19	MW-19	MW-19A	MW-19B	MW-19
Sample Depth (well screen interval) (ft. bgs)	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'
Sample Depth (well screen interval) (ft. btoc)	29.7'-44.7'	29.7'-44.7'	29.7'-44.7'	29.7'-44.7'	29.6-44.6	29.6-44.6	29.7'-44.7'	29.7'-44.7'	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7
Passive Diffusion Bag Sample Depth (ft. btoc)		31.1-32.6	36.1-37.6	41.1-42.6	31.1-32.6	31.1-32.6	31.1-32.6				39.9-41.4	44.9-46.4	39.9-41.4
Date Sampled	5/14/2003	5/4/2004	5/4/2004	5/4/2004	10/12/2004	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013	5/28/2003	6/13/2003	5/5/2004	5/5/2004	10/12/2004
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton		STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton
Purge Method/Sample Method	PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB		PumpLFLS/Bailer	PumpLFLS/Bailer	PumpLFSL/Bailer/ PDB	PumpLFSL/Bailer/ PDB	PumpLFSL/Bailer/ PDB
Constituent													
Volatile Organic Compounds - SW8260B - (µg/L)								NOT SAMPLED per VIRP					
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
1,4-Dioxane	<200	<250	<250	<250	<250	<250	<50		<10000	<20000	<62000	<62000	<83000
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
cis-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0		<120	<250	<1200	<1200	<1700
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
p-Isopropyltoluene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	NA	NA	NA
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		380 B	<500	<1200	<1200	<1700
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
trans-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0		<120	<250	<1200	<1200	<1700
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<250	<500	<1200	<1200	<1700
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		**8000**	**12000**	**20000**	**19000**	**14000**
Vinyl Chloride	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0		<250	<500	<1200	<1200	<670
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)													
Total Silver	Metals were not sampled and analyzed								Metals were not sampled and aNAlyzed		<0.1		<0.1
Dissolved Silver											NA		NA
Total Cadmium											<0.005		<0.005
Dissolved Cadmium											NA		NA
Total Chromium											<0.1		<0.1
Dissolved Chromium											NA		NA
Total Lead											<0.015		<0.015
Dissolved Lead											NA		NA
Total Copper											<1.0		<1.0
Dissolved Copper											NA		NA
Total Nickel											<0.1		<0.1
Dissolved Nickel											NA		NA
Total Zinc											<2.0		<2.0
Dissolved Zinc											NA		NA

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-19	MW-19	Re-analyzed MW-19	MW-19	Re-analyzed MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Sample Depth (well screen interval) (ft. bgs)	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'	36.2'-46.2'
Sample Depth (well screen interval) (ft. btoc)	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7
Passive Diffusion Bag Sample Depth (ft. btoc)	39.9-41.4	39.9-41.4	39.9-41.4							
Date Sampled	4/7/2008	6/2/2010	6/2/2010	6/3/2010	6/3/2010	6/8/2011	1/18/2012	7/11/2012	1/9/2013	7/10/2013
Laboratory	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton
Purge Method/Sample Method	no purge/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent										
Volatile Organic Compounds - SW8260B - (µg/L)										
1,1,1,2-Tetrachloroethane	<100	<56	<56	<200	<40	<10	**10**	**12**	<200	<14
1,1,1-Trichloroethane	<100	<56	<56	<200	<40	<10	**7.4**	**6.4**	<200	<14
1,1-Dichloroethane	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
1,1-Dichloroethene	<100	**82**	**100**	<200	**72**	**18**	**45**	**37**	<200	**33**
1,2,3-Trichlorobenzene	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
1,2,4-Trichlorobenzene	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
1,4-Dioxane	<5000	<2800	<2800	<10000	<2000	NA	<100	<100	<10000	<710
Chloroform	<100	<56	<56	<200	<40	<10	**1.9**	**2.2**	<200	<14
cis-1,2-Dichloroethene	<50	<56	<56	<200	<40	<10	**12**	**13**	<200	**18**
Ethylbenzene	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
Hexachlorobutadiene	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
p-Isopropyltoluene	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
Methylene chloride	<100	<56	<56	<200	<40	<50	<5.0	<5.0	<200	<14
Naphthalene	<100	<56	<56	<200	<40	<50	<5.0	<5.0	<200	<14
Tetrachloroethene	<100	<56	<56	<200	<40	<10	**2.3**	**2.3**	<200	<14
trans-1,2-Dichloroethene	<50	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
Toluene	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
Trichloroethene	**1500**	**1700**	**1900**	**5800**	**5800 E**	**4000**	**5900**	**5100**	**6400**	**5000**
Vinyl Chloride	<40	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	<11	NA	NA	<40	<20	<5.0	<5.0	<2.0	<2.0
Site-Specific Metals - SW6010B - (mg/L)										
Total Silver										
Dissolved Silver										
Total Cadmium										
Dissolved Cadmium										
Total Chromium										
Dissolved Chromium										
Total Lead	Metals were not sampled and analyzed									
Dissolved Lead										
Total Copper										
Dissolved Copper										
Total Nickel										
Dissolved Nickel										
Total Zinc										
Dissolved Zinc										

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-20	MW-20 (12:10)	MW-20 (15:00)	MW-20 (17:30)	MW-20A	MW-20B	MW-20C	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Sample Depth (well screen interval) (ft. bgs)	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'	91.7'-106.7'
Sample Depth (well screen interval) (ft. btoc)	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5	91.5-106.5
Passive Diffusion Bag Sample Depth (ft. btoc)					92.6-94.1	97.6-99.1	102.6-104.1		92.6-94.1	92.6-94.1						
Date Sampled	5/28/2003	6/12/2003	6/12/2003	6/12/2003	5/6/2004	5/6/2004	5/6/2004	10/28/2004	4/8/2008	6/1/2010	6/2/2010	6/9/2011	1/18/2012	7/11/2012	1/10/2013	7/9/2013
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton
Purge Method/Sample Method	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent																
Volatile Organic Compounds - SW8260B - (µg/L)																
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	**2.0**	**6.3**	**3.6**	<9.1	**4.8**
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
1,4-Dioxane	<200	<200	<200	<200	<360	<360	<250	<500	<500	<250	<290	NA	<100	<100	<450	<63
Chloroform	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
cis-1,2-Dichloroethene	**14**	**12**	**15**	**20**	**40**	**40**	**33**	**52**	**120**	**150**	**170**	**210**	**310**	**270**	**320**	**360**
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<5.0	<1.0	<1.0	<9.1	<1.3
Naphthalene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<5.0	<5.0	<5.0	<9.1	<1.3
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
trans-1,2-Dichloroethene	<2.5	<2.5	<2.5	<2.5	<7.2	<7.2	<5.0	<10.0	<5.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
Toluene	<5.0	**5.7**	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0	<5.0	<5.7	**2.0**	<1.0	<1.0	<9.1	<1.3
Vinyl Chloride	<5.0	<5.0	<5.0	<5.0	<2.9	<2.9	<2.0	<4.0	<4.0	**15**	<5.7	<1.0	**2.0**	**1.8**	<9.1	**1.6**
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<20	<5.0	<5.0	<2.0	<2.0
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed															
Total Silver																
Dissolved Silver																
Total Cadmium																
Dissolved Cadmium																
Total Chromium																
Dissolved Chromium																
Total Lead																
Dissolved Lead																
Total Copper																
Dissolved Copper																
Total Nickel																
Dissolved Nickel																
Total Zinc																
Dissolved Zinc																

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-21	MW-21A	MW-21B	MW-21C	MW-21	MW-21	MW-21	MW-21
Sample Depth (well screen interval) (ft. bgs)	89.7'-104.7'	89.7'-104.7'	89.7'-104.7'	89.7'-104.7'	89.7'-104.7'	89.7'-104.7'	89.7'-104.7'	89.7'-104.7'
Sample Depth (well screen interval) (ft. btoc)	89.4-104.4	89.4-104.4	89.4-104.4	89.4-104.4	89.4-104.4	89.4-104.4	89.4-104.4	89.4-104.4
Passive Diffusion Bag Sample Depth (ft. btoc)		90.7-92.2	95.7-97.2	100.7-102.2	90.7-92.2	90.7-92.2	90.7-92.2	
Date Sampled	9/10/2003	5/7/2004	5/7/2004	5/7/2004	10/12/2004	4/8/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	
Constituent								
Volatile Organic Compounds - SW8260B - (µg/L)								NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,4-Dioxane	<200	<250	<250	<250	<250	<250	<50	
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0	
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
p-Isopropyltoluene	NA	NA	NA	NA	NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0	
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
Vinyl Chloride	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed							
Total Silver								
Dissolved Silver								
Total Cadmium								
Dissolved Cadmium								
Total Chromium								
Dissolved Chromium								
Total Lead								
Dissolved Lead								
Total Copper								
Dissolved Copper								
Total Nickel								
Dissolved Nickel								
Total Zinc								
Dissolved Zinc								

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-22	MW-22A	MW-22B	MW-22C	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22
Sample Depth (well screen interval) (ft. bgs)	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'	98.9'-113.9'
Sample Depth (well screen interval) (ft. btoc)	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7	98.7-113.7
Passive Diffusion Bag Sample Depth (ft. btoc)		100-101.5	105-106.5	110-111.5	100-101.5	100-101.5	100-101.5					
Date Sampled	9/10/2003	5/5/2004	5/5/2004	5/5/2004	10/12/2004	4/7/2008	6/1/2010	6/8/2011	1/17/2012	7/10/2012	1/10/2013	7/9/2013
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton
Purge Method/Sample Method	PumpLFLS/Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent												
Volatile Organic Compounds - SW8260B - (µg/L)												
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	<200	<250	<250	<250	<250	<250	<50	NA	<100	<100	<50	<50
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NA	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)												
Total Silver												
Dissolved Silver												
Total Cadmium												
Dissolved Cadmium												
Total Chromium												
Dissolved Chromium												
Total Lead	Metals were not sampled and analyzed											
Dissolved Lead												
Total Copper												
Dissolved Copper												
Total Nickel												
Dissolved Nickel												
Total Zinc												
Dissolved Zinc												

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-23	MW-23A	MW-23B	MW-23C	MW-23	MW-23	MW-23	MW-23	MW-24	MW-24	MW-24	MW-24	MW-24
Sample Depth (well screen interval) (ft. bgs)	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	136.9'-146.7'	136.9'-146.7'	136.9'-146.7'	136.9'-146.7'	136.9'-146.7'
Sample Depth (well screen interval) (ft. btoc)	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	136.7'-146.5'	136.7'-146.5'	136.7'-146.5'	136.7'-146.5'	136.7'-146.5'
Passive Diffusion Bag Sample Depth (ft. btoc)		92.1-93.6	97.1-98.6	102.1-103.5	92.1-93.6	92.1-93.6	92.1-93.6				143.3'-144.8'	143.3'-144.8'	
Date Sampled	9/11/2003	5/5/2004	5/5/2004	5/5/2004	10/12/2004	4/7/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013	10/12/2004	10/28/2004	4/7/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, and July 2013
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton		STL Savannah	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB		PumpLFLS/ Bailer	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	
Constituent													
Volatile Organic Compounds - SW8260B - (µg/L)								NOT SAMPLED per VIRP					NOT SAMPLED per VIRP
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<5.0	
1,4-Dioxane	<200	<250	<250	<250	<250	<250	<50		NA	<250	<250	<50	
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0		<1.0	<5.0	<2.5	<1.0	
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
p-Isopropyltoluene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<1.0	
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0		<1.0	<5.0	<2.5	<1.0	
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
Vinyl Chloride	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0		<1.0	<2.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed								Metals were not sampled and analyzed				
Total Silver													
Dissolved Silver													
Total Cadmium													
Dissolved Cadmium													
Total Chromium													
Dissolved Chromium													
Total Lead													
Dissolved Lead													
Total Copper													
Dissolved Copper													
Total Nickel													
Dissolved Nickel													
Total Zinc													
Dissolved Zinc													

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-25	MW-25	MW-25	MW-25	MW-25	MW-25	MW-26	MW-26	MW-26	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27
Sample Depth (well screen interval) (ft. bgs)	91.8-106.8'	91.8-106.8'	91.8-106.8'	91.8-106.8'	91.8-106.8'	91.8-106.8'	1.0-6.0'	1.0-6.0'	1.0-6.0'	2.2-7.2'	2.2-7.2'	2.2-7.2'	2.2-7.2'	2.2-7.2'	2.2-7.2'
Sample Depth (well screen interval) (ft. btoc)	91.5-106.5'	91.5-106.5'	91.5-106.5'	91.5-106.5'	91.5-106.5'	91.5-106.5'	4.9-9.9'	4.9-9.9'	4.9-9.9'	5.0-10.0'	5.0-10.0'	5.0-10.0'	5.0-10.0'	5.0-10.0'	5.0-10.0'
Passive Diffusion Bag Sample Depth (ft. btoc)															
Date Sampled	6/24/2010	6/9/2011	1/18/2012	7/11/2012	1/9/2013	7/9/2013	10/20/2010	6/9/2011	January 2012 July 2012 , January 2013, and July 2013	10/20/2010	6/9/2011	1/18/2012	7/11/2012	1/9/2013	7/10/2013
Laboratory	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	Test America - NorthCanton	Test America - NorthCanton	AES-Atlanta	TestAmerica - Tampa		AES-Atlanta	TestAmerica - Tampa	AES-Atlanta		Test America - NorthCanton	Test America - NorthCanton
Purge Method/Sample Method	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS		Pump-LFLS	Pump-LFLS	Pump-LFLS		Pump-LFLS	Pump-LFLS
Constituent															
Volatile Organic Compounds - SW8260B - (µg/L)									NOT SAMPLED per VIRP				DRY NOT SAMPLED		
1,1,1,2-Tetrachloroethane	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
1,1,1-Trichloroethane	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
1,1-Dichloroethane	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
1,1-Dichloroethene	<83	**20**	**34**	**28**	<130	**27**	<5.0	<1.0		<5.0	**1.2**	**2.4**		**2.9**	**1.2**
1,2,3-Trichlorobenzene	<83	<20	<1.0	<1.0	<130	<13	NA	<1.0		NA	<1.0	<1.0		<1.0	<1.0
1,2,4-Trichlorobenzene	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
1,4-Dioxane	<4200	NA	<100	<100	<6300	<630	<150	NA		<150	NA	<100		<50	<50
Chloroform	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
cis-1,2-Dichloroethene	**820**	**880**	**1000**	**860**	**860**	**840**	<5.0	<1.0		**5.2**	**6.6**	**10**		**9.2**	**8.8**
Ethylbenzene	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
Hexachlorobutadiene	<83	<20	<1.0	<1.0	<130	<13	NA	<1.0		NA	<1.0	<1.0		<1.0	<1.0
p-Isopropyltoluene	<83	<20	<1.0	<1.0	<130	<13	NA	<1.0		NA	<1.0	<1.0		<1.0	<1.0
Methylene chloride	<83	<100	<1.0	<1.0	<130	<13	<5.0	<5.0		<5.0	<5.0	<1.0		<1.0	<1.0
Naphthalene	<83	<100	<5.0	<5.0	<130	<13	NA	<5.0		NA	<5.0	<5.0		<1.0	<1.0
Tetrachloroethene	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
trans-1,2-Dichloroethene	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
Toluene	<83	<20	<1.0	<1.0	<130	<13	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0
Trichloroethene	**2800**	**3600**	**4700**	**3900**	**4300**	**4500**	<5.0	<1.0		**10**	**15**	**5.8**		**13**	**13**
Vinyl Chloride	<83	<20	**36**	**44**	<130	**21**	<2.0	<1.0		<2.0	<1.0	<1.0		<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	<17	<20	<5.0	<5.0	<25	<2.0	NA	<2.0		NA	<2.0	<5.0		<2.0	<2.0
Site-Specific Metals - SW6010B - (mg/L)															
Total Silver	Metals were not sampled and analyzed						Metals were not sampled and analyzed			Metals were not sampled and analyzed					
Dissolved Silver															
Total Cadmium															
Dissolved Cadmium															
Total Chromium															
Dissolved Chromium															
Total Lead															
Dissolved Lead															
Total Copper															
Dissolved Copper															
Total Nickel															
Dissolved Nickel															
Total Zinc															
Dissolved Zinc															

Notes:

NA	Constituent not analyzed
ft. bgs	Feet below ground surface
B	Result may be a false positive or biased high based upon blank data.
E	Estimated concentration
btoc	Below top of well casing
mg/L	Milligrams per liter
µg/L	Micrograms per liter
PumpLFLS/ Bailer	Well was purged using the low flow/low stress method with a submersible Grundfos pump and clean dedicated tubing and the groundwater sample was collected using a disposable teflon bailer and rope.
Bailer/Bailer	Well was purged and sampled with a bailer.
Pump-LFLS	Well was purged and sampled using the low flow/low stress method with a submersible bladder or peristaltic pump and clean dedicated tubing
no purge/PDB	Well was not purged, groundwater sample collected with Passive Diffusion Bag Sampler
VIRP	Voluntary Investigation and Remediation Plan

Prepared By: DP 02/06/13
Checked By: MHA 8/11/13

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-28	MW-28	MW-28	MW-28	MW-28	MW-28
Sample Depth (well screen interval) (ft. bgs)	2.1-7.1'	2.1-7.1'	2.1-7.1'	2.1-7.1'	2.1-7.1'	2.1-7.1'
Sample Depth (well screen interval) (ft. btoc)	5.0-10.0'	5.0-10.0'	5.0-10.0'	5.0-10.0'	5.0-10.0'	5.0-10.0'
Passive Diffusion Bag Sample Depth (ft. btoc)						
Date Sampled	10/20/2010	6/9/2011	1/18/2012	7/11/2012	1/9/2013	7/10/2013
Laboratory	AES-Atlanta	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	Test America - NorthCanton	Test America - NorthCanton
Purge Method/Sample Method	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent						
Volatile Organic Compounds - SW8260B - (µg/L)						
1,1,1,2-Tetrachloroethane	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<5.0	**1.4**	**1.8**	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NA	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	<150	NA	<100	<100	<50	<50
Chloroform	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**9.4**	**18**	**14**	**12**	**4.7**	**7.2**
Ethylbenzene	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	NA	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	NA	<5.0	<5.0	<5.0	<1.0	<1.0
Tetrachloroethene	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<5.0	**4.5**	**4.3**	**3.5**	<1.0	**1.2**
Vinyl Chloride	<2.0	**1.0**	<1.0	**1.1**	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	<2.0	<5.0	<5.0	<2.0	<2.0
Site-Specific Metals - SW6010B - (mg/L)						
Total Silver	Metals were not sampled and analyzed					
Dissolved Silver						
Total Cadmium						
Dissolved Cadmium						
Total Chromium						
Dissolved Chromium						
Total Lead						
Dissolved Lead						
Total Copper						
Dissolved Copper						
Total Nickel						
Dissolved Nickel						
Total Zinc						
Dissolved Zinc						

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Manson Branch #1**			**Manson Branch #2 (MB#2)**																			
Sample Location		**Surface water in Manson Branch south side of Hwy 24 Bridge**			**Seep in a Draw Down Slope of Thermo King plant building**																			
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**5/3/2000**			**5/3/2000**			**11/2/2000**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**	**6/2/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**
Laboratory		**Lancaster Labs**	**STL-North Canton**	**Savannah Labs**	**Lancaster Labs**	**STL-North Canton**	**Savannah Labs**	**STL-North Canton**	**STL-North Canton**	**STL-North Canton**	**STL-North Canton**	**STL-North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**
CONSTITUENT (µg/L)																								
1,1,1-Trichloroethane	not established	<5.0	<5.0	<5.0	**200**	**160**	**170**	**290**	**15**	**39**	**300**	**1900**	**320**	**8.4**		**61**	**21**	**13**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<5.0		<50	**1.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
1,1-Dichloroethene	7100	<5.0	<5.0	<5.0	**69**	**50**	**52**	**97**	**12**	**24**	<250	**1000**	**210**	**11**		**160**	**50**	**53**	**7.3**	**1.4**	**20**	**17**	**14**	**1.3**
1,1-Dichloroethane	not established	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<5.0		<50	**1.5**	**1.5**	**2.5**	**4.4**	**6.9**	**8.2**	**8.7**	**3.1**
1,4-Dioxane	not established	<250	<250	NA	<250	<830	NA	<1200	<200	<330	<12000	<31000	<9600	<250		<2500	NA	<100	<100	<100	NA	<250	<50	<50
Chloroethane	not established	<5.0	<10.0	<5.0	<5.0	<33	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<10.0		<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**3.8**	**1.3**
Chloroform	470	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<5.0		<50	**1.5**	**1.3**	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	<5.0	<2.5	<5.0	**36**	**30**	**27**	**59**	**36**	**61**	<250	<620	<190	**89**	DRY	**180**	**70**	**85**	**95**	**46**	**170**	**170**	**130**	**18**
Ethylbenzene	2100	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<5.0	Not Sampled	<50	<1.0	<1.0	**4.6**	**13**	<1.0	<5.0	<1.0	<1.0
p-Isopropyltoluene	not established	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	NA	NA	NA	NA	NA	<5.0		<50	<1.0	<1.0	**5.0**	<1.0	<1.0	<5.0	<1.0	<1.0
Toluene	5980	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<5.0		<50	**2.5**	<1.0	**180**	**22**	<1.0	<5.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<5.0	<2.5	<5.0	<5.0	<8.3	<5.0	<12	<2.0	<6.7	<250	<620	<190	<2.5		<50	<1.0	<1.0	<1.0	**2.3**	**2.2**	<5.0	**2.3**	<1.0
Trichloroethene	30	<5.0	<5.0	<5.0	**490**	**460**	**440**	**720**	**120**	**210**	**1300**	**4400**	**930**	**310**		**1700**	**280**	**340**	**16**	<1.0	<1.0	<5.0	<1.0	<1.0
Vinyl Chloride	2.4	<2.0	<5.0	<5.0	<2.0	<6.7	<2.0	<10.0	<4.0	<6.7	<100	<250	<77	<4.0		<50	**2.5**	**2.5**	**20**	**9.3**	**84**	**71**	**81**	**21**
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	<20	NA	NA	<5.0	<5.0	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Manson Branch #3 (MB#3)**						**Manson Branch #4**	**Manson Branch #5 (MB#5)**						**Manson Branch #6**	**Manson Branch #7**	**Manson Branch #8**
Sample Location		**Surface water in Manson Branch located 500 ft downstream of Hwy 24**						**Surface water in Manson Branch located 700 ft downstream of Hwy 24**	**Surface water in Manson Branch located 900 ft downstream of Hwy 24**						**Surface water in Manson Branch located 1100 ft downstream of Hwy 24**	**Surface water in Manson Branch located 1300 ft downstream of Hwy 24**	**Surface water in Manson Branch located 1575 ft downstream of Hwy 24**
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**6/7/2000**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**1/8/2013**	**7/10/2013**	**6/7/2000**	**6/7/2000**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**1/8/2013**	**7/10/2013**	**6/7/2000**	**6/7/2000**	**6/7/2000**
Laboratory		**STL- North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**
CONSTITUENT (µg/L)																	
1,1,1-Trichloroethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	16	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	7100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
1,4-Dioxane	not established	<250	NA	<100	<100	<50	<50	<250	<250	NA	<100	<100	<50	<50	<250	<250	<250
Chloroethane	not established	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<10.0	<10.0	<10.0
Chloroform	470	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	not established	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<2.5	<2.5
Ethylbenzene	2100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
p-Isopropyltoluene	not established	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
Toluene	5980	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	10000	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<2.5	<2.5
Trichloroethene	30	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
Vinyl Chloride	2.4	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	<2.0	NA	NA	NA	NA	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Manson Branch #9**	**Manson Branch #10**	**Manson Branch #11**	**Manson Branch #12**	**Manson Branch #14**			**Manson Branch #15 (MB#15)**							
Sample Location		**Surface water in Manson Branch located 2900 ft upstream of Hwy 17**	**Surface water in Manson Branch located 2100 ft upstream of Hwy 17**	**Surface water in Manson Branch located 1200 ft upstream of Hwy 17**	**Surface water in Manson Branch located at Hwy 17 bridge**	**Surface water in Manson Branch located at Hwy 24 bridge**			**Surface water in Manson Branch located about 450 ft downstream of Hwy 24 bridge**							
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**6/6/2000**	**6/6/2000**	**6/6/2000**	**6/6/2000**	**1/15/2003**	**2/26/2008**	**4/22/2010**	**1/15/2003**	**2/27/2008**	**4/21/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**1/8/2013**	**7/10/2013**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)																
1,1,1-Trichloroethane	not established	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	not established	<250	<250	<250	<250	<200	<250	<250	<200	<250	<250	NA	<100	<100	<50	<50
Chloroethane	not established	<10.0	<10.0	<10.0	<10.0	<1.0	<10.0	<10.0	<1.0	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0
Chloroform	470	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	<2.5	<2.5	<2.5	<2.5	<0.50	<2.5	<2.5	<0.50	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	2100	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	5980	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<2.5	<2.5	<2.5	<2.5	<0.50	<2.5	<2.5	<0.50	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	2.4	<5.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Manson Branch #16 (MB#16)**							
Sample Location		**Surface water in Manson Branch located about 700 ft downstream of Hwy 24 bridge**							
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**2/27/2008**	**4/21/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**1/8/2013**	**7/10/2013**
Laboratory		**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)									
1,1,1-Trichloroethane	not established	<1.0	<5.0	<5.0	<1.0	<1.0	Not Sampled Location Dry	<1.0	<1.0
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0
1,1-Dichloroethane	not established	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0
1,4-Dioxane	not established	<200	<250	<250	NA	<100		<50	<50
Chloroethane	not established	<1.0	<10.0	<10.0	<5.0	<5.0		<1.0	<1.0
Chloroform	470	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0
cis-1,2-Dichloroethene	not established	<0.50	<2.5	<2.5	<1.0	<1.0		<1.0	<1.0
Ethylbenzene	2100	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0
p-Isopropyltoluene	not established	NA	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0
Toluene	5980	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0
trans-1,2-Dichloroethene	10000	<0.50	<2.5	<2.5	<1.0	<1.0		<1.0	<1.0
Trichloroethene	30	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0
Vinyl Chloride	2.4	<1.0	<2.0	<2.0	<1.0	<1.0		<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	<2.0	NA		NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Manson Branch Seep West #2 (Seep #2)**																
Sample Location		**Seep Located 350 ft downstream of Hwy 24 on the west bank**																
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**6/7/2000**	**11/2/2000**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/30/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)																		
1,1,1-Trichloroethane	not established	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	**1.7**	<1.0	<1.0	**3.7**	**4.6**	**3.1**	**1.2**
1,1-Dichloroethane	not established	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	not established	<250	<250	<200	<250	<250	<250	<250	<250	<250	NA	<100	<100	<100	NA	<50	<50	<50
Chloroethane	not established	<10.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
Chloroform	470	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	**3.8**	**7.9**	<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5	**4.4**	**5.7**	**4.0**	**8.2**	**23**	**21**	**18**	**11**
Ethylbenzene	2100	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	<5.0	**4.5**	<1.0	<1.0	<1.0	**2.1**	<1.0	<1.0	<1.0
Toluene	5980	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**2.0**	<1.0	**33**	**26**	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<2.5	<2.5	<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	<5.0	**5.4**	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	**7.4**	<1.0	**1.4**	**23**	**26**	**13**	**4.5**
Vinyl Chloride	2.4	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	NA	<5.0	<5.0	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Seep A**						
Sample Location		**Northeast CornerThermo King Eastern Parcel**						
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/26/2008**	**4/21/2010**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**
CONSTITUENT (µg/L)								
1,1,1-Trichloroethane	not established	<1.0		<5.0	<5.0		<5.0	
1,1,2-Trichloroethane	16	<1.0		<5.0	<5.0		<5.0	
1,1-Dichloroethene	7100	<1.0		<5.0	<5.0		<5.0	
1,1-Dichloroethane	not established	<1.0		<5.0	<5.0		<5.0	
1,4-Dioxane	not established	<200		<250	<250		<250	
Chloroethane	not established	<1.0		<5.0	<5.0		<10.0	
Chloroform	470	<1.0		<5.0	<5.0		<5.0	
cis-1,2-Dichloroethene	not established	<0.50	DRY	<5.0	<5.0	DRY	<2.5	DRY
Ethylbenzene	2100	<1.0	Not Sampled	<5.0	<5.0	Not Sampled	<5.0	Not Sampled
p-Isopropyltoluene	not established	NA		NA	NA		<5.0	
Toluene	5980	<1.0		<5.0	<5.0		<5.0	
trans-1,2-Dichloroethene	10000	<0.50		<5.0	<5.0		<2.5	
Trichloroethene	30	<1.0		<5.0	<5.0		<5.0	
Vinyl Chloride	2.4	<1.0		<2.0	<2.0		<2.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA		NA	NA		NA	

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Seep B**															
Sample Location		**Thermo King Eastern Parcel**															
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/30/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**	**6/3/2010**	**June 2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)																	
1,1,1-Trichloroethane	not established	<1.0	<5.0	<5.0	<5.0	**10**	<5.0				<1.0			<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	not established	<200	<250	<250	<250	<420	<250				<100			NA	<50	<50	<50
Chloroethane	not established	<1.0	<5.0	<5.0	<5.0	<8.4	<10.0				<5.0			<5.0	<1.0	<1.0	<1.0
Chloroform	470	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	<0.50	<5.0	<5.0	<5.0	**16**	<2.5	DRY	DRY	DRY	<1.0	DRY	DRY	<1.0	<1.0	**27**	**5.2**
Ethylbenzene	2100	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0	Not Sampled	Not Sampled	Not Sampled	<1.0	Not Sampled	Not Sampled	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<5.0				<1.0			<1.0	<1.0	<1.0	<1.0
Toluene	5980	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	**12**	**1.5**
trans-1,2-Dichloroethene	10000	<0.50	<5.0	<5.0	<5.0	<8.4	<2.5				<1.0			<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	<1.0	<5.0	<5.0	<5.0	**41**	<5.0				**2.9**			<1.0	<1.0	**6.3**	**1.2**
Vinyl Chloride	2.4	<1.0	<2.0	<2.0	<2.0	<3.3	<2.0				<1.0			<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA				NA			<5.0	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Seep C**											
Sample Location		**Thermo King Eastern Parcel, down slope of the draw**											
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**	**6/2/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012 (not sampled at Seep C location)**	**8/7/2012**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**
CONSTITUENT (µg/L)													
1,1,1-Trichloroethane	not established	**120**	<140	<5.0	**380**	**380**	**49**	**28**	NA	**32**	**32**	<1.0	Not
1,1,2-Trichloroethane	16	<25	<140	<5.0	<310	<190	<10.0	<12	NA	**1.0**	<1.0	<1.0	Sampled
1,1-Dichloroethene	7100	**110**	<140	<5.0	<310	**240**	**99**	**64**	NA	**87**	**140**	**1.8**	Seep C
1,1-Dichloroethane	not established	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	**4.0**	**7.3**	covered
1,4-Dioxane	not established	<1200	<7100	<250	<16000	<9600	<500	<620	NA	NA	<100	<100	with
Chloroethane	not established	<25	<140	<5.0	<310	<190	<20.0	<25	NA	<5.0	<5.0	<5.0	rip-rap
Chloroform	470	<25	<140	<5.0	<310	<190	<10.0	<12	NA	**2.3**	**2.5**	<1.0	
cis-1,2-Dichloroethene	not established	**13**	<140	<5.0	<310	<190	**11**	**12**	NA	**19**	**130**	**32**	
Ethylbenzene	2100	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	<1.0	**25**	
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<10.0	<12	NA	<1.0	<1.0	<1.0	
Toluene	5980	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	<1.0	**180**	
trans-1,2-Dichloroethene	10000	<12	<140	<5.0	<310	<190	<5.0	<12	NA	<1.0	<1.0	<1.0	
Trichloroethene	30	**840**	**720**	<5.0	**1300**	**1000**	**670**	**500**	NA	**530**	**880**	<1.0	
Vinyl Chloride	2.4	<25	<57	<2.0	<120	<77	<10.0	<12	NA	<1.0	**11**	**14**	
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	<5.0	<20	NA	NA	

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Seep D**							**Seep G**														
Sample Location		**Thermo King Eastern Parcel**							**Thermo King Eastern Parcel**														
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/26/2008**	**4/21/2010**	**June 2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)																							
1,1,1-Trichloroethane	not established	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		**1.9**	**5.2**	<1.0	<1.0	**2.2**	**1.7**	<1.0
1,1-Dichloroethane	not established	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	not established	<200	<250	<250	<250	<250	<250	<250	<200	<250	<250	<360	<250	<250	<250		<100	<100	<100	NA	<50	<50	<50
Chloroethane	not established	<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<1.0	<5.0	<5.0	<7.2	<5.0	<10.0	<10.0		<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
Chloroform	470	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5	**0.73**	**13**	**9.3**	<7.2	<5.0	<2.5	**7.7**	DRY	**7.4**	**49**	**6.2**	**7.6**	**11**	**9.7**	**6.4**
Ethylbenzene	2100	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0	Not Sampled	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<5.0	<5.0	NA	NA	NA	NA	NA	<5.0	<5.0		<1.0	<1.0	<1.0	**2.6**	<1.0	<1.0	<1.0
Toluene	5980	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	**6.4**	**2.4**	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5	<0.50	<5.0	<5.0	<7.2	<5.0	<2.5	<2.5		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	**7.8**		**2.6**	<1.0	<1.0	**3.8**	**4.8**	**7.0**	<1.0
Vinyl Chloride	2.4	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.9	<2.0	<2.0	<2.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	<5.0	<5.0	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Seep H**															
Sample Location		**Thermo King Eastern Parcel**															
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/26/2008**	**4/21/2010**	**6/3/2010**	**June 2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - Canton**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)																	
1,1,1-Trichloroethane	not established	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0	<2.0		<1.0	<1.0	**15**	**20**	<20	**12**	**9.6**
1,1,2-Trichloroethane	16	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0	<2.0		<1.0	<1.0	<1.0	<1.0	<20	<2.5	<1.7
1,1-Dichloroethene	7100	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	**6.0**	**12**		**2.3**	**6.7**	**69**	**140**	**84**	**77**	**58**
1,1-Dichloroethane	not established	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0	<2.0		<1.0	**2.0**	**1.1**	<1.0	<20	<2.5	<1.7
1,4-Dioxane	not established	<200	<250	<420	<250	<250	<250	<250	<100		<100	<100	<100	NA	<1000	<130	<84
Chloroethane	not established	<1.0	<5.0	<8.4	<5.0	<5.0	<10.0	<10.0	<2.0		<5.0	<5.0	<5.0	<5.0	<20	<2.5	<1.7
Chloroform	470	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0	<2.0		<1.0	<1.0	**2.6**	**2.3**	<20	<2.5	<1.7
cis-1,2-Dichloroethene	not established	**6.9**	**12**	**30**	**13**	**27**	<2.5	**26**	**63**	DRY	**16**	**110**	**120**	**64**	**47**	**45**	**64**
Ethylbenzene	2100	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0	<2.0	Not Sampled	<1.0	<1.0	<1.0	<1.0	<20	<2.5	<1.7
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<5.0	<5.0	<2.0		<1.0	<1.0	<1.0	<1.0	<20	<2.5	<1.7
Toluene	5980	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0	<2.0		<1.0	**170**	**19**	**1.6**	<20	<2.5	**1.8**
trans-1,2-Dichloroethene	10000	<0.50	<5.0	<8.4	<5.0	<5.0	<2.5	<2.5	<2.0		<1.0	**3.8**	<1.0	<1.0	<20	<2.5	<1.7
Trichloroethene	30	**24**	**15**	<8.4	<5.0	**7.1**	**5.1**	**38**	**41**		**2.0**	<1.0	**800**	**550**	**610**	**530**	**490**
Vinyl Chloride	2.4	<1.0	<2.0	<3.3	<2.0	<2.0	<2.0	<2.0	<2.0		<1.0	**31**	<1.0	<1.0	<20	<2.5	<1.7
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	<5.0	<5.0	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Seep I**														
Sample Location		**Thermo King Eastern Parcel**														
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/30-31/2004**	**11/17/2004**	**2/27/2008**	**4/22/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**		**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)																
1,1,1-Trichloroethane	not established	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	<1.0	<1.0	**9.5**		<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	**9.3**	<1.0	**60**		<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	**1.9**	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	not established	<200	<250	<250		<250	<250	<250	NA	<100	<100		NA	<50	<50	<50
Chloroethane	not established	<1.0	<5.0	<5.0		<5.0	<10.0	<10.0	<5.0	<5.0	<5.0		<5.0	<1.0	<1.0	<1.0
Chloroform	470	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	<1.0	<1.0	**2.2**		<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	<0.50	<5.0	<5.0	DRY	<5.0	<2.5	<2.5	**64**	<1.0	**68**	DRY	<1.0	<1.0	<1.0	**1.3**
Ethylbenzene	2100	<1.0	<5.0	<5.0	not sampled	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	not sampled	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	NA	NA	NA		NA	<5.0	<5.0	**1.4**	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
Toluene	5980	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	**2.3**	<1.0	**17**		<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<0.50	<5.0	<5.0		<5.0	<2.5	<2.5	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	**2.5**	<1.0	**380**		<1.0	<1.0	**4.2**	**1.9**
Vinyl Chloride	2.4	<1.0	<2.0	<2.0		<2.0	<2.0	<2.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA		NA	NA	NA	<2.0	NA	NA		<5.0	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Seep J**							**Seep K**					
Sample Location		**Thermo King Eastern Parcel**							**Northeast CornerThermo King Eastern Parcel**					
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**5/14/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/26/2008**	**4/22/2010**	**3/24/2004**	**6/24/2004**	**8/31/2004**	**11/17/2004**	**2/26/2008**	**4/22/2010**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**
CONSTITUENT (µg/L)														
1,1,1-Trichloroethane	not established	<25	<5.0	<12.0	<33	<25	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	16	<25	<5.0	<12.0	<33	<25	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0
1,1-Dichloroethene	7100	<25	<5.0	<12.0	<33	<25	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0
1,1-Dichloroethane	not established	<25	<5.0	<12.0	<33	<25	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0
1,4-Dioxane	not established	<1000	<250	<620	<1700	<1200	<250	<250	<250	<250	<1000	<250	<250	<250
Chloroethane	not established	<25	<5.0	<12.0	<33	<25	<10.0	<10.0	<5.0	<5.0	<20	<5.0	<10.0	<10.0
Chloroform	470	<25	<5.0	<12.0	<33	<25	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	not established	**910**	**84**	**66**	**190**	**110**	<2.5	<2.5	**10**	<5.0	**85**	<5.0	**12**	**5.3**
Ethylbenzene	2100	<25	<5.0	<12.0	<33	<25	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<5.0	<5.0	NA	NA	NA	NA	<5.0	<5.0
Toluene	5980	**280**	<5.0	<12.0	<33	<25	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	10000	**13**	<5.0	<12.0	<33	<25	<2.5	<2.5	<5.0	<5.0	<20	<5.0	<2.5	<2.5
Trichloroethene	30	<25	<5.0	<12.0	<33	<25	<5.0	<5.0	<5.0	<5.0	<20	<5.0	**13**	**5.8**
Vinyl Chloride	2.4	<25	**26**	<5.0	<13	**11**	<2.0	<2.0	<2.0	<2.0	<8	<2.0	<2.0	<2.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		**Seep L**														
Sample Location		**Northeast CornerThermo King Eastern Parcel**														
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**3/24/2004**	**6/24/2004**	**8/31/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**	**6/3/2010**	**June 2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)																
1,1,1-Trichloroethane	not established	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	not established	<250	<250	<250	<250	<250		<50		<100			NA	<50	<50	<50
Chloroethane	not established	<5.0	<5.0	<5.0	<5.0	<10.0		<1.0		<5.0			<5.0	<1.0	<1.0	<1.0
Chloroform	470	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	**5.4**	<5.0	<5.0	<5.0	<2.5	DRY	<1.0	DRY	<1.0	DRY	DRY	**2.0**	**5.9**	**4.6**	<1.0
Ethylbenzene	2100	<5.0	<5.0	<5.0	<5.0	<5.0	not sampled	<1.0	not sampled	<1.0	not sampled	not sampled	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	NA	NA	NA	NA	<5.0		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
Toluene	5980	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<5.0	<5.0	<5.0	<5.0	<2.5		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0			<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	2.4	<2.0	<2.0	<2.0	<2.0	<2.0		<1.0		<1.0			<1.0	**1.3**	**2.1**	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA		NA		NA			<5.0	NA	NA	<1.0

Notes:

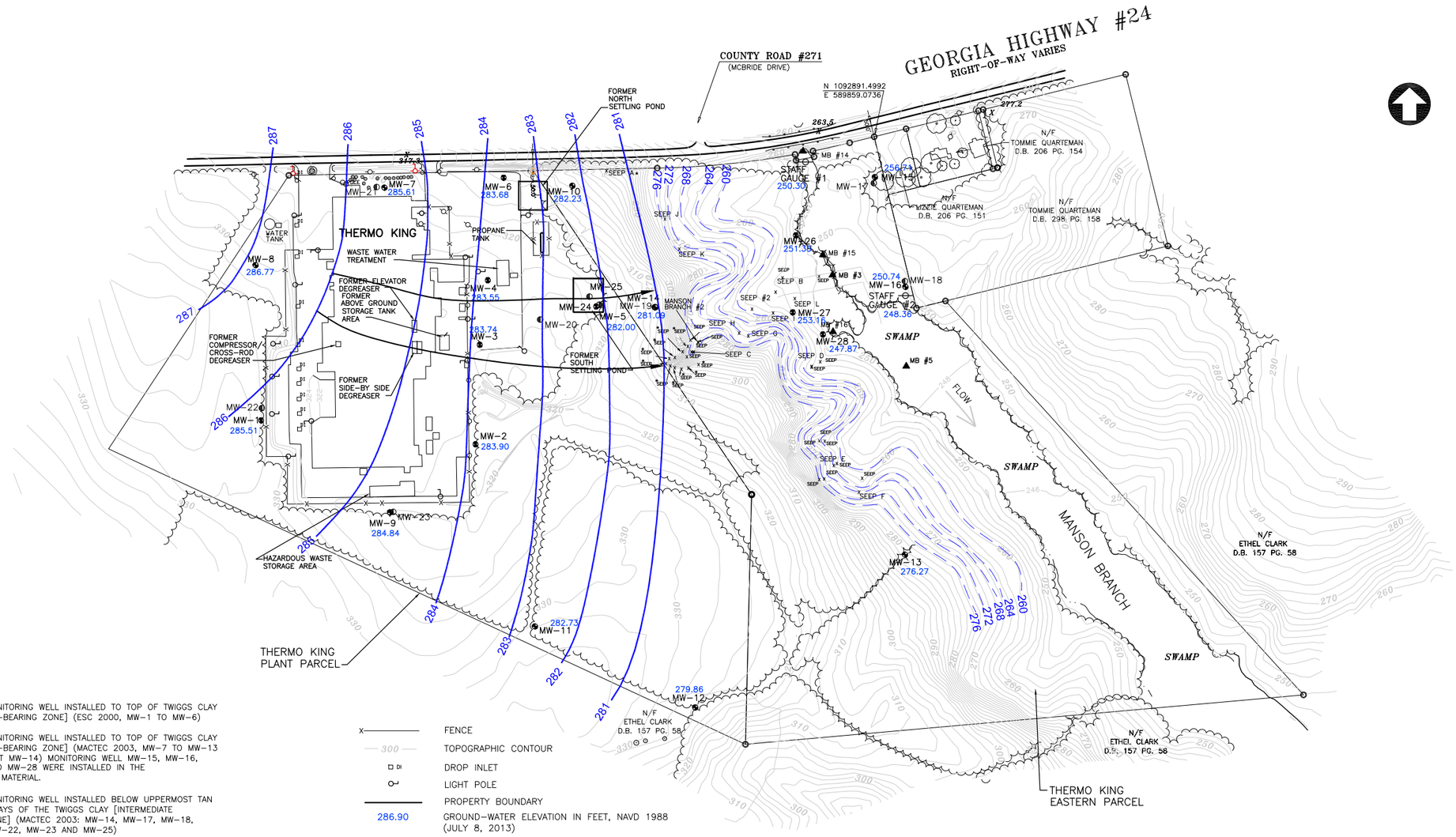
µg/L	micrograms per liter
Hwy	Highway
NA	Sample not analyzed for this constituent
E	Estimated; result exceeds calibration range
(a)	Georgia Instream Surface Water GADNR 2011 Rules and Regulations for Water Quality Control (ISWQC)
	Exceeds Georgia ISWQC
BOLD	**Detected Concentration**

Prepared by/Date: DP 02/07/13 RNO 7/30/2013
Checked by/Date: MHA 8/11/13

TABLE 4: SUMMARY OF HOURS INVOICED AND DESCRIPTION OF SERVICES FOR DOCUMENTATION OF PE DIRECT OVERSIGHT FOR VOLUNTARY REMEDIATION PROGRAM ACTIVITIES

	Hours Invoiced	Billing Period	Invoice #	Description of Services
Gregory J. Wrenn, P.E.	10	2/16/2013 through 3/22/2013	H0210113 03/29/2013	Data evaluation, preparation and review of VRP Status Report No. 4. Preparation and publishing public notice in local newspaper advertising the facility's intent to terminate the industrial pre-treatment wastewater discharge permit. Preparation and submittal of data package to EPD documenting the public notice. General project management.
Total Project Hours for Billing Period	73			
Gregory J. Wrenn, P.E.	2	3/23/2013 through 4/19/2013	H02101227 5/1/2013	Coordinate and procure laboratory services, supplies and equipment for quarterly sampling of the seeps. Performed quarterly seep sampling and review of field data. General project management.
Total Project Hours for Billing Period	29.7			
Gregory J. Wrenn, P.E.	10.5	4/20/2013 through 5/24/2013	H02101299 5/31/2013	Review of field and laboratory data from April seep sampling event. Review of site environmental conditions and their impact on sale of the property including mitigation/remediation with Thermo King and Ingersoll Rand. Preparation and submittal of updated financial assurance documentation for implementation of the VRP remediation plan. General project management.
Total Project Hours for Billing Period	38.4			
Gregory J. Wrenn, P.E.	2.5	5/25/2013 through 6/14/2013	H02101334 6/21/2013	Procurement of laboratory services, equipment and supplies for second semi-annual water monitoring event. Communication with EPD regarding whether the properties to the north of Highway 24 would be listed as abutting properties on the covenant. General project management.
Total Project Hours for Billing Period	8.3			
Gregory J. Wrenn, P.E.	5	6/15/2013 through 7/19/2013	H02101372 7/25/2013	Performed semi-annual groundwater, seep, and surface water sampling and analysis. Measured water levels in all site monitoring wells. Communication with EPD regarding the properties to the north of Highway 24 and the environmental covenant. General project management.
Total Project Hours for Billing Period	94.5			
Gregory J. Wrenn, P.E.	6.5	7/20/2013 through 8/23/2013	H02101464 8/29/2013	Data evaluation of semi-annual water monitoring field and laboratory data. Preparation of Status Report No. 5. Communications with EPD regarding the environmental covenant and the properties to the north of Highway 24. Revision of the environmental covenant. Review of Status Report No. 5. General project management.
Total Project Hours for Billing Period	69.7			
Total Hours for PE Gregory J. Wrenn	**36.5**			
Total Project Hours	**313.6**			

FIGURES



LEGEND

MW-1	GROUND-WATER MONITORING WELL INSTALLED TO TOP OF TWIGGS CLAY [UPPERMOST WATER-BEARING ZONE] (ESC 2000, MW-1 TO MW-6)
MW-7	GROUND-WATER MONITORING WELL INSTALLED TO TOP OF TWIGGS CLAY [UPPERMOST WATER-BEARING ZONE] (MACTEC 2003, MW-7 TO MW-13 AND MW-19, EXCEPT MW-14) MONITORING WELL MW-15, MW-16, MW-26, MW-27 AND MW-28 WERE INSTALLED IN THE COLLUVIAL/ALLUVIAL MATERIAL.
MW-14	GROUND-WATER MONITORING WELL INSTALLED BELOW UPPERMOST TAN AND BLUE-GRAY CLAYS OF THE TWIGGS CLAY [INTERMEDIATE WATER-BEARING ZONE] (MACTEC 2003: MW-14, MW-17, MW-18, MW-20, MW-21, MW-22, MW-23 AND MW-25)
MW-24	GROUND-WATER MONITORING WELL INSTALLED IN LOWER WATER BEARING ZONE.
SEEP A 299.0	WATER SEEP WITH ELEVATION SAMPLED FOR SURFACE WATER FOR LABORATORY ANALYSIS (MACTEC 2003: Seeps A through Manson Branch #2, and Seep #2)
X SEEP 252.9	WATER SEEP WITH ELEVATION
MB #14	MANSON BRANCH SURFACE WATER SAMPLING LOCATION (MACTEC 2003: MB#14, MB#15, MB#16)
	STAFF GAUGE FOR MEASURING SURFACE WATER ELEVATION
	BUSH
	BUSHLINE
	TREE
	TREELINE
	HEDGE
	STREAM
	FENCE
300	TOPOGRAPHIC CONTOUR
DI	DROP INLET
	LIGHT POLE
	PROPERTY BOUNDARY
286.90	GROUND-WATER ELEVATION IN FEET, NAVD 1988 (JULY 8, 2013)
284	POTENTIOMETRIC SURFACE CONTOUR IN FEET, NAVD 1988 IN UPPERMOST WATER-BEARING ZONE
276	TOPOGRAPHIC CONTOUR IN FEET, NAVD 1988
	INTERPRETED DIRECTION OF GROUND-WATER FLOW IN UPPERMOST WATER-BEARING ZONE
X	SEEPS NOT USED IN CONTORING
*	GROUNDWATER ELEVATIONS NOT USED IN CONTOURING WELLS MW-15, MW-16, MW-26, MW-27, AND MW-28 ARE SCREENED IN COLLUVIAL/ALLUVIAL MATERIAL ALONG MANSON BRANCH AND NOT THE UPPERMOST WATER BEARING ZONE.

SOURCE: TOPOGRAPHIC AND PROPERTY BOUNDARY SURVEYS BY SURVEYING SOLUTIONS, INC., JULY 2002 AND HOFFMAN & COMPANY INC., USING FEBRUARY 2002 AERIAL PHOTOGRAPH. AND GROUND SURVEYING. 2000 CSR SAMPLING LOCATIONS SURVEYED BY MACTEC ENGINEERING AND CONSULTING, INC. SEPTEMBER 2003 AND DECEMBER 2004. LOCATIONS OF FORMER NORTH AND SOUTH SETTLING PONDS APPROXIMATED FROM HISTORICAL AERIAL PHOTOGRAPHS.

SCALE IN FEET
0 200 400

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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED M. ANDREWS
DRAWN T. GLADSTONE
CHECKED R. QUINN
IN CHARGE D. ALCOTT
DATE 8/7/2013

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

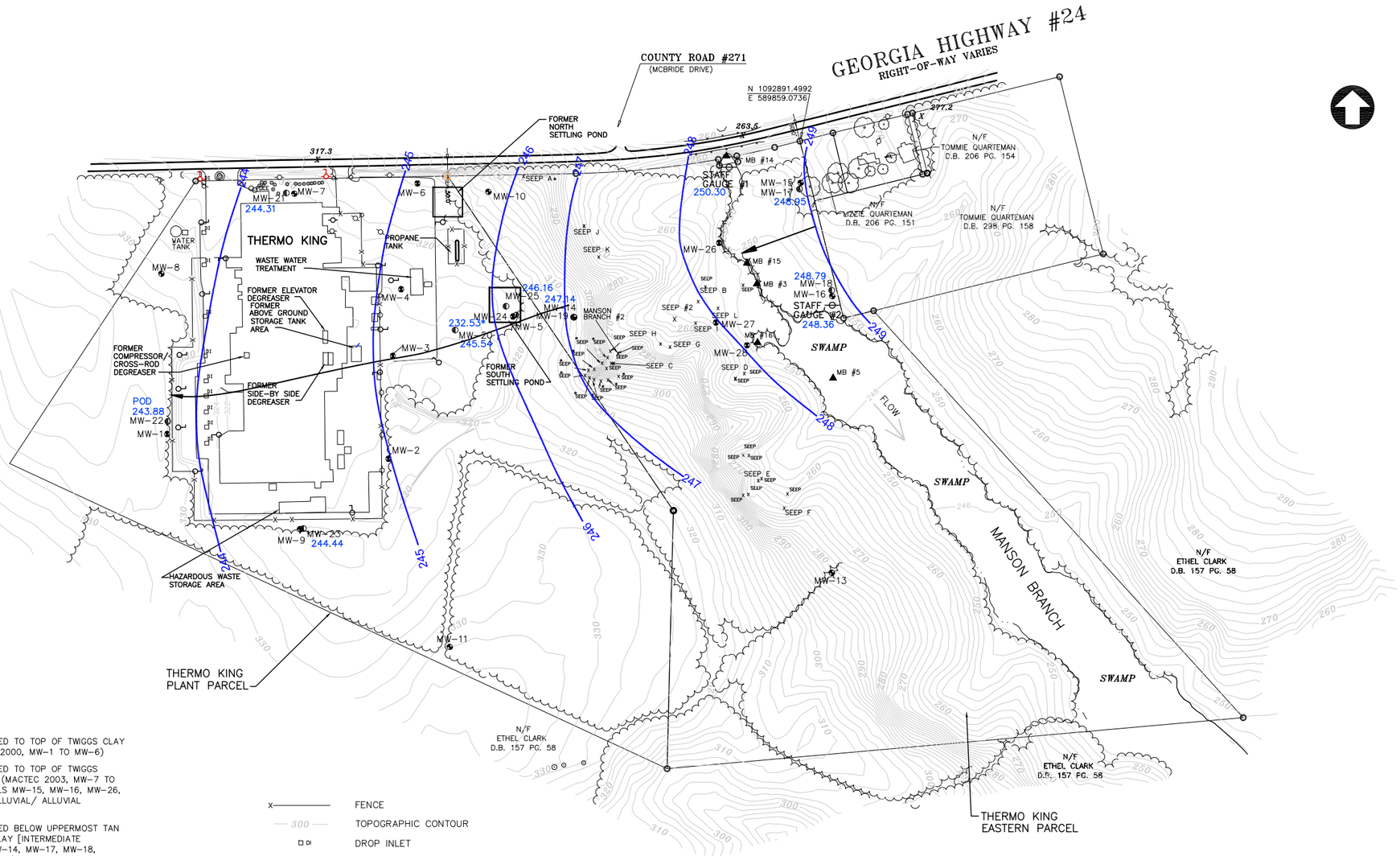
AMEC Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

POTENTIOMETRIC SURFACE MAP FOR UPPERMOST WATER-BEARING ZONE JULY 2013

FIGURE: 1

SCALE: AS SHOWN
CONTRACT: 6122-09-0322
DWG. NO. | REV | PAGE NO

J:\Thermo King\JANUARY 2013\POTMAP-UPPERMOST_JULY 2013.dwg - Layout1 09/04/2013 8:40am Tonya.gladstone



LEGEND

MW-1	GROUND-WATER MONITORING WELL INSTALLED TO TOP OF TWIGGS CLAY [UPPERMOST WATER-BEARING ZONE] (ESC 2000, MW-1 TO MW-6)
MW-7	GROUND-WATER MONITORING WELL INSTALLED TO TOP OF TWIGGS CLAY [UPPERMOST WATER-BEARING ZONE] (MACTEC 2003, MW-7 TO MW-13 AND MW-19, EXCEPT MW-14). WELLS MW-15, MW-16, MW-26, MW-27 AND MW-28 INSTALLED IN THE COLLUVIAL/ ALLUVIAL MATERIAL, MACTEC 2003 AND 2010.
MW-14	GROUND-WATER MONITORING WELL INSTALLED BELOW UPPERMOST TAN AND BLUE-GRAY CLAYS OF THE TWIGGS CLAY [INTERMEDIATE WATER-BEARING ZONE] (MACTEC 2003: MW-14, MW-17, MW-18, MW-20, MW-21, MW-22, MW-23 AND MW-25)
MW-24	GROUND-WATER MONITORING WELL INSTALLED IN LOWER WATER BEARING ZONE.
SEEP A 295.0	WATER SEEP WITH ELEVATION SAMPLED FOR SURFACE WATER FOR LABORATORY ANALYSIS (MACTEC 2003: Seeps A through J, Manson Branch #2, and Seep #2)
X SEEP 274.0	WATER SEEP WITH ELEVATION
MB #14	MANSON BRANCH SURFACE WATER SAMPLING LOCATION (MACTEC 2003: MB#14, MB#15, MB#16)
	STAFF GAUGE FOR MEASURING SURFACE WATER ELEVATION
	BUSH
	BUSHLINE
	TREE
	TREELINE
	HEDGE
	STREAM
X	FENCE
300	TOPOGRAPHIC CONTOUR
DI	DROP INLET
	LIGHT POLE
	PROPERTY BOUNDARY
245.96	GROUND-WATER ELEVATION IN FEET, NAVD 1988 (JULY 8, 2013)
284	POTENTIOMETRIC SURFACE CONTOUR IN FEET, NAVD 1988 IN INTERMEDIATE WATER-BEARING ZONE
	INTERPRETED DIRECTION OF GROUND-WATER FLOW IN INTERMEDIATE WATER-BEARING ZONE
x	SEEPS NOT USED IN CONTORING
POD	POINT OF DEMONSTRATION WELL

NOTE: MW-24 NOT USED IN CONTOURING.

SOURCE: TOPOGRAPHIC AND PROPERTY BOUNDARY SURVEYS BY SURVEYING SOLUTIONS, INC., JULY 2002 AND HOFFMAN & COMPANY INC., USING FEBRUARY 2002 AERIAL PHOTOGRAPH. AND GROUND SURVEYING. 2000 CSR SAMPLING LOCATIONS SURVEYED BY MACTEC ENGINEERING AND CONSULTING, INC. SEPTEMBER 2003. DECEMBER 2004 LOCATIONS OF FORMER NORTH AND SOUTH SETTLING PONDS APPROXIMATED FROM HISTORICAL AERIAL PHOTOGRAPHS.

SCALE IN FEET
0 200 400

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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED M. ANDREWS
DRAWN T. GLADSTONE
CHECKED R. QUINN
IN CHARGE D. ALCOTT
DATE 8/7/2013

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

amec
AMEC Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

POTENTIOMETRIC SURFACE MAP FOR INTERMEDIATE WATER-BEARING ZONE JULY 2013

FIGURE: 2

SCALE AS SHOWN
CONTRACT 6122-09-0322
DWG. NO. REV PAGE NO

J:\Thermo King\JANUARY 2013\POT-JULY 2013.dwg - Layout1 09/04/2013 8:45am Tonya.gladstone

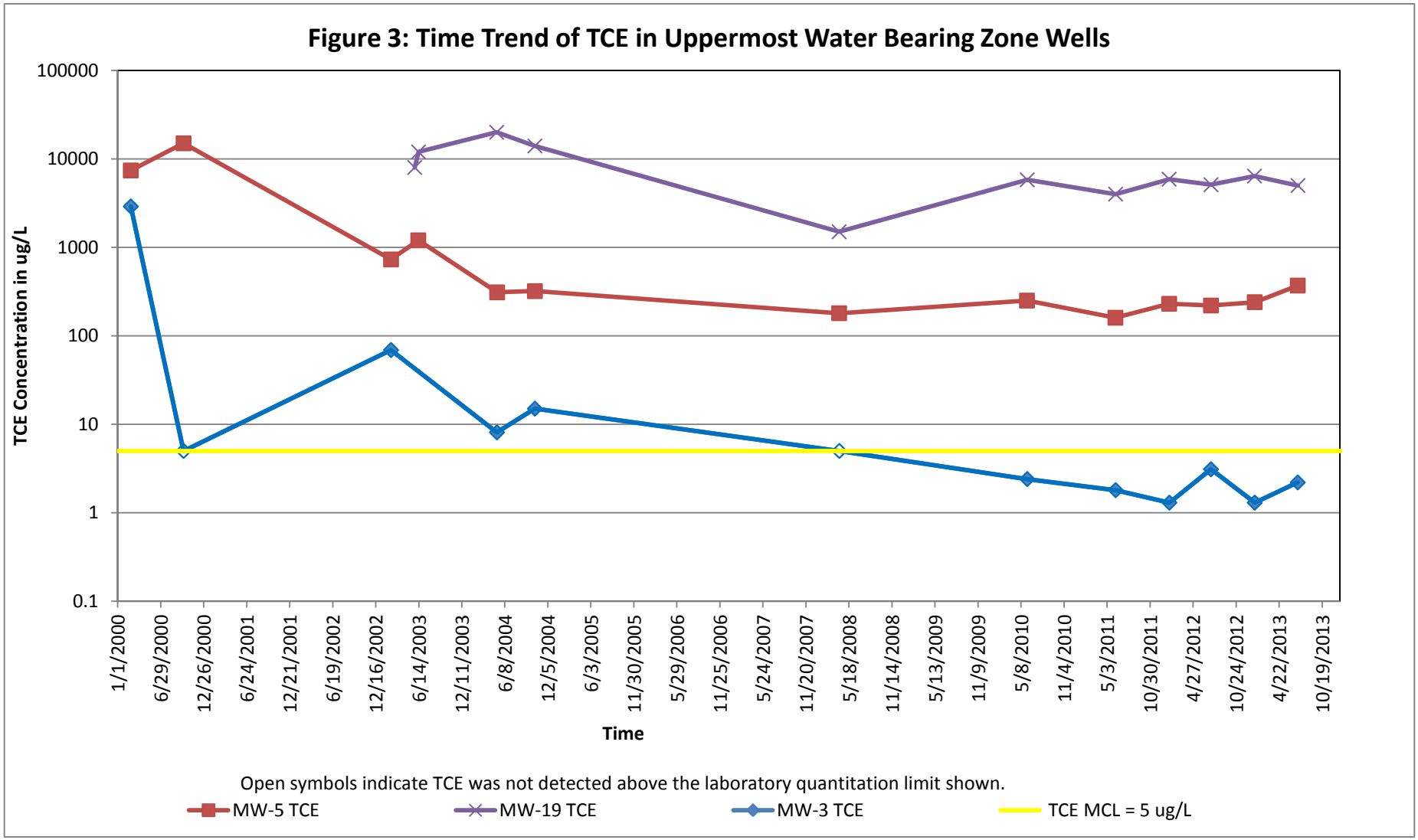
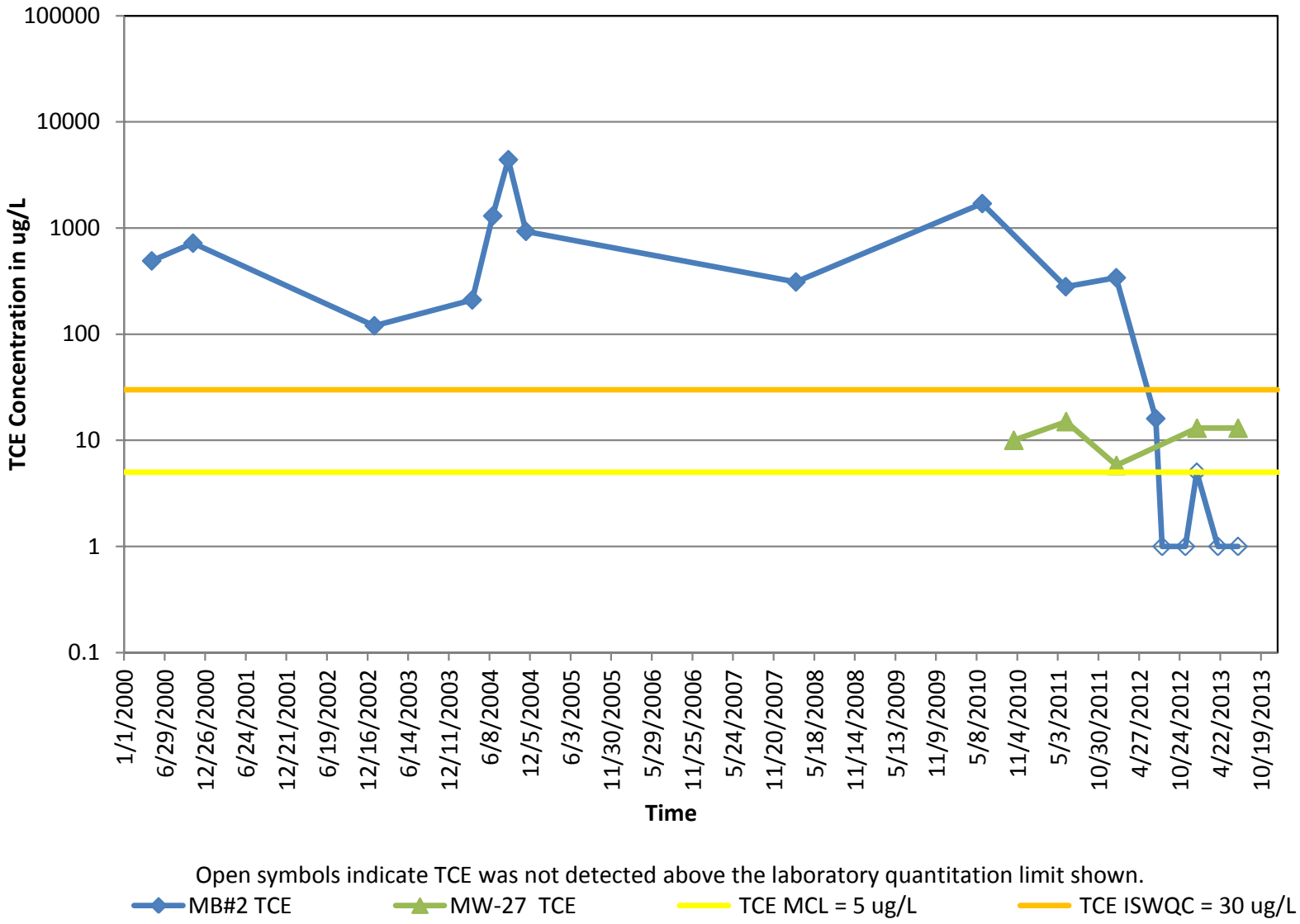


Figure 3: Time Trend of TCE in Uppermost Water Bearing Zone Wells
TCE Concentration in ug/L
100000
10000
1000
100
10
1
0.1
1/1/2000
6/29/2000
12/26/2000
6/24/2001
12/21/2001
6/19/2002
12/16/2002
6/14/2003
12/11/2003
6/8/2004
12/5/2004
6/3/2005
11/30/2005
5/29/2006
11/25/2006
5/24/2007
11/20/2007
5/18/2008
11/14/2008
5/13/2009
11/9/2009
5/8/2010
11/4/2010
5/3/2011
10/30/2011
4/27/2012
10/24/2012
4/22/2013
10/19/2013
Time
Open symbols indicate TCE was not detected above the laboratory quantitation limit shown.
MW-5 TCE
MW-19 TCE
MW-3 TCE
TCE MCL = 5 ug/L

Figure 4: Time Trend of TCE in Seep MB#2 and Well MW-27



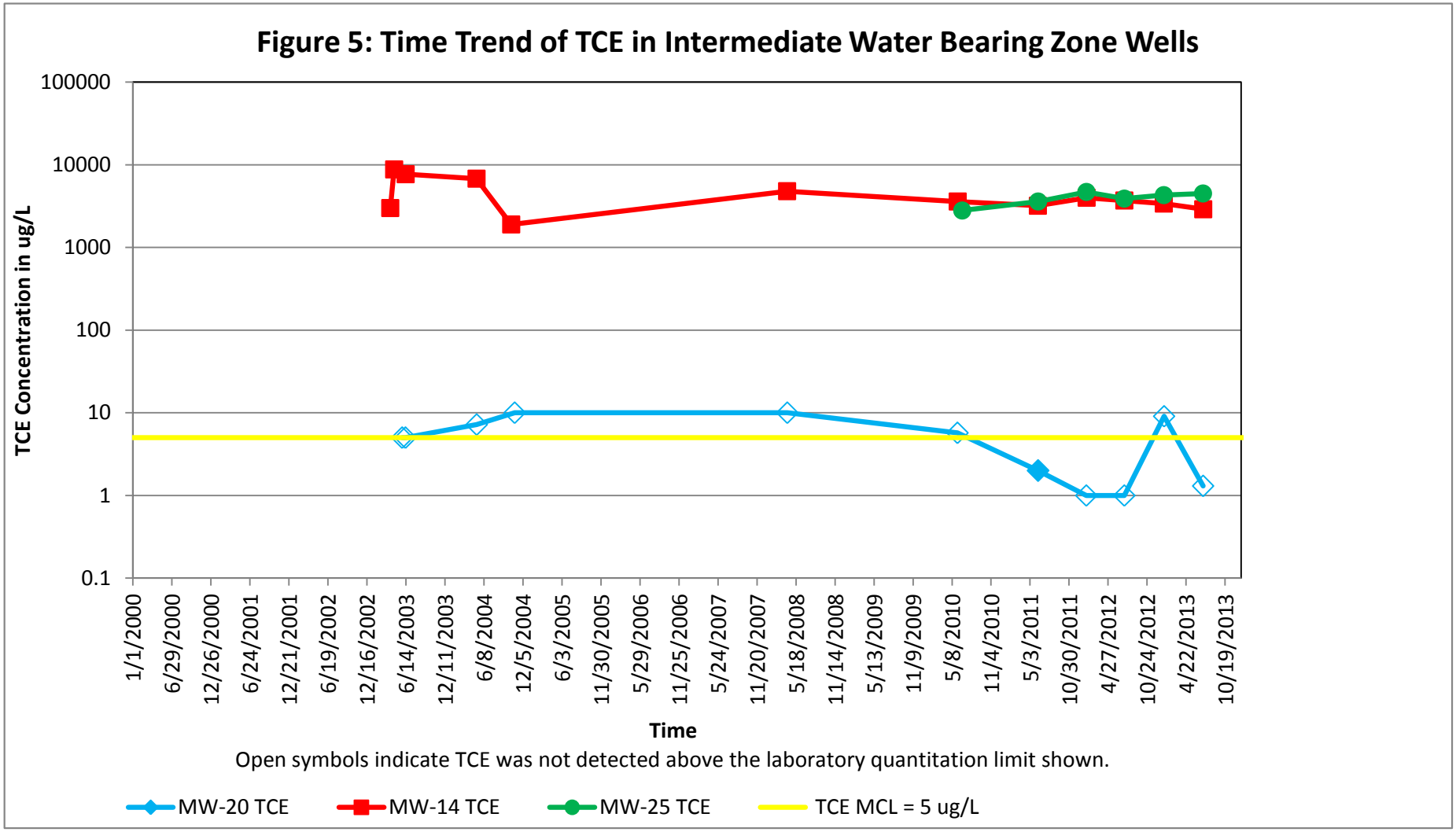
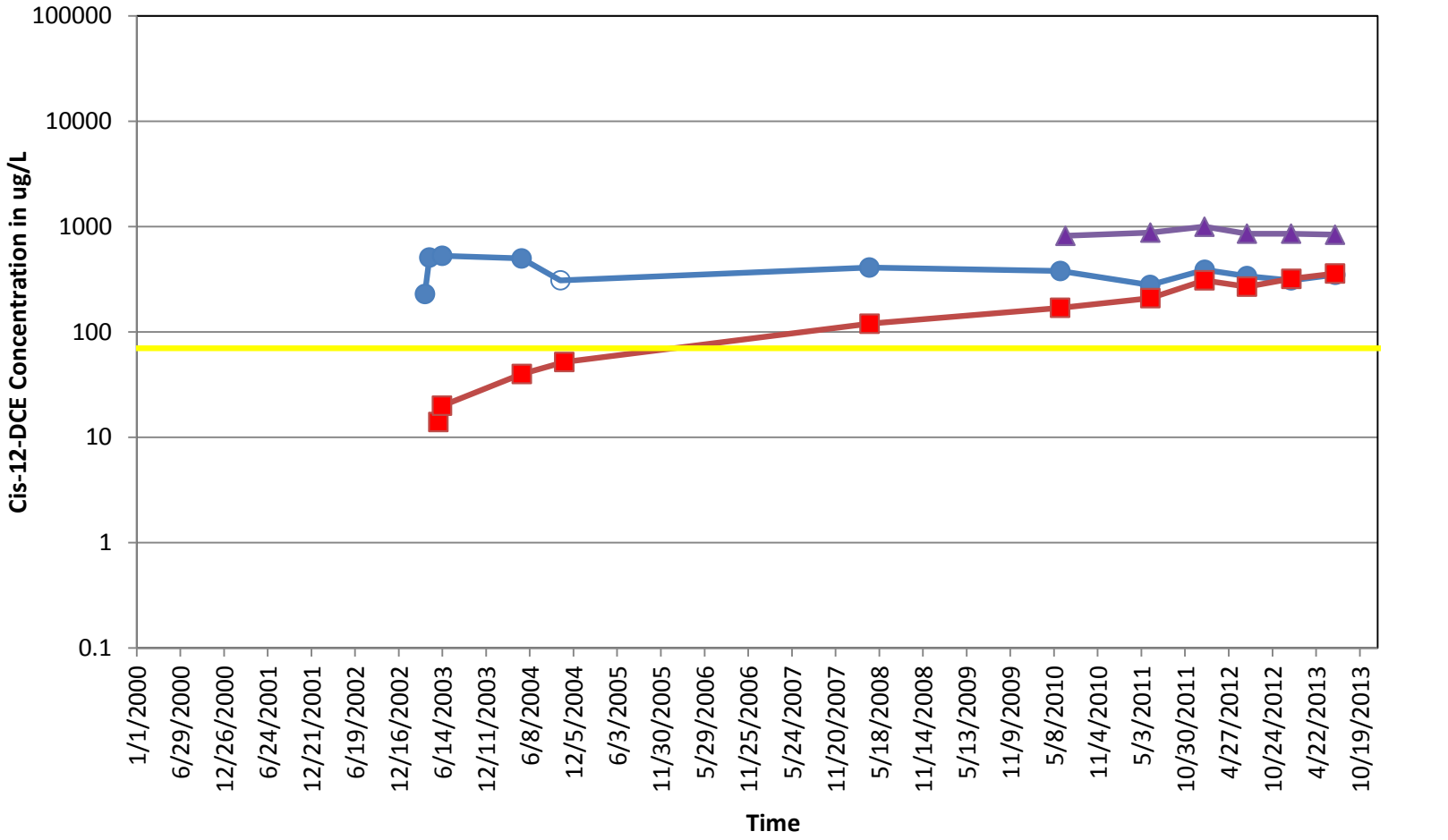


Figure 5: Time Trend of TCE in Intermediate Water Bearing Zone Wells
TCE Concentration in ug/L
100000
10000
1000
100
10
1
0.1
1/1/2000
6/29/2000
12/26/2000
6/24/2001
12/21/2001
6/19/2002
12/16/2002
6/14/2003
12/11/2003
6/8/2004
12/5/2004
6/3/2005
11/30/2005
5/29/2006
11/25/2006
5/24/2007
11/20/2007
5/18/2008
11/14/2008
5/13/2009
11/9/2009
5/8/2010
11/4/2010
5/3/2011
10/30/2011
4/27/2012
10/24/2012
4/22/2013
10/19/2013
Time
Open symbols indicate TCE was not detected above the laboratory quantitation limit shown.
MW-20 TCE
MW-14 TCE
MW-25 TCE
TCE MCL = 5 ug/L

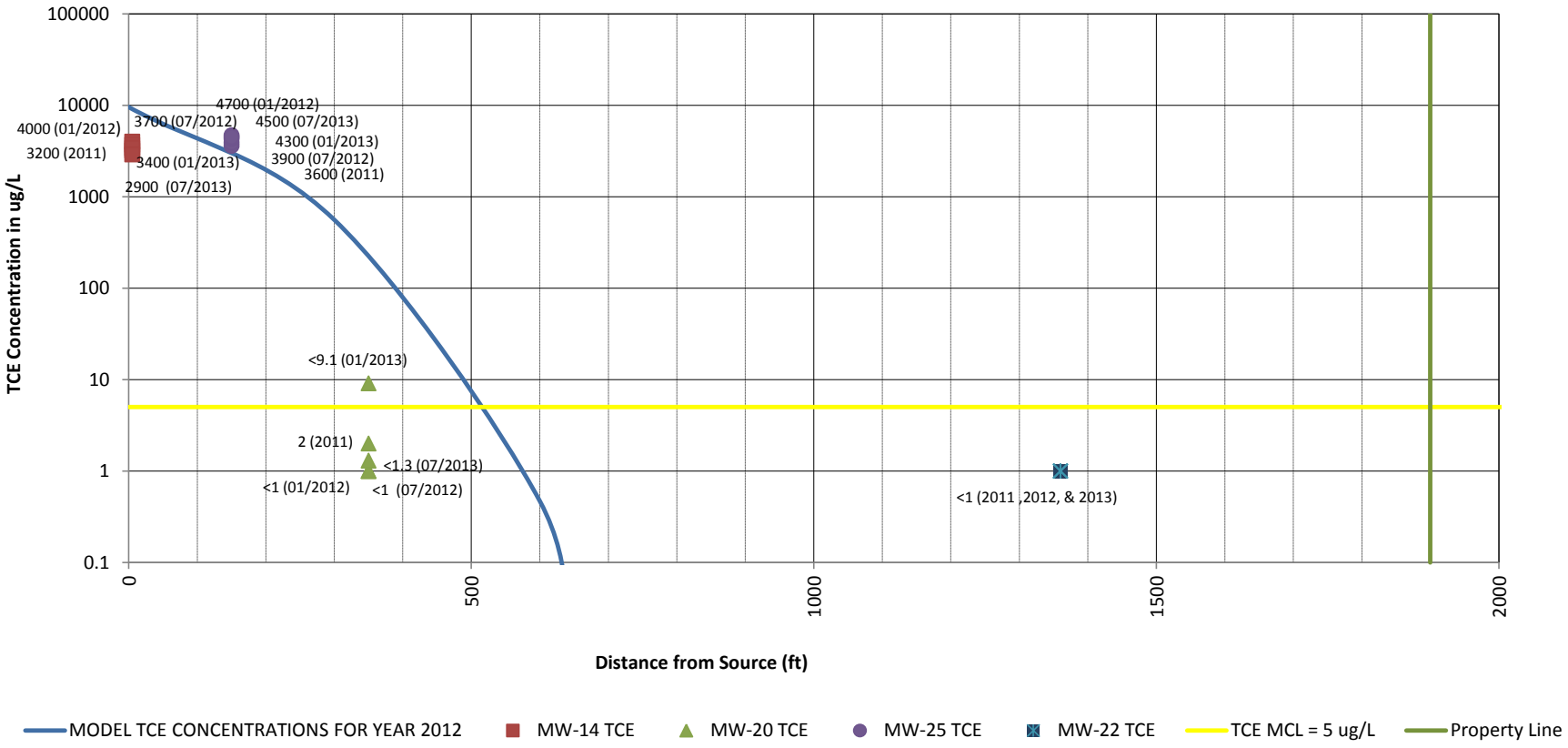
Figure 6: Time Trend of Cis-1,2-DCE in Intermediate Water Bearing Zone Wells



Open symbols indicate cis-1,2-DCE was not detected above the laboratory quantitation limit shown.

MW-14 cis-1,2-DCE | MW-20 cis-1,2-DCE | MW-25 cis-1,2-DCE | cis-1,2-DCE MCL = 70 ug/L

Figure 7: TCE in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone



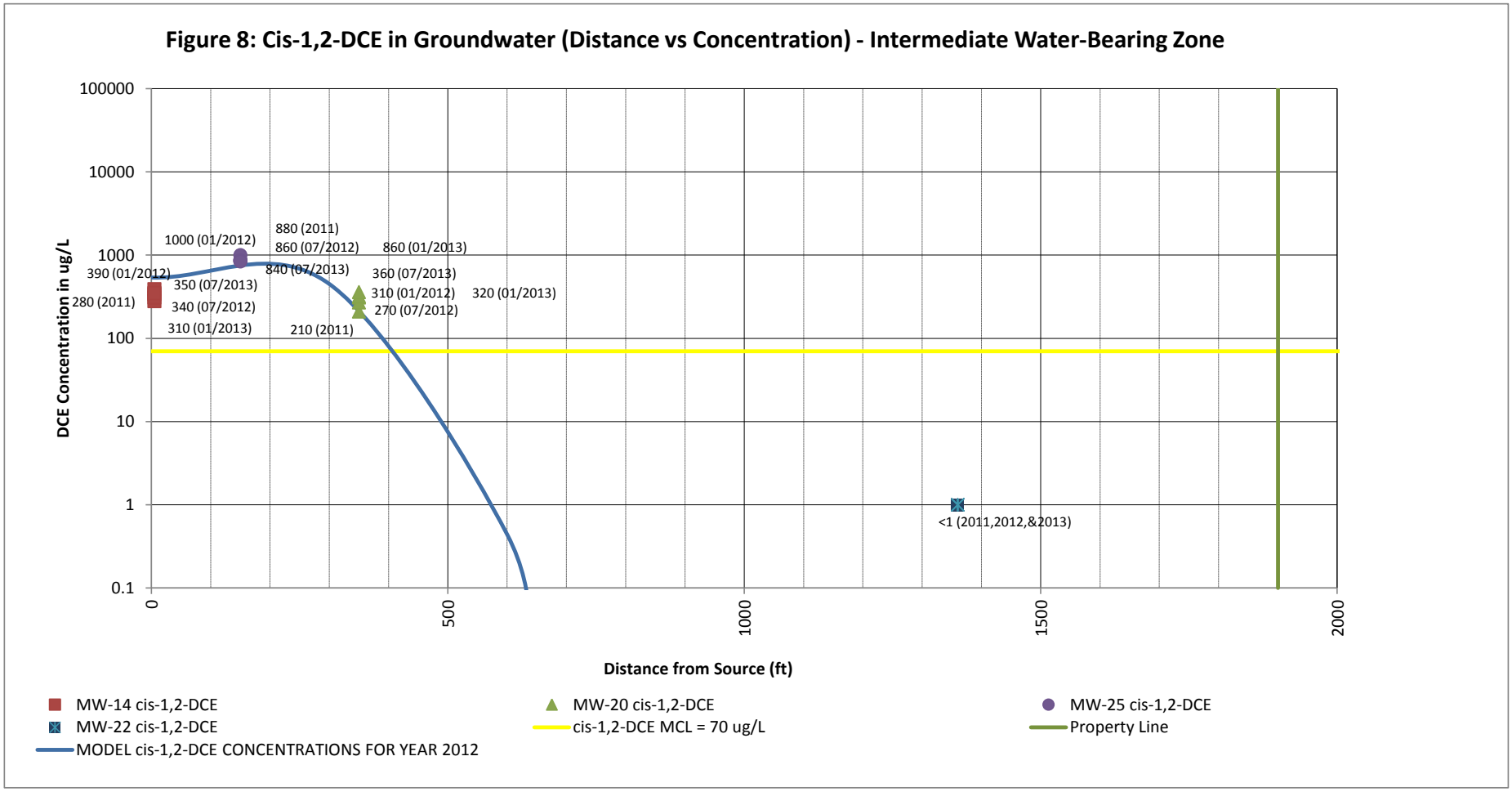


Figure 8: Cis-1,2-DCE in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone
DCE Concentration in ug/L
100000
10000
1000
100
10
1
0.1
0
500
1000
1500
2000
Distance from Source (ft)
1000 (01/2012)
880 (2011)
860 (07/2012)
860 (01/2013)
390 (01/2012)
840 (07/2013)
360 (07/2013)
350 (07/2013)
310 (01/2012)
320 (01/2013)
280 (2011)
340 (07/2012)
270 (07/2012)
310 (01/2013)
210 (2011)
<1 (2011,2012,&2013)
MW-14 cis-1,2-DCE
MW-20 cis-1,2-DCE
MW-25 cis-1,2-DCE
MW-22 cis-1,2-DCE
cis-1,2-DCE MCL = 70 ug/L
Property Line
MODEL cis-1,2-DCE CONCENTRATIONS FOR YEAR 2012

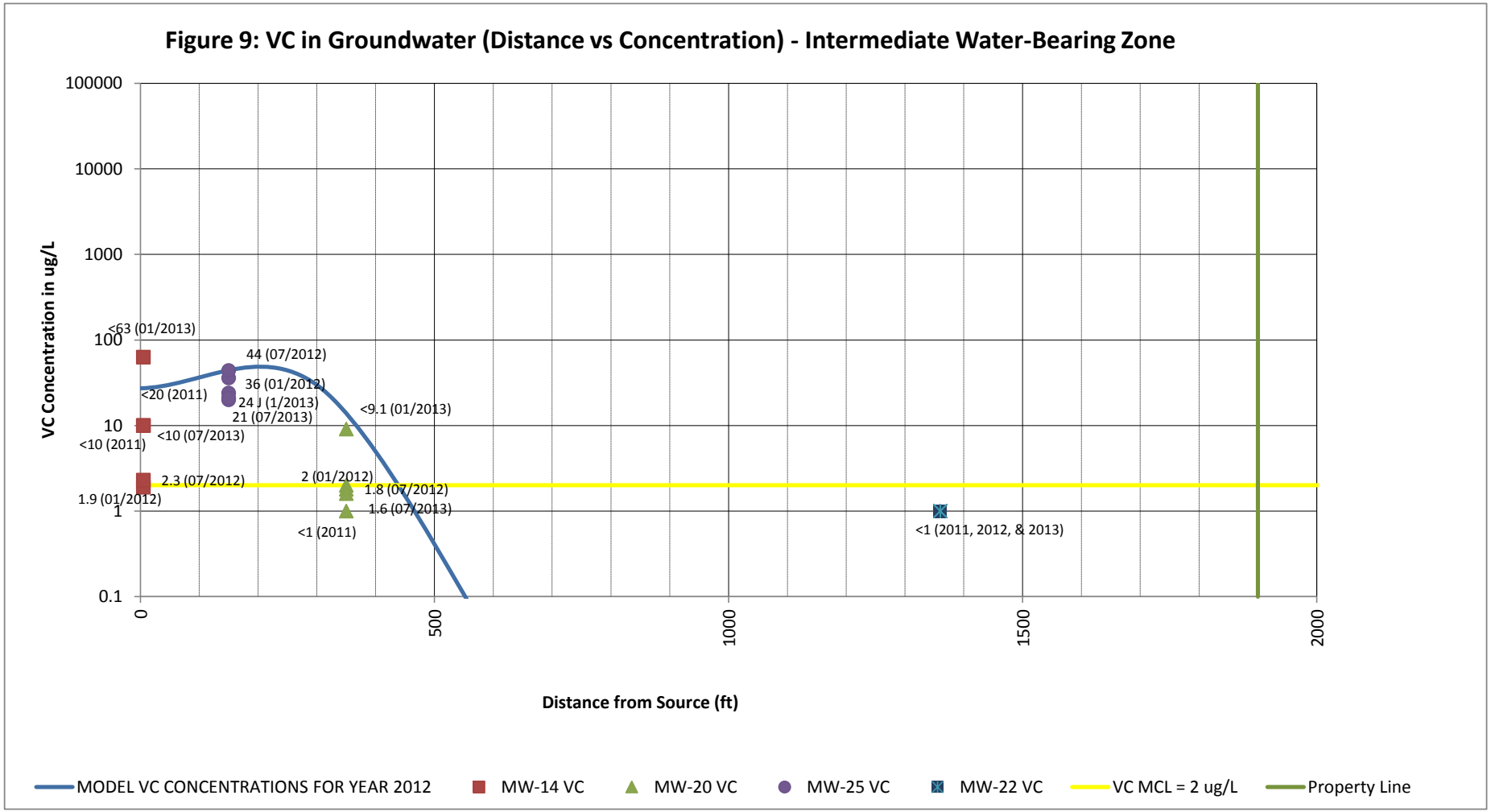
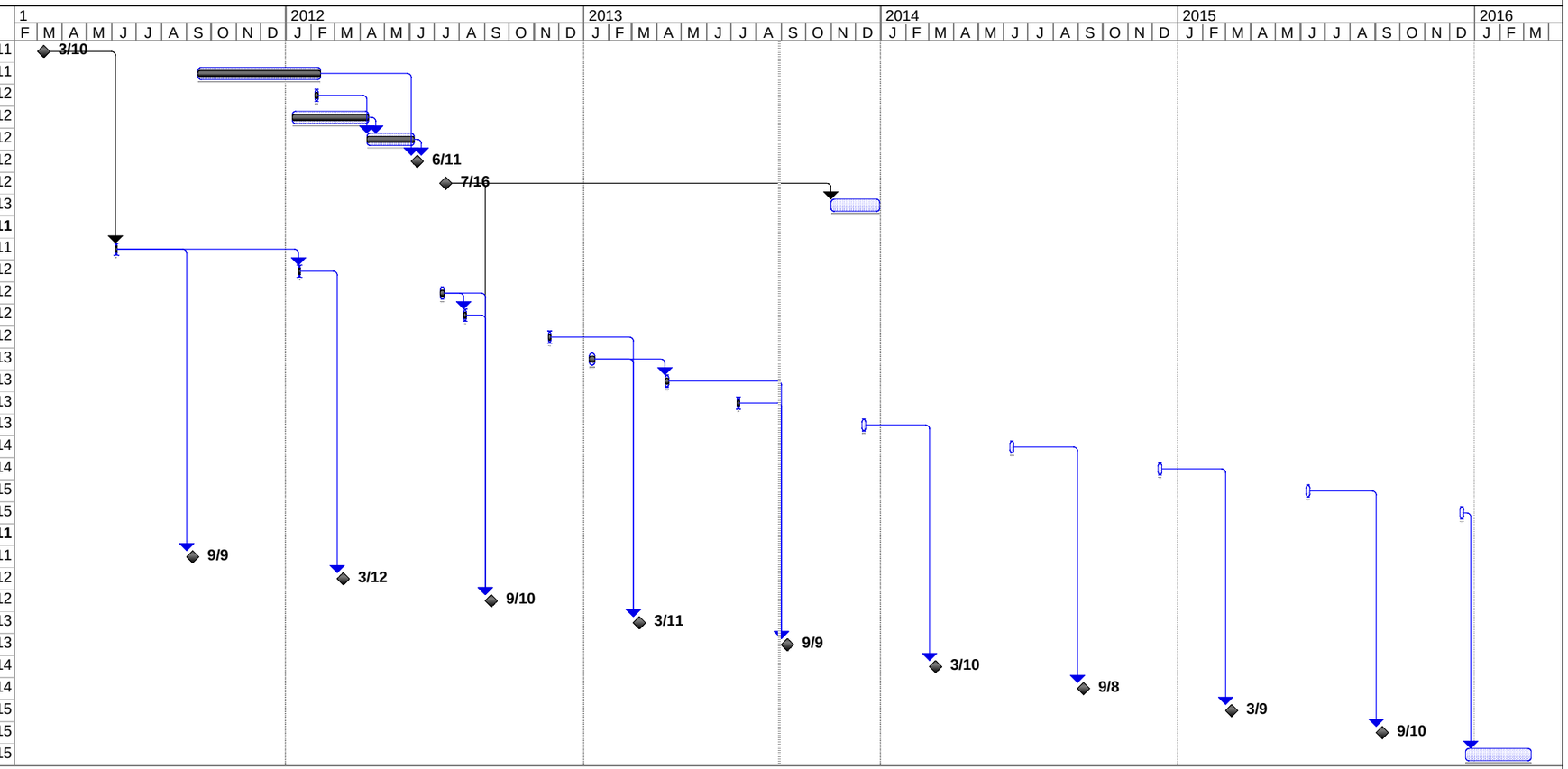


Figure 9: VC in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone
VC Concentration in ug/L
100000
10000
1000
100
10
1
0.1
<63 (01/2013)
44 (07/2012)
36 (01/2012)
24 J (1/2013)
21 (07/2013)
<20 (2011)
<9.1 (01/2013)
<10 (07/2013)
<10 (2011)
2.3 (07/2012)
2 (01/2012)
1.8 (07/2012)
1.9 (01/2012)
1.6 (07/2013)
<1 (2011)
<1 (2011, 2012, & 2013)
0
500
1000
1500
2000
Distance from Source (ft)
MODEL VC CONCENTRATIONS FOR YEAR 2012
MW-14 VC
MW-20 VC
MW-25 VC
MW-22 VC
VC MCL = 2 ug/L
Property Line

FIGURE 10 - UPDATED GANTT CHART SCHEDULE OF VRP ACTIVITIES

ID	Task Name	Start
1	EPD Approval of VRP Application	Thu 3/10/11
2	Obtain Wetlands Disturbance Permit/Mitigation Credits	Thu 9/15/11
3	Install ESCP Measures and Receive Materials	Mon 2/6/12
4	Obtain Land Disturbance Permit	Mon 1/9/12
5	Install Seep Control Measures	Tue 4/10/12
6	Submit Certificate of Completion to USACE	Mon 6/11/12
7	EPD Comment Ltr 7/16/12	Mon 7/16/12
8	Implement Uniform Environmental Covenant	Fri 11/1/13
9	**Semi-Annual Sampling Event**	**Mon 6/6/11**
10	Semi-Annual Sampling Event 1	Mon 6/6/11
11	Semi-Annual Sampling Event 2	Tue 1/17/12
12	Semi-Annual Sampling Event 3	Mon 7/9/12
13	Seep Confirmation Sampling Event	Tue 8/7/12
14	Quarterly Seep Sampling Event	Mon 11/19/12
15	Semi-Annual Sampling Event 4	Tue 1/8/13
16	Quarterly Seep Sampling Event	Thu 4/11/13
17	Semi-Annual Sampling Event 5	Tue 7/9/13
18	Semi-Annual Sampling Event 6	Mon 12/9/13
19	Semi-Annual Sampling Event 7	Mon 6/9/14
20	Semi-Annual Sampling Event 8	Mon 12/8/14
21	Semi-Annual Sampling Event 9	Mon 6/8/15
22	Semi-Annual Sampling Event 10	Mon 12/14/15
23	**Submit Semi-Annual Status Report**	**Fri 9/9/11**
24	Submit VRP Status Report #1 & Resp to Comments	Fri 9/9/11
25	Submit VRP Status Report 2	Mon 3/12/12
26	Submit VRP Status Report 3 & Resp to Comments	Mon 9/10/12
27	Submit VRP Status Report 4	Mon 3/11/13
28	Submit VRP Status Report 5	Mon 9/9/13
29	Submit VRP Status Report 6	Mon 3/10/14
30	Submit VRP Status Report 7	Mon 9/8/14
31	Submit VRP Status Report 8	Mon 3/9/15
32	Submit VRP Status Report 9	Thu 9/10/15
33	Preparation and Submittal of Post-Remediation CSR	Mon 12/21/15



Project: ThermoKing Voluntary Remec
Date: Thu 8/29/13

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

APPENDIX A

LABORATORY REPORTS AND FIELD SAMPLING FORMS FOR APRIL 2013 SEEP SAMPLING AND JULY 2013 GROUNDWATER, SEEP, SURFACE WATER SAMPLING EVENTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-23089-1
Client Project/Site: TK Louisville

For:
AMEC Environment & Infrastructure, Inc.
1075 Big Shanty Road, NW
Suite 100
Kennesaw, Georgia 30144

Attn: Ms. Rhonda Quinn

Patrick O'Meara

Authorized for release by:
4/25/2013 4:02:49 PM

Patrick O'Meara
Project Manager II
patrick.omeara@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Method Summary 5
Sample Summary 6
Detection Summary 7
Client Sample Results 8
Surrogate Summary 24
QC Sample Results 25
QC Association Summary 31
Lab Chronicle 32
Certification Summary 34
Chain of Custody 35

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-23089-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: TK Louisville

Report Number: 240-23089-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 04/12/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MANSON BRANCH #2 (240-23089-1), SEEP B (240-23089-2), SEEP G (240-23089-3), SEEP H (240-23089-4), SEEP I (240-23089-5), SEEP L (240-23089-6), SEEP 2 (240-23089-7) and TRIP BLANK (240-23089-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/18/2013.

Samples MANSON BRANCH #2 (240-23089-1)[5X], SEEP H (240-23089-4)[2.5X] and SEEP H (240-23089-4)[25X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOCs analyses. All quality control parameters were within the acceptance limits.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-23089-1	MANSON BRANCH #2	Water	04/11/13 12:44	04/12/13 08:00
240-23089-2	SEEP B	Water	04/11/13 13:45	04/12/13 08:00
240-23089-3	SEEP G	Water	04/11/13 13:20	04/12/13 08:00
240-23089-4	SEEP H	Water	04/11/13 13:00	04/12/13 08:00
240-23089-5	SEEP I	Water	04/11/13 13:58	04/12/13 08:00
240-23089-6	SEEP L	Water	04/11/13 14:30	04/12/13 08:00
240-23089-7	SEEP 2	Water	04/11/13 13:33	04/12/13 08:00
240-23089-8	TRIP BLANK	Water	04/11/13 00:00	04/12/13 08:00

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: MANSON BRANCH #2 — Lab Sample ID: 240-23089-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	3.8		1.0		ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	130		5.0		ug/L	5		8260B	Total/NA
1,1-Dichloroethane	8.7		1.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	14		1.0		ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	2.3		1.0		ug/L	1		8260B	Total/NA
Vinyl chloride	81		5.0		ug/L	5		8260B	Total/NA

Client Sample ID: SEEP B — Lab Sample ID: 240-23089-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	27		1.0		ug/L	1		8260B	Total/NA
Toluene	12		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	6.3		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SEEP G — Lab Sample ID: 240-23089-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.7		1.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.7		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	7.0		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SEEP H — Lab Sample ID: 240-23089-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	45		2.5		ug/L	2.5		8260B	Total/NA
1,1-Dichloroethene	77		2.5		ug/L	2.5		8260B	Total/NA
1,1,1-Trichloroethane	12		2.5		ug/L	2.5		8260B	Total/NA
Trichloroethene	530		25		ug/L	25		8260B	Total/NA

Client Sample ID: SEEP I — Lab Sample ID: 240-23089-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.2		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SEEP L — Lab Sample ID: 240-23089-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.6		1.0		ug/L	1		8260B	Total/NA
Vinyl chloride	2.1		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SEEP 2 — Lab Sample ID: 240-23089-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18		1.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	3.1		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	13		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-23089-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: MANSON BRANCH #2

Lab Sample ID: 240-23089-1

Date Collected: 04/11/13 12:44

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/18/13 22:54	1
Bromobenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
Bromochloromethane	<1.0		1.0		ug/L			04/18/13 22:54	1
Bromodichloromethane	<1.0		1.0		ug/L			04/18/13 22:54	1
Bromoform	<1.0		1.0		ug/L			04/18/13 22:54	1
Bromomethane	<1.0		1.0		ug/L			04/18/13 22:54	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/18/13 22:54	1
Chlorobenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/18/13 22:54	1
Chloroethane	**3.8**		1.0		ug/L			04/18/13 22:54	1
Chloroform	<1.0		1.0		ug/L			04/18/13 22:54	1
Chloromethane	<1.0		1.0		ug/L			04/18/13 22:54	1
2-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 22:54	1
4-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 22:54	1
cis-1,2-Dichloroethene	**130**		5.0		ug/L			04/18/13 15:50	5
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			04/18/13 22:54	1
1,2-Dibromoethane	<1.0		1.0		ug/L			04/18/13 22:54	1
Dibromomethane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,1-Dichloroethane	**8.7**		1.0		ug/L			04/18/13 22:54	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,1-Dichloroethene	**14**		1.0		ug/L			04/18/13 22:54	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,3-Dichloropropane	<1.0		1.0		ug/L			04/18/13 22:54	1
2,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,1-Dichloropropene	<1.0		1.0		ug/L			04/18/13 22:54	1
1,4-Dioxane	<50		50		ug/L			04/18/13 22:54	1
Ethylbenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
Hexachlorobutadiene	<1.0		1.0		ug/L			04/18/13 22:54	1
Isopropylbenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
Methylene Chloride	<1.0		1.0		ug/L			04/18/13 22:54	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			04/18/13 22:54	1
Naphthalene	<1.0		1.0		ug/L			04/18/13 22:54	1
n-Butylbenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
N-Propylbenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
o-Xylene	<1.0		1.0		ug/L			04/18/13 22:54	1
p-Isopropyltoluene	<1.0		1.0		ug/L			04/18/13 22:54	1
sec-Butylbenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
Styrene	<1.0		1.0		ug/L			04/18/13 22:54	1
tert-Butylbenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 22:54	1
Tetrachloroethene	<1.0		1.0		ug/L			04/18/13 22:54	1
Toluene	<1.0		1.0		ug/L			04/18/13 22:54	1
trans-1,2-Dichloroethene	**2.3**		1.0		ug/L			04/18/13 22:54	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 22:54	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: MANSON BRANCH #2
Date Collected: 04/11/13 12:44
Date Received: 04/12/13 08:00

Lab Sample ID: 240-23089-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/18/13 22:54	1
Trichloroethene	<1.0		1.0		ug/L			04/18/13 22:54	1
Trichlorofluoromethane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			04/18/13 22:54	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 22:54	1
Vinyl chloride	**81**		5.0		ug/L			04/18/13 15:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*04/18/13 15:50*	*5*
4-Bromofluorobenzene (Surr)	*84*		*66 - 117*		*04/18/13 22:54*	*1*
Dibromofluoromethane (Surr)	*90*		*75 - 121*		*04/18/13 15:50*	*5*
Dibromofluoromethane (Surr)	*98*		*75 - 121*		*04/18/13 22:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 129*		*04/18/13 15:50*	*5*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 129*		*04/18/13 22:54*	*1*
Toluene-d8 (Surr)	*89*		*74 - 115*		*04/18/13 15:50*	*5*
Toluene-d8 (Surr)	*91*		*74 - 115*		*04/18/13 22:54*	*1*

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP B

Lab Sample ID: 240-23089-2

Date Collected: 04/11/13 13:45

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/18/13 16:12	1
Bromobenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
Bromochloromethane	<1.0		1.0		ug/L			04/18/13 16:12	1
Bromodichloromethane	<1.0		1.0		ug/L			04/18/13 16:12	1
Bromoform	<1.0		1.0		ug/L			04/18/13 16:12	1
Bromomethane	<1.0		1.0		ug/L			04/18/13 16:12	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/18/13 16:12	1
Chlorobenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/18/13 16:12	1
Chloroethane	<1.0		1.0		ug/L			04/18/13 16:12	1
Chloroform	<1.0		1.0		ug/L			04/18/13 16:12	1
Chloromethane	<1.0		1.0		ug/L			04/18/13 16:12	1
2-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 16:12	1
4-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 16:12	1
cis-1,2-Dichloroethene	**27**		1.0		ug/L			04/18/13 16:12	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			04/18/13 16:12	1
1,2-Dibromoethane	<1.0		1.0		ug/L			04/18/13 16:12	1
Dibromomethane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/18/13 16:12	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,3-Dichloropropane	<1.0		1.0		ug/L			04/18/13 16:12	1
2,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,1-Dichloropropene	<1.0		1.0		ug/L			04/18/13 16:12	1
1,4-Dioxane	<50		50		ug/L			04/18/13 16:12	1
Ethylbenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
Hexachlorobutadiene	<1.0		1.0		ug/L			04/18/13 16:12	1
Isopropylbenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
Methylene Chloride	<1.0		1.0		ug/L			04/18/13 16:12	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			04/18/13 16:12	1
Naphthalene	<1.0		1.0		ug/L			04/18/13 16:12	1
n-Butylbenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
N-Propylbenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
o-Xylene	<1.0		1.0		ug/L			04/18/13 16:12	1
p-Isopropyltoluene	<1.0		1.0		ug/L			04/18/13 16:12	1
sec-Butylbenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
Styrene	<1.0		1.0		ug/L			04/18/13 16:12	1
tert-Butylbenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 16:12	1
Tetrachloroethene	<1.0		1.0		ug/L			04/18/13 16:12	1
Toluene	**12**		1.0		ug/L			04/18/13 16:12	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 16:12	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:12	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP B

Lab Sample ID: 240-23089-2

Date Collected: 04/11/13 13:45

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/18/13 16:12	1
Trichloroethene	**6.3**		1.0		ug/L			04/18/13 16:12	1
Trichlorofluoromethane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			04/18/13 16:12	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 16:12	1
Vinyl chloride	<1.0		1.0		ug/L			04/18/13 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*04/18/13 16:12*	*1*
Dibromofluoromethane (Surr)	*84*		*75 - 121*		*04/18/13 16:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 129*		*04/18/13 16:12*	*1*
Toluene-d8 (Surr)	*92*		*74 - 115*		*04/18/13 16:12*	*1*

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP G

Lab Sample ID: 240-23089-3

Date Collected: 04/11/13 13:20

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/18/13 16:34	1
Bromobenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
Bromochloromethane	<1.0		1.0		ug/L			04/18/13 16:34	1
Bromodichloromethane	<1.0		1.0		ug/L			04/18/13 16:34	1
Bromoform	<1.0		1.0		ug/L			04/18/13 16:34	1
Bromomethane	<1.0		1.0		ug/L			04/18/13 16:34	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/18/13 16:34	1
Chlorobenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/18/13 16:34	1
Chloroethane	<1.0		1.0		ug/L			04/18/13 16:34	1
Chloroform	<1.0		1.0		ug/L			04/18/13 16:34	1
Chloromethane	<1.0		1.0		ug/L			04/18/13 16:34	1
2-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 16:34	1
4-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 16:34	1
cis-1,2-Dichloroethene	**9.7**		1.0		ug/L			04/18/13 16:34	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			04/18/13 16:34	1
1,2-Dibromoethane	<1.0		1.0		ug/L			04/18/13 16:34	1
Dibromomethane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,1-Dichloroethene	**1.7**		1.0		ug/L			04/18/13 16:34	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,3-Dichloropropane	<1.0		1.0		ug/L			04/18/13 16:34	1
2,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,1-Dichloropropene	<1.0		1.0		ug/L			04/18/13 16:34	1
1,4-Dioxane	<50		50		ug/L			04/18/13 16:34	1
Ethylbenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
Hexachlorobutadiene	<1.0		1.0		ug/L			04/18/13 16:34	1
Isopropylbenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
Methylene Chloride	<1.0		1.0		ug/L			04/18/13 16:34	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			04/18/13 16:34	1
Naphthalene	<1.0		1.0		ug/L			04/18/13 16:34	1
n-Butylbenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
N-Propylbenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
o-Xylene	<1.0		1.0		ug/L			04/18/13 16:34	1
p-Isopropyltoluene	<1.0		1.0		ug/L			04/18/13 16:34	1
sec-Butylbenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
Styrene	<1.0		1.0		ug/L			04/18/13 16:34	1
tert-Butylbenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 16:34	1
Tetrachloroethene	<1.0		1.0		ug/L			04/18/13 16:34	1
Toluene	<1.0		1.0		ug/L			04/18/13 16:34	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 16:34	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:34	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP G

Lab Sample ID: 240-23089-3

Date Collected: 04/11/13 13:20

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/18/13 16:34	1
Trichloroethene	**7.0**		1.0		ug/L			04/18/13 16:34	1
Trichlorofluoromethane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			04/18/13 16:34	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 16:34	1
Vinyl chloride	<1.0		1.0		ug/L			04/18/13 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*66 - 117*		*04/18/13 16:34*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 121*		*04/18/13 16:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 129*		*04/18/13 16:34*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*04/18/13 16:34*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP H

Lab Sample ID: 240-23089-4

Date Collected: 04/11/13 13:00
Date Received: 04/12/13 08:00

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Bromobenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Bromochloromethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Bromodichloromethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Bromoform	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Bromomethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Carbon tetrachloride	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Chlorobenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Chlorodibromomethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Chloroethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Chloroform	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Chloromethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
2-Chlorotoluene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
4-Chlorotoluene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
cis-1,2-Dichloroethene	**45**		2.5		ug/L			04/18/13 23:16	2.5
1,2-Dibromo-3-Chloropropane	<5.0		5.0		ug/L			04/18/13 23:16	2.5
1,2-Dibromoethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Dibromomethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,2-Dichlorobenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,3-Dichlorobenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,4-Dichlorobenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Dichlorodifluoromethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,1-Dichloroethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,2-Dichloroethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,1-Dichloroethene	**77**		2.5		ug/L			04/18/13 23:16	2.5
1,2-Dichloropropane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,3-Dichloropropane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
2,2-Dichloropropane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,1-Dichloropropene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,4-Dioxane	<130		130		ug/L			04/18/13 23:16	2.5
Ethylbenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Hexachlorobutadiene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Isopropylbenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Methylene Chloride	<2.5		2.5		ug/L			04/18/13 23:16	2.5
m-Xylene & p-Xylene	<5.0		5.0		ug/L			04/18/13 23:16	2.5
Naphthalene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
n-Butylbenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
N-Propylbenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
o-Xylene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
p-Isopropyltoluene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
sec-Butylbenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Styrene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
tert-Butylbenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,1,1,2-Tetrachloroethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,1,2,2-Tetrachloroethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Tetrachloroethene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Toluene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
trans-1,2-Dichloroethene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,2,3-Trichlorobenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP H

Lab Sample ID: 240-23089-4

Date Collected: 04/11/13 13:00

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,1,1-Trichloroethane	**12**		2.5		ug/L			04/18/13 23:16	2.5
1,1,2-Trichloroethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Trichloroethene	**530**		25		ug/L			04/18/13 16:57	25
Trichlorofluoromethane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,2,3-Trichloropropane	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,2,4-Trimethylbenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
1,3,5-Trimethylbenzene	<2.5		2.5		ug/L			04/18/13 23:16	2.5
Vinyl chloride	<2.5		2.5		ug/L			04/18/13 23:16	2.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*66 - 117*		*04/18/13 16:57*	*25*
4-Bromofluorobenzene (Surr)	*84*		*66 - 117*		*04/18/13 23:16*	*2.5*
Dibromofluoromethane (Surr)	*95*		*75 - 121*		*04/18/13 16:57*	*25*
Dibromofluoromethane (Surr)	*100*		*75 - 121*		*04/18/13 23:16*	*2.5*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 129*		*04/18/13 16:57*	*25*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 129*		*04/18/13 23:16*	*2.5*
Toluene-d8 (Surr)	*93*		*74 - 115*		*04/18/13 16:57*	*25*
Toluene-d8 (Surr)	*96*		*74 - 115*		*04/18/13 23:16*	*2.5*

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP I

Lab Sample ID: 240-23089-5

Date Collected: 04/11/13 13:58
Date Received: 04/12/13 08:00

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/18/13 17:19	1
Bromobenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
Bromochloromethane	<1.0		1.0		ug/L			04/18/13 17:19	1
Bromodichloromethane	<1.0		1.0		ug/L			04/18/13 17:19	1
Bromoform	<1.0		1.0		ug/L			04/18/13 17:19	1
Bromomethane	<1.0		1.0		ug/L			04/18/13 17:19	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/18/13 17:19	1
Chlorobenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/18/13 17:19	1
Chloroethane	<1.0		1.0		ug/L			04/18/13 17:19	1
Chloroform	<1.0		1.0		ug/L			04/18/13 17:19	1
Chloromethane	<1.0		1.0		ug/L			04/18/13 17:19	1
2-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 17:19	1
4-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 17:19	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			04/18/13 17:19	1
1,2-Dibromoethane	<1.0		1.0		ug/L			04/18/13 17:19	1
Dibromomethane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,3-Dichloropropane	<1.0		1.0		ug/L			04/18/13 17:19	1
2,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,1-Dichloropropene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,4-Dioxane	<50		50		ug/L			04/18/13 17:19	1
Ethylbenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
Hexachlorobutadiene	<1.0		1.0		ug/L			04/18/13 17:19	1
Isopropylbenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
Methylene Chloride	<1.0		1.0		ug/L			04/18/13 17:19	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			04/18/13 17:19	1
Naphthalene	<1.0		1.0		ug/L			04/18/13 17:19	1
n-Butylbenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
N-Propylbenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
o-Xylene	<1.0		1.0		ug/L			04/18/13 17:19	1
p-Isopropyltoluene	<1.0		1.0		ug/L			04/18/13 17:19	1
sec-Butylbenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
Styrene	<1.0		1.0		ug/L			04/18/13 17:19	1
tert-Butylbenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 17:19	1
Tetrachloroethene	<1.0		1.0		ug/L			04/18/13 17:19	1
Toluene	<1.0		1.0		ug/L			04/18/13 17:19	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:19	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP I

Lab Sample ID: 240-23089-5

Date Collected: 04/11/13 13:58

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/18/13 17:19	1
Trichloroethene	**4.2**		1.0		ug/L			04/18/13 17:19	1
Trichlorofluoromethane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			04/18/13 17:19	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 17:19	1
Vinyl chloride	<1.0		1.0		ug/L			04/18/13 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*66 - 117*		*04/18/13 17:19*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 121*		*04/18/13 17:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 129*		*04/18/13 17:19*	*1*
Toluene-d8 (Surr)	*95*		*74 - 115*		*04/18/13 17:19*	*1*

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP L
Date Collected: 04/11/13 14:30
Date Received: 04/12/13 08:00

Lab Sample ID: 240-23089-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/18/13 17:41	1
Bromobenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
Bromochloromethane	<1.0		1.0		ug/L			04/18/13 17:41	1
Bromodichloromethane	<1.0		1.0		ug/L			04/18/13 17:41	1
Bromoform	<1.0		1.0		ug/L			04/18/13 17:41	1
Bromomethane	<1.0		1.0		ug/L			04/18/13 17:41	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/18/13 17:41	1
Chlorobenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/18/13 17:41	1
Chloroethane	<1.0		1.0		ug/L			04/18/13 17:41	1
Chloroform	<1.0		1.0		ug/L			04/18/13 17:41	1
Chloromethane	<1.0		1.0		ug/L			04/18/13 17:41	1
2-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 17:41	1
4-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 17:41	1
cis-1,2-Dichloroethene	**4.6**		1.0		ug/L			04/18/13 17:41	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			04/18/13 17:41	1
1,2-Dibromoethane	<1.0		1.0		ug/L			04/18/13 17:41	1
Dibromomethane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/18/13 17:41	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,3-Dichloropropane	<1.0		1.0		ug/L			04/18/13 17:41	1
2,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,1-Dichloropropene	<1.0		1.0		ug/L			04/18/13 17:41	1
1,4-Dioxane	<50		50		ug/L			04/18/13 17:41	1
Ethylbenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
Hexachlorobutadiene	<1.0		1.0		ug/L			04/18/13 17:41	1
Isopropylbenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
Methylene Chloride	<1.0		1.0		ug/L			04/18/13 17:41	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			04/18/13 17:41	1
Naphthalene	<1.0		1.0		ug/L			04/18/13 17:41	1
n-Butylbenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
N-Propylbenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
o-Xylene	<1.0		1.0		ug/L			04/18/13 17:41	1
p-Isopropyltoluene	<1.0		1.0		ug/L			04/18/13 17:41	1
sec-Butylbenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
Styrene	<1.0		1.0		ug/L			04/18/13 17:41	1
tert-Butylbenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 17:41	1
Tetrachloroethene	<1.0		1.0		ug/L			04/18/13 17:41	1
Toluene	<1.0		1.0		ug/L			04/18/13 17:41	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 17:41	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:41	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP L

Lab Sample ID: 240-23089-6

Date Collected: 04/11/13 14:30

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/18/13 17:41	1
Trichloroethene	<1.0		1.0		ug/L			04/18/13 17:41	1
Trichlorofluoromethane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			04/18/13 17:41	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 17:41	1
Vinyl chloride	**2.1**		1.0		ug/L			04/18/13 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*04/18/13 17:41*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 121*		*04/18/13 17:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*63 - 129*		*04/18/13 17:41*	*1*
Toluene-d8 (Surr)	*93*		*74 - 115*		*04/18/13 17:41*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP 2

Lab Sample ID: 240-23089-7

Date Collected: 04/11/13 13:33
Matrix: Water
Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/18/13 18:04	1
Bromobenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
Bromochloromethane	<1.0		1.0		ug/L			04/18/13 18:04	1
Bromodichloromethane	<1.0		1.0		ug/L			04/18/13 18:04	1
Bromoform	<1.0		1.0		ug/L			04/18/13 18:04	1
Bromomethane	<1.0		1.0		ug/L			04/18/13 18:04	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/18/13 18:04	1
Chlorobenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/18/13 18:04	1
Chloroethane	<1.0		1.0		ug/L			04/18/13 18:04	1
Chloroform	<1.0		1.0		ug/L			04/18/13 18:04	1
Chloromethane	<1.0		1.0		ug/L			04/18/13 18:04	1
2-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 18:04	1
4-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 18:04	1
cis-1,2-Dichloroethene	**18**		1.0		ug/L			04/18/13 18:04	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			04/18/13 18:04	1
1,2-Dibromoethane	<1.0		1.0		ug/L			04/18/13 18:04	1
Dibromomethane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,1-Dichloroethene	**3.1**		1.0		ug/L			04/18/13 18:04	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,3-Dichloropropane	<1.0		1.0		ug/L			04/18/13 18:04	1
2,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,1-Dichloropropene	<1.0		1.0		ug/L			04/18/13 18:04	1
1,4-Dioxane	<50		50		ug/L			04/18/13 18:04	1
Ethylbenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
Hexachlorobutadiene	<1.0		1.0		ug/L			04/18/13 18:04	1
Isopropylbenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
Methylene Chloride	<1.0		1.0		ug/L			04/18/13 18:04	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			04/18/13 18:04	1
Naphthalene	<1.0		1.0		ug/L			04/18/13 18:04	1
n-Butylbenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
N-Propylbenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
o-Xylene	<1.0		1.0		ug/L			04/18/13 18:04	1
p-Isopropyltoluene	<1.0		1.0		ug/L			04/18/13 18:04	1
sec-Butylbenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
Styrene	<1.0		1.0		ug/L			04/18/13 18:04	1
tert-Butylbenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 18:04	1
Tetrachloroethene	<1.0		1.0		ug/L			04/18/13 18:04	1
Toluene	<1.0		1.0		ug/L			04/18/13 18:04	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 18:04	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:04	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP 2

Lab Sample ID: 240-23089-7

Date Collected: 04/11/13 13:33

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/18/13 18:04	1
Trichloroethene	**13**		1.0		ug/L			04/18/13 18:04	1
Trichlorofluoromethane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			04/18/13 18:04	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 18:04	1
Vinyl chloride	<1.0		1.0		ug/L			04/18/13 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*04/18/13 18:04*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 121*		*04/18/13 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*63 - 129*		*04/18/13 18:04*	*1*
Toluene-d8 (Surr)	*90*		*74 - 115*		*04/18/13 18:04*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-23089-8

Date Collected: 04/11/13 00:00

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/18/13 18:26	1
Bromobenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
Bromochloromethane	<1.0		1.0		ug/L			04/18/13 18:26	1
Bromodichloromethane	<1.0		1.0		ug/L			04/18/13 18:26	1
Bromoform	<1.0		1.0		ug/L			04/18/13 18:26	1
Bromomethane	<1.0		1.0		ug/L			04/18/13 18:26	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/18/13 18:26	1
Chlorobenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/18/13 18:26	1
Chloroethane	<1.0		1.0		ug/L			04/18/13 18:26	1
Chloroform	<1.0		1.0		ug/L			04/18/13 18:26	1
Chloromethane	<1.0		1.0		ug/L			04/18/13 18:26	1
2-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 18:26	1
4-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 18:26	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			04/18/13 18:26	1
1,2-Dibromoethane	<1.0		1.0		ug/L			04/18/13 18:26	1
Dibromomethane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,3-Dichloropropane	<1.0		1.0		ug/L			04/18/13 18:26	1
2,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,1-Dichloropropene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,4-Dioxane	<50		50		ug/L			04/18/13 18:26	1
Ethylbenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
Hexachlorobutadiene	<1.0		1.0		ug/L			04/18/13 18:26	1
Isopropylbenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
Methylene Chloride	<1.0		1.0		ug/L			04/18/13 18:26	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			04/18/13 18:26	1
Naphthalene	<1.0		1.0		ug/L			04/18/13 18:26	1
n-Butylbenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
N-Propylbenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
o-Xylene	<1.0		1.0		ug/L			04/18/13 18:26	1
p-Isopropyltoluene	<1.0		1.0		ug/L			04/18/13 18:26	1
sec-Butylbenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
Styrene	<1.0		1.0		ug/L			04/18/13 18:26	1
tert-Butylbenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 18:26	1
Tetrachloroethene	<1.0		1.0		ug/L			04/18/13 18:26	1
Toluene	<1.0		1.0		ug/L			04/18/13 18:26	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:26	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-23089-8

Date Collected: 04/11/13 00:00

Matrix: Water

Date Received: 04/12/13 08:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/18/13 18:26	1
Trichloroethene	<1.0		1.0		ug/L			04/18/13 18:26	1
Trichlorofluoromethane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			04/18/13 18:26	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 18:26	1
Vinyl chloride	<1.0		1.0		ug/L			04/18/13 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*04/18/13 18:26*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 121*		*04/18/13 18:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*		*04/18/13 18:26*	*1*
Toluene-d8 (Surr)	*89*		*74 - 115*		*04/18/13 18:26*	*1*

Surrogate Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(66-117)	(75-121)	(63-129)	(74-115)
240-23089-1	MANSON BRANCH #2	84	98	100	91
240-23089-1	MANSON BRANCH #2	82	90	104	89
240-23089-2	SEEP B	79	84	101	92
240-23089-3	SEEP G	87	88	104	93
240-23089-4	SEEP H	88	95	108	93
240-23089-4	SEEP H	84	100	103	96
240-23089-4 MS	SEEP H	109	98	94	98
240-23089-4 MSD	SEEP H	101	95	90	97
240-23089-5	SEEP I	87	96	108	95
240-23089-6	SEEP L	85	97	114	93
240-23089-7	SEEP 2	82	97	111	90
240-23089-8	TRIP BLANK	83	95	107	89
LCS 240-82515/4	Lab Control Sample	95	92	96	102
MB 240-82515/5	Method Blank	79	85	97	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-82515/5
Matrix: Water
Analysis Batch: 82515

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			04/18/13 13:58	1
Bromobenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
Bromochloromethane	<1.0		1.0		ug/L			04/18/13 13:58	1
Bromodichloromethane	<1.0		1.0		ug/L			04/18/13 13:58	1
Bromoform	<1.0		1.0		ug/L			04/18/13 13:58	1
Bromomethane	<1.0		1.0		ug/L			04/18/13 13:58	1
Carbon tetrachloride	<1.0		1.0		ug/L			04/18/13 13:58	1
Chlorobenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
Chlorodibromomethane	<1.0		1.0		ug/L			04/18/13 13:58	1
Chloroethane	<1.0		1.0		ug/L			04/18/13 13:58	1
Chloroform	<1.0		1.0		ug/L			04/18/13 13:58	1
Chloromethane	<1.0		1.0		ug/L			04/18/13 13:58	1
2-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 13:58	1
4-Chlorotoluene	<1.0		1.0		ug/L			04/18/13 13:58	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			04/18/13 13:58	1
1,2-Dibromoethane	<1.0		1.0		ug/L			04/18/13 13:58	1
Dibromomethane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,1-Dichloroethane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,2-Dichloroethane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,1-Dichloroethene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,3-Dichloropropane	<1.0		1.0		ug/L			04/18/13 13:58	1
2,2-Dichloropropane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,1-Dichloropropene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,4-Dioxane	<50		50		ug/L			04/18/13 13:58	1
Ethylbenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
Hexachlorobutadiene	<1.0		1.0		ug/L			04/18/13 13:58	1
Isopropylbenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
Methylene Chloride	<1.0		1.0		ug/L			04/18/13 13:58	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			04/18/13 13:58	1
Naphthalene	<1.0		1.0		ug/L			04/18/13 13:58	1
n-Butylbenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
N-Propylbenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
o-Xylene	<1.0		1.0		ug/L			04/18/13 13:58	1
p-Isopropyltoluene	<1.0		1.0		ug/L			04/18/13 13:58	1
sec-Butylbenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
Styrene	<1.0		1.0		ug/L			04/18/13 13:58	1
tert-Butylbenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			04/18/13 13:58	1
Tetrachloroethene	<1.0		1.0		ug/L			04/18/13 13:58	1
Toluene	<1.0		1.0		ug/L			04/18/13 13:58	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			04/18/13 13:58	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-82515/5
Matrix: Water
Analysis Batch: 82515

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			04/18/13 13:58	1
Trichloroethene	<1.0		1.0		ug/L			04/18/13 13:58	1
Trichlorofluoromethane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			04/18/13 13:58	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			04/18/13 13:58	1
Vinyl chloride	<1.0		1.0		ug/L			04/18/13 13:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*04/18/13 13:58*	*1*
Dibromofluoromethane (Surr)	*85*		*75 - 121*		*04/18/13 13:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 129*		*04/18/13 13:58*	*1*
Toluene-d8 (Surr)	*97*		*74 - 115*		*04/18/13 13:58*	*1*

Lab Sample ID: LCS 240-82515/4
Matrix: Water
Analysis Batch: 82515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.92		ug/L		99	83 - 112
Bromobenzene	10.0	9.83		ug/L		98	76 - 115
Bromochloromethane	10.0	9.41		ug/L		94	77 - 120
Bromodichloromethane	10.0	10.1		ug/L		101	72 - 121
Bromoform	10.0	8.41		ug/L		84	40 - 131
Bromomethane	10.0	5.44		ug/L		54	11 - 185
Carbon tetrachloride	10.0	9.56		ug/L		96	66 - 128
Chlorobenzene	10.0	9.79		ug/L		98	85 - 110
Chlorodibromomethane	10.0	9.04		ug/L		90	64 - 119
Chloroethane	10.0	6.20		ug/L		62	25 - 153
Chloroform	10.0	9.71		ug/L		97	79 - 117
Chloromethane	10.0	7.70		ug/L		77	44 - 126
2-Chlorotoluene	10.0	10.4		ug/L		104	76 - 116
4-Chlorotoluene	10.0	10.3		ug/L		103	77 - 115
cis-1,2-Dichloroethene	10.0	9.36		ug/L		94	80 - 113
1,2-Dibromo-3-Chloropropane	10.0	9.62		ug/L		96	42 - 136
1,2-Dibromoethane	10.0	10.5		ug/L		105	79 - 113
Dibromomethane	10.0	9.92		ug/L		99	81 - 120
1,2-Dichlorobenzene	10.0	9.28		ug/L		93	81 - 110
1,3-Dichlorobenzene	10.0	9.52		ug/L		95	80 - 110
1,4-Dichlorobenzene	10.0	9.20		ug/L		92	82 - 110
Dichlorodifluoromethane	10.0	7.28		ug/L		73	19 - 129
1,1-Dichloroethane	10.0	10.1		ug/L		101	82 - 115
1,2-Dichloroethane	10.0	10.3		ug/L		103	71 - 127
1,1-Dichloroethene	10.0	11.1		ug/L		111	78 - 131
1,2-Dichloropropane	10.0	10.0		ug/L		100	81 - 115

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-82515/4
Matrix: Water
Analysis Batch: 82515

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	10.0	10.8		ug/L		108	79 - 116
2,2-Dichloropropane	10.0	8.53		ug/L		85	50 - 129
1,1-Dichloropropene	10.0	10.3		ug/L		103	83 - 114
Ethylbenzene	10.0	10.0		ug/L		100	83 - 112
Hexachlorobutadiene	10.0	5.88		ug/L		59	36 - 134
Isopropylbenzene	10.0	9.61		ug/L		96	75 - 114
Methylene Chloride	10.0	9.37		ug/L		94	66 - 131
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	83 - 113
Naphthalene	10.0	6.47		ug/L		65	32 - 141
n-Butylbenzene	10.0	9.40		ug/L		94	66 - 125
N-Propylbenzene	10.0	10.6		ug/L		106	74 - 121
o-Xylene	10.0	10.0		ug/L		100	83 - 113
p-Isopropyltoluene	10.0	10.1		ug/L		101	74 - 120
sec-Butylbenzene	10.0	9.92		ug/L		99	70 - 117
Styrene	10.0	9.53		ug/L		95	79 - 114
tert-Butylbenzene	10.0	10.2		ug/L		102	71 - 115
1,1,1,2-Tetrachloroethane	10.0	10.4		ug/L		104	72 - 116
1,1,2,2-Tetrachloroethane	10.0	10.7		ug/L		107	68 - 118
Tetrachloroethene	10.0	10.1		ug/L		101	79 - 114
Toluene	10.0	10.7		ug/L		107	84 - 111
trans-1,2-Dichloroethene	10.0	9.51		ug/L		95	83 - 117
1,2,3-Trichlorobenzene	10.0	6.33		ug/L		63	54 - 126
1,2,4-Trichlorobenzene	10.0	6.49		ug/L		65	48 - 135
1,1,1-Trichloroethane	10.0	9.16		ug/L		92	74 - 118
1,1,2-Trichloroethane	10.0	10.2		ug/L		102	80 - 112
Trichloroethene	10.0	9.42		ug/L		94	76 - 117
Trichlorofluoromethane	10.0	8.84		ug/L		88	49 - 157
1,2,3-Trichloropropane	10.0	10.4		ug/L		104	73 - 129
1,2,4-Trimethylbenzene	10.0	10.4		ug/L		104	76 - 120
1,3,5-Trimethylbenzene	10.0	10.8		ug/L		108	72 - 118
Vinyl chloride	10.0	8.45		ug/L		84	53 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*66 - 117*
Dibromofluoromethane (Surr)	*92*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*
Toluene-d8 (Surr)	*102*		*74 - 115*

Lab Sample ID: 240-23089-4 MS
Matrix: Water
Analysis Batch: 82515

Client Sample ID: SEEP H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<25		250	256		ug/L		102	72 - 121
Bromobenzene	<25		250	229		ug/L		92	71 - 116
Bromochloromethane	<25		250	244		ug/L		98	73 - 121
Bromodichloromethane	<25		250	283		ug/L		113	67 - 120
Bromoform	<25		250	254		ug/L		102	32 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-23089-4 MS
Matrix: Water
Analysis Batch: 82515

Client Sample ID: SEEP H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	<25		250	174		ug/L		70	10 - 186
Carbon tetrachloride	<25		250	246		ug/L		98	59 - 129
Chlorobenzene	<25		250	243		ug/L		97	80 - 110
Chlorodibromomethane	<25		250	237		ug/L		95	56 - 118
Chloroethane	<25		250	254		ug/L		102	21 - 165
Chloroform	<25		250	263		ug/L		105	76 - 118
Chloromethane	<25		250	224		ug/L		89	33 - 132
2-Chlorotoluene	<25		250	231		ug/L		93	69 - 117
4-Chlorotoluene	<25		250	235		ug/L		94	71 - 116
cis-1,2-Dichloroethene	45		250	292		ug/L		99	70 - 120
1,2-Dibromo-3-Chloropropane	<50		250	229		ug/L		91	32 - 139
1,2-Dibromoethane	<25		250	249		ug/L		99	74 - 113
Dibromomethane	<25		250	262		ug/L		105	77 - 121
1,2-Dichlorobenzene	<25		250	237		ug/L		95	75 - 111
1,3-Dichlorobenzene	<25		250	236		ug/L		94	73 - 110
1,4-Dichlorobenzene	<25		250	224		ug/L		89	75 - 110
Dichlorodifluoromethane	<25		250	171		ug/L		68	17 - 128
1,1-Dichloroethane	<25		250	276		ug/L		110	79 - 116
1,2-Dichloroethane	<25		250	246		ug/L		98	68 - 129
1,1-Dichloroethene	110		250	375		ug/L		106	74 - 135
1,2-Dichloropropane	<25		250	260		ug/L		104	78 - 115
1,3-Dichloropropane	<25		250	231		ug/L		92	74 - 118
2,2-Dichloropropane	<25		250	234		ug/L		94	38 - 127
1,1-Dichloropropene	<25		250	251		ug/L		101	80 - 114
Ethylbenzene	<25		250	257		ug/L		103	75 - 116
Hexachlorobutadiene	<25		250	188		ug/L		75	27 - 132
Isopropylbenzene	<25		250	258		ug/L		103	68 - 116
Methylene Chloride	<25		250	272		ug/L		109	63 - 128
m-Xylene & p-Xylene	<50		500	526		ug/L		105	75 - 117
Naphthalene	<25		250	175		ug/L		70	15 - 158
n-Butylbenzene	<25		250	245		ug/L		98	56 - 127
N-Propylbenzene	<25		250	244		ug/L		97	64 - 124
o-Xylene	<25		250	265		ug/L		106	76 - 116
p-Isopropyltoluene	<25		250	256		ug/L		102	64 - 122
sec-Butylbenzene	<25		250	240		ug/L		96	60 - 119
Styrene	<25		250	249		ug/L		99	71 - 117
tert-Butylbenzene	<25		250	242		ug/L		97	61 - 119
1,1,1,2-Tetrachloroethane	<25		250	274		ug/L		110	64 - 118
1,1,2,2-Tetrachloroethane	<25		250	232		ug/L		93	63 - 122
Tetrachloroethene	<25		250	240		ug/L		96	70 - 117
Toluene	<25		250	255		ug/L		102	78 - 114
trans-1,2-Dichloroethene	<25		250	256		ug/L		102	80 - 119
1,2,3-Trichlorobenzene	<25		250	200		ug/L		80	45 - 129
1,2,4-Trichlorobenzene	<25		250	192		ug/L		77	38 - 138
1,1,1-Trichloroethane	<25		250	277		ug/L		106	68 - 121
1,1,2-Trichloroethane	<25		250	259		ug/L		104	75 - 115
Trichloroethene	530		250	707		ug/L		72	66 - 120
Trichlorofluoromethane	<25		250	202		ug/L		81	46 - 157

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-23089-4 MS
Matrix: Water
Analysis Batch: 82515

Client Sample ID: SEEP H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	<25		250	242		ug/L		97	67 - 132
1,2,4-Trimethylbenzene	<25		250	254		ug/L		102	67 - 124
1,3,5-Trimethylbenzene	<25		250	251		ug/L		100	63 - 121
Vinyl chloride	<25		250	220		ug/L		88	49 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*66 - 117*
Dibromofluoromethane (Surr)	*98*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*
Toluene-d8 (Surr)	*98*		*74 - 115*

Lab Sample ID: 240-23089-4 MSD
Matrix: Water
Analysis Batch: 82515

Client Sample ID: SEEP H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<25		250	244		ug/L		97	72 - 121	5	30
Bromobenzene	<25		250	224		ug/L		90	71 - 116	2	30
Bromochloromethane	<25		250	221		ug/L		89	73 - 121	10	30
Bromodichloromethane	<25		250	277		ug/L		111	67 - 120	2	30
Bromoform	<25		250	228		ug/L		91	32 - 128	11	30
Bromomethane	<25		250	163		ug/L		65	10 - 186	6	30
Carbon tetrachloride	<25		250	236		ug/L		94	59 - 129	4	30
Chlorobenzene	<25		250	239		ug/L		95	80 - 110	2	30
Chlorodibromomethane	<25		250	230		ug/L		92	56 - 118	3	30
Chloroethane	<25		250	236		ug/L		94	21 - 165	8	30
Chloroform	<25		250	252		ug/L		101	76 - 118	4	30
Chloromethane	<25		250	205		ug/L		82	33 - 132	9	30
2-Chlorotoluene	<25		250	232		ug/L		93	69 - 117	0	30
4-Chlorotoluene	<25		250	235		ug/L		94	71 - 116	0	30
cis-1,2-Dichloroethene	45		250	277		ug/L		93	70 - 120	5	30
1,2-Dibromo-3-Chloropropane	<50		250	235		ug/L		94	32 - 139	3	30
1,2-Dibromoethane	<25		250	249		ug/L		100	74 - 113	0	30
Dibromomethane	<25		250	250		ug/L		100	77 - 121	5	30
1,2-Dichlorobenzene	<25		250	233		ug/L		93	75 - 111	2	30
1,3-Dichlorobenzene	<25		250	234		ug/L		93	73 - 110	1	30
1,4-Dichlorobenzene	<25		250	226		ug/L		90	75 - 110	1	30
Dichlorodifluoromethane	<25		250	159		ug/L		63	17 - 128	8	30
1,1-Dichloroethane	<25		250	264		ug/L		106	79 - 116	4	30
1,2-Dichloroethane	<25		250	237		ug/L		95	68 - 129	3	30
1,1-Dichloroethene	110		250	403		ug/L		117	74 - 135	7	30
1,2-Dichloropropane	<25		250	250		ug/L		100	78 - 115	4	30
1,3-Dichloropropane	<25		250	249		ug/L		99	74 - 118	7	30
2,2-Dichloropropane	<25		250	224		ug/L		90	38 - 127	4	30
1,1-Dichloropropene	<25		250	240		ug/L		96	80 - 114	4	30
Ethylbenzene	<25		250	248		ug/L		99	75 - 116	4	30
Hexachlorobutadiene	<25		250	196		ug/L		79	27 - 132	4	30
Isopropylbenzene	<25		250	249		ug/L		100	68 - 116	3	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-23089-4 MSD
Matrix: Water
Analysis Batch: 82515

Client Sample ID: SEEP H
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	<25		250	243		ug/L		97	63 - 128	11	30
m-Xylene & p-Xylene	<50		500	523		ug/L		105	75 - 117	1	30
Naphthalene	<25		250	176		ug/L		70	15 - 158	1	30
n-Butylbenzene	<25		250	244		ug/L		97	56 - 127	1	30
N-Propylbenzene	<25		250	237		ug/L		95	64 - 124	3	30
o-Xylene	<25		250	258		ug/L		103	76 - 116	2	30
p-Isopropyltoluene	<25		250	246		ug/L		99	64 - 122	4	30
sec-Butylbenzene	<25		250	244		ug/L		97	60 - 119	1	30
Styrene	<25		250	241		ug/L		96	71 - 117	3	30
tert-Butylbenzene	<25		250	238		ug/L		95	61 - 119	1	30
1,1,1,2-Tetrachloroethane	<25		250	264		ug/L		106	64 - 118	4	30
1,1,2,2-Tetrachloroethane	<25		250	236		ug/L		95	63 - 122	2	30
Tetrachloroethene	<25		250	234		ug/L		93	70 - 117	3	30
Toluene	<25		250	250		ug/L		100	78 - 114	2	30
trans-1,2-Dichloroethene	<25		250	246		ug/L		99	80 - 119	4	30
1,2,3-Trichlorobenzene	<25		250	202		ug/L		81	45 - 129	1	30
1,2,4-Trichlorobenzene	<25		250	192		ug/L		77	38 - 138	0	30
1,1,1-Trichloroethane	<25		250	257		ug/L		97	68 - 121	8	30
1,1,2-Trichloroethane	<25		250	237		ug/L		95	75 - 115	9	30
Trichloroethene	530		250	710		ug/L		74	66 - 120	0	30
Trichlorofluoromethane	<25		250	192		ug/L		77	46 - 157	5	30
1,2,3-Trichloropropane	<25		250	216		ug/L		87	67 - 132	11	30
1,2,4-Trimethylbenzene	<25		250	247		ug/L		99	67 - 124	3	30
1,3,5-Trimethylbenzene	<25		250	247		ug/L		99	63 - 121	2	30
Vinyl chloride	<25		250	205		ug/L		82	49 - 130	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*66 - 117*
Dibromofluoromethane (Surr)	*95*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 129*
Toluene-d8 (Surr)	*97*		*74 - 115*

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

GC/MS VOA

Analysis Batch: 82515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-23089-1	MANSON BRANCH #2	Total/NA	Water	8260B	
240-23089-1	MANSON BRANCH #2	Total/NA	Water	8260B	
240-23089-2	SEEP B	Total/NA	Water	8260B	
240-23089-3	SEEP G	Total/NA	Water	8260B	
240-23089-4	SEEP H	Total/NA	Water	8260B	
240-23089-4	SEEP H	Total/NA	Water	8260B	
240-23089-4 MS	SEEP H	Total/NA	Water	8260B	
240-23089-4 MSD	SEEP H	Total/NA	Water	8260B	
240-23089-5	SEEP I	Total/NA	Water	8260B	
240-23089-6	SEEP L	Total/NA	Water	8260B	
240-23089-7	SEEP 2	Total/NA	Water	8260B	
240-23089-8	TRIP BLANK	Total/NA	Water	8260B	
LCS 240-82515/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-82515/5	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: MANSON BRANCH #2 — Lab Sample ID: 240-23089-1

Date Collected: 04/11/13 12:44 — **Matrix: Water**
Date Received: 04/12/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	82515	04/18/13 22:54	LE	TAL CAN
Total/NA	Analysis	8260B		5	82515	04/18/13 15:50	LE	TAL CAN

Client Sample ID: SEEP B — Lab Sample ID: 240-23089-2

Date Collected: 04/11/13 13:45 — **Matrix: Water**
Date Received: 04/12/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	82515	04/18/13 16:12	LE	TAL CAN

Client Sample ID: SEEP G — Lab Sample ID: 240-23089-3

Date Collected: 04/11/13 13:20 — **Matrix: Water**
Date Received: 04/12/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	82515	04/18/13 16:34	LE	TAL CAN

Client Sample ID: SEEP H — Lab Sample ID: 240-23089-4

Date Collected: 04/11/13 13:00 — **Matrix: Water**
Date Received: 04/12/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		25	82515	04/18/13 16:57	LE	TAL CAN
Total/NA	Analysis	8260B		2.5	82515	04/18/13 23:16	LE	TAL CAN

Client Sample ID: SEEP I — Lab Sample ID: 240-23089-5

Date Collected: 04/11/13 13:58 — **Matrix: Water**
Date Received: 04/12/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	82515	04/18/13 17:19	LE	TAL CAN

Client Sample ID: SEEP L — Lab Sample ID: 240-23089-6

Date Collected: 04/11/13 14:30 — **Matrix: Water**
Date Received: 04/12/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	82515	04/18/13 17:41	LE	TAL CAN

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Client Sample ID: SEEP 2

Lab Sample ID: 240-23089-7

Date Collected: 04/11/13 13:33
Matrix: Water
Date Received: 04/12/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	82515	04/18/13 18:04	LE	TAL CAN

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-23089-8

Date Collected: 04/11/13 00:00
Matrix: Water
Date Received: 04/12/13 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	82515	04/18/13 18:26	LE	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK Louisville

TestAmerica Job ID: 240-23089-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

TestAmerica Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Rhonda Quinn	Site Contact:	Date:4/11/13	COC No:
Amec E&I	Tel/Fax: 770-421-3400	Lab Contact:	Carrier:Fed Ex	1 of 1 COCs
1075 Big Shanty Road, #100	Analysis Turnaround Time			For Lab Use Only:
Kennesaw, Ga, 30144	Calendar (C) or Work Days (W) _____			Walk-in Client:
770-421-3400	TAT if different from Below _____			Lab Sampling:
(xxx) xxx-xxxx FAX	☑ 2 weeks			
Project Name:TK Louisville	☐ 1 week			Job / SDG No.:
Site: TK Louisville	☐ 2 days			
P O #	☐ 1 day			Sampler:Ever Guillen

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y / N)	Composite = C / Grab = G	site specific VOCs including 1,4-d	Sample Specific Notes:
Manson Branch # 2	4/11/2013	12:44		GW		N	G	X	
Seep B	4/11/2013	13:45		GW		N	G	X	
Seep G	4/11/2013	13:20		GW		N	G	X	
Seep H	4/11/2013	13:00		GW		N	G	X	
Seep I	4/11/2013	13:58		GW		N	G	X	
Seep L	4/11/2013	14:30		GW		N	G	X	
Seep 2	4/11/2013	13:33		GW		N	G	X	
Trip				W		N	G	X	

240-23089 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AMEC	4/11/13 2020	[signature]	TA	4-12-13 800
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 23089

Client Amec E&I Site Name _____ By: [signature]

Cooler Received on 4-12-13 Opened on 4-12-13 (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF 0°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 4G (CF +1°C)	Observed Sample Temp. 0.8 °C	Corrected Sample Temp. 1.8 °C	☐ Multiple on Back
IR GUN# 5G (CF +1 °C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	
IR GUN# 8 (CF +1°C)	Observed Sample Temp. ____ °C	Corrected Sample Temp. ____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 0 Yes No
   - -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   - -Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) ______________________________ were further preserved in Sample Receiving to meet recommended pH level(s).

Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH.

What time was preservative added to sample(s)? ____________________

Client ID	pH	Date	Initials
	pH Strip Lot# HC256691		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-26814-1
Client Project/Site: TK LOUISVILLE, LOUISVILLE, GA

For:
AMEC Environment & Infrastructure, Inc.
1075 Big Shanty Road, NW
Suite 100
Kennesaw, Georgia 30144

Attn: Ms. Rhonda Quinn

Patrick O'Meara

Authorized for release by:
7/29/2013 10:20:03 AM

Patrick O'Meara, Project Manager II
patrick.omeara@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Method Summary 6
Sample Summary 7
Detection Summary 8
Client Sample Results 11
Surrogate Summary 59
QC Sample Results 61
QC Association Summary 74
Lab Chronicle 76
Certification Summary 81
Chain of Custody 82

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
E	Result exceeded calibration range.
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-26814-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc.

Project: TK LOUISVILLE, LOUISVILLE, GA

Report Number: 240-26814-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 07/12/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.2 C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples TB-070913 (240-26814-1), MW-5 (240-26814-2), MW-3 (240-26814-3), MW-22 (240-26814-4), MW-20 (240-26814-5), MW-25 (240-26814-6), MW-27 (240-26814-7), MW-28 (240-26814-8), MW-10 (240-26814-9), MW-14 (240-26814-10), DUP-1 (240-26814-11), MW-19 (240-26814-12), SEEP MANSON BRANCH #2 (240-26814-13), SEEP H (240-26814-14), SEEP G (240-26814-15), SEEP #2 (240-26814-16), SEEP B (240-26814-17), SEEP L (240-26814-18), SEEP I (240-26814-19), MB #16 (240-26814-20), MB #15 (240-26814-21), DUP-2 (240-26814-22), MB #3 (240-26814-23) and MB #5 (240-26814-24) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 07/18/2013, 07/19/2013, 07/20/2013 and 07/21/2013.

The laboratory control sample (LCS) for batch 94118 recovered outside control limits for the following analyte(s): 1,2,3-Trichlorobenzene--has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

1,2,3-Trichlorobenzene failed the recovery criteria low for the MS of sample MW-14 (240-26814-10) in batch 240-94286. Naphthalene exceeded the RPD limit for the MSD of sample MW-14 (240-26814-10) in batch 240-94286.

Samples MW-5 (240-26814-2)[10X], MW-20 (240-26814-5)[1.25X], MW-20 (240-26814-5)[12.5X], MW-25 (240-26814-6)[12.5X], MW-25

Job ID: 240-26814-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

(240-26814-6)[125X], MW-14 (240-26814-10)[10X], MW-14 (240-26814-10)[100X], DUP-1 (240-26814-11)[10X], DUP-1 (240-26814-11)[100X], MW-19 (240-26814-12)[14.28X], MW-19 (240-26814-12)[142.86X], SEEP H (240-26814-14)[1.67X], SEEP H (240-26814-14)[16.67X], DUP-2 (240-26814-22)[1.43X] and DUP-2 (240-26814-22)[14.28X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analysis. All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GCMS SIM)

Samples MW-5 (240-26814-2), MW-20 (240-26814-5), MW-25 (240-26814-6), MW-27 (240-26814-7), MW-28 (240-26814-8), MW-14 (240-26814-10), DUP-1 (240-26814-11) and MW-19 (240-26814-12) were analyzed for volatile organic compounds (GCMS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 07/20/2013 and 07/21/2013.

No other difficulties were encountered during the VOC SIM analysis. All other quality control parameters were within the acceptance limits.

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-26814-1	TB-070913	WQ	07/09/13 10:00	07/12/13 09:15
240-26814-2	MW-5	Water	07/09/13 15:00	07/12/13 09:15
240-26814-3	MW-3	Water	07/09/13 11:20	07/12/13 09:15
240-26814-4	MW-22	Water	07/09/13 18:35	07/12/13 09:15
240-26814-5	MW-20	Water	07/09/13 12:35	07/12/13 09:15
240-26814-6	MW-25	Water	07/09/13 17:10	07/12/13 09:15
240-26814-7	MW-27	Water	07/10/13 09:55	07/12/13 09:15
240-26814-8	MW-28	Water	07/10/13 10:17	07/12/13 09:15
240-26814-9	MW-10	Water	07/10/13 12:46	07/12/13 09:15
240-26814-10	MW-14	Water	07/10/13 11:35	07/12/13 09:15
240-26814-11	DUP-1	Water	07/10/13 12:00	07/12/13 09:15
240-26814-12	MW-19	Water	07/10/13 13:22	07/12/13 09:15
240-26814-13	SEEP MANSON BRANCH #2	Water	07/10/13 15:02	07/12/13 09:15
240-26814-14	SEEP H	Water	07/10/13 15:12	07/12/13 09:15
240-26814-15	SEEP G	Water	07/10/13 15:35	07/12/13 09:15
240-26814-16	SEEP #2	Water	07/10/13 15:40	07/12/13 09:15
240-26814-17	SEEP B	Water	07/10/13 15:50	07/12/13 09:15
240-26814-18	SEEP L	Water	07/10/13 16:00	07/12/13 09:15
240-26814-19	SEEP I	Water	07/10/13 16:05	07/12/13 09:15
240-26814-20	MB #16	Water	07/10/13 16:15	07/12/13 09:15
240-26814-21	MB #15	Water	07/10/13 16:30	07/12/13 09:15
240-26814-22	DUP-2	Water	07/10/13 12:00	07/12/13 09:15
240-26814-23	MB #3	Water	07/10/13 16:40	07/12/13 09:15
240-26814-24	MB #5	Water	07/10/13 16:55	07/12/13 09:15

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: TB-070913 — Lab Sample ID: 240-26814-1

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 240-26814-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.0		1.0		ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.7		1.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	9.8		1.0		ug/L	1		8260B	Total/NA
Hexachlorobutadiene	1.4		1.0		ug/L	1		8260B	Total/NA
Naphthalene	1.1		1.0		ug/L	1		8260B	Total/NA
1,2,3-Trichlorobenzene	1.5		1.0		ug/L	1		8260B	Total/NA
1,2,4-Trichlorobenzene	1.5		1.0		ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	1.4		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	370		10		ug/L	10		8260B	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 240-26814-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.2		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	2.2		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-22 — Lab Sample ID: 240-26814-4

No Detections.

Client Sample ID: MW-20 — Lab Sample ID: 240-26814-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	360		13		ug/L	12.5		8260B	Total/NA
1,1-Dichloroethene	4.8		1.3		ug/L	1.25		8260B	Total/NA
Vinyl chloride	1.6		1.3		ug/L	1.25		8260B	Total/NA

Client Sample ID: MW-25 — Lab Sample ID: 240-26814-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	840		130		ug/L	125		8260B	Total/NA
1,1-Dichloroethene	27		13		ug/L	12.5		8260B	Total/NA
Trichloroethene	4500		130		ug/L	125		8260B	Total/NA
Vinyl chloride	21		13		ug/L	12.5		8260B	Total/NA

Client Sample ID: MW-27 — Lab Sample ID: 240-26814-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.8		1.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.2		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	13		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-28 — Lab Sample ID: 240-26814-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.2		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	1.2		1.0		ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MW-10 — Lab Sample ID: 240-26814-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.5		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	1.4		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 240-26814-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	350		10		ug/L	10		8260B	Total/NA
1,1-Dichloroethene	57		10		ug/L	10		8260B	Total/NA
Trichloroethene	2900		100		ug/L	100		8260B	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 240-26814-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	360		10		ug/L	10		8260B	Total/NA
1,1-Dichloroethene	56		10		ug/L	10		8260B	Total/NA
Trichloroethene	3100		100		ug/L	100		8260B	Total/NA

Client Sample ID: MW-19 — Lab Sample ID: 240-26814-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18		14		ug/L	14.28		8260B	Total/NA
1,1-Dichloroethene	33		14		ug/L	14.28		8260B	Total/NA
Trichloroethene	5000		140		ug/L	142.86		8260B	Total/NA

Client Sample ID: SEEP MANSON BRANCH #2 — Lab Sample ID: 240-26814-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	1.3		1.0		ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	18		1.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethane	3.1		1.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.3		1.0		ug/L	1		8260B	Total/NA
Vinyl chloride	21		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SEEP H — Lab Sample ID: 240-26814-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	64		1.7		ug/L	1.67		8260B	Total/NA
1,1-Dichloroethene	58		1.7		ug/L	1.67		8260B	Total/NA
Toluene	1.8		1.7		ug/L	1.67		8260B	Total/NA
1,1,1-Trichloroethane	9.6		1.7		ug/L	1.67		8260B	Total/NA
Trichloroethene	490		17		ug/L	16.67		8260B	Total/NA

Client Sample ID: SEEP G — Lab Sample ID: 240-26814-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.4		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SEEP #2 — Lab Sample ID: 240-26814-16

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: SEEP #2 (Continued) — Lab Sample ID: 240-26814-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11		1.0		ug/L	1		8260B	Total/NA
1,1-Dichloroethene	1.2		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	4.5		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SEEP B — Lab Sample ID: 240-26814-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.2		1.0		ug/L	1		8260B	Total/NA
Toluene	1.5		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	1.2		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: SEEP L — Lab Sample ID: 240-26814-18

No Detections.

Client Sample ID: SEEP I — Lab Sample ID: 240-26814-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0		ug/L	1		8260B	Total/NA
Trichloroethene	1.9		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: MB #16 — Lab Sample ID: 240-26814-20

No Detections.

Client Sample ID: MB #15 — Lab Sample ID: 240-26814-21

No Detections.

Client Sample ID: DUP-2 — Lab Sample ID: 240-26814-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.9		1.4		ug/L	1.43		8260B	Total/NA
cis-1,2-Dichloroethene	62		14		ug/L	14.28		8260B	Total/NA
1,1-Dichloroethene	62		14		ug/L	14.28		8260B	Total/NA
Toluene	1.4		1.4		ug/L	1.43		8260B	Total/NA
1,1,1-Trichloroethane	13		1.4		ug/L	1.43		8260B	Total/NA
Trichloroethene	520		14		ug/L	14.28		8260B	Total/NA

Client Sample ID: MB #3 — Lab Sample ID: 240-26814-23

No Detections.

Client Sample ID: MB #5 — Lab Sample ID: 240-26814-24

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: TB-070913

Date Collected: 07/09/13 10:00
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-1

Matrix: WQ

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/18/13 17:11	1
Bromobenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
Bromochloromethane	<1.0		1.0		ug/L			07/18/13 17:11	1
Bromodichloromethane	<1.0		1.0		ug/L			07/18/13 17:11	1
Bromoform	<1.0		1.0		ug/L			07/18/13 17:11	1
Bromomethane	<1.0		1.0		ug/L			07/18/13 17:11	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/18/13 17:11	1
Chlorobenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/18/13 17:11	1
Chloroethane	<1.0		1.0		ug/L			07/18/13 17:11	1
Chloroform	<1.0		1.0		ug/L			07/18/13 17:11	1
Chloromethane	<1.0		1.0		ug/L			07/18/13 17:11	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 17:11	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 17:11	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/18/13 17:11	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/18/13 17:11	1
Dibromomethane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/18/13 17:11	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,4-Dioxane	<50		50		ug/L			07/18/13 17:11	1
Ethylbenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/18/13 17:11	1
Isopropylbenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
Methylene Chloride	<1.0		1.0		ug/L			07/18/13 17:11	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/18/13 17:11	1
Naphthalene	<1.0		1.0		ug/L			07/18/13 17:11	1
n-Butylbenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
N-Propylbenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
o-Xylene	<1.0		1.0		ug/L			07/18/13 17:11	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/18/13 17:11	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
Styrene	<1.0		1.0		ug/L			07/18/13 17:11	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 17:11	1
Tetrachloroethene	<1.0		1.0		ug/L			07/18/13 17:11	1
Toluene	<1.0		1.0		ug/L			07/18/13 17:11	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,2,3-Trichlorobenzene	<1.0	*	1.0		ug/L			07/18/13 17:11	1

Client Sample ID: TB-070913
Date Collected: 07/09/13 10:00
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-1
Matrix: WQ

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/18/13 17:11	1
Trichloroethene	<1.0		1.0		ug/L			07/18/13 17:11	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/18/13 17:11	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 17:11	1
Vinyl chloride	<1.0		1.0		ug/L			07/18/13 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*07/18/13 17:11*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 121*		*07/18/13 17:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*		*07/18/13 17:11*	*1*
Toluene-d8 (Surr)	*82*		*74 - 115*		*07/18/13 17:11*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MW-5

Lab Sample ID: 240-26814-2

Date Collected: 07/09/13 15:00
Date Received: 07/12/13 09:15

Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/20/13 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*74 - 120*		*07/20/13 21:00*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/20/13 22:39	1
Bromobenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
Bromochloromethane	<1.0		1.0		ug/L			07/20/13 22:39	1
Bromodichloromethane	<1.0		1.0		ug/L			07/20/13 22:39	1
Bromoform	<1.0		1.0		ug/L			07/20/13 22:39	1
Bromomethane	<1.0		1.0		ug/L			07/20/13 22:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/20/13 22:39	1
Chlorobenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/20/13 22:39	1
Chloroethane	<1.0		1.0		ug/L			07/20/13 22:39	1
Chloroform	**3.0**		1.0		ug/L			07/20/13 22:39	1
Chloromethane	<1.0		1.0		ug/L			07/20/13 22:39	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/20/13 22:39	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/20/13 22:39	1
cis-1,2-Dichloroethene	**3.7**		1.0		ug/L			07/20/13 22:39	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/20/13 22:39	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/20/13 22:39	1
Dibromomethane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,1-Dichloroethene	**9.8**		1.0		ug/L			07/20/13 22:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/20/13 22:39	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/20/13 22:39	1
1,4-Dioxane	<50		50		ug/L			07/20/13 22:39	1
Ethylbenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
Hexachlorobutadiene	**1.4**		1.0		ug/L			07/20/13 22:39	1
Isopropylbenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
Methylene Chloride	<1.0		1.0		ug/L			07/20/13 22:39	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/20/13 22:39	1
Naphthalene	**1.1**		1.0		ug/L			07/20/13 22:39	1
n-Butylbenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
N-Propylbenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
o-Xylene	<1.0		1.0		ug/L			07/20/13 22:39	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/20/13 22:39	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
Styrene	<1.0		1.0		ug/L			07/20/13 22:39	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/20/13 22:39	1

Client Sample ID: MW-5

Lab Sample ID: 240-26814-2

Date Collected: 07/09/13 15:00

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/20/13 22:39	1
Tetrachloroethene	<1.0		1.0		ug/L			07/20/13 22:39	1
Toluene	<1.0		1.0		ug/L			07/20/13 22:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/20/13 22:39	1
1,2,3-Trichlorobenzene	**1.5**		1.0		ug/L			07/20/13 22:39	1
1,2,4-Trichlorobenzene	**1.5**		1.0		ug/L			07/20/13 22:39	1
1,1,1-Trichloroethane	**1.4**		1.0		ug/L			07/20/13 22:39	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/20/13 22:39	1
Trichloroethene	**370**		10		ug/L			07/18/13 17:33	10
Trichlorofluoromethane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/20/13 22:39	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/20/13 22:39	1
Vinyl chloride	<1.0		1.0		ug/L			07/20/13 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*07/18/13 17:33*	*10*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*07/20/13 22:39*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 121*		*07/18/13 17:33*	*10*
Dibromofluoromethane (Surr)	*99*		*75 - 121*		*07/20/13 22:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*		*07/18/13 17:33*	*10*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*07/20/13 22:39*	*1*
Toluene-d8 (Surr)	*84*		*74 - 115*		*07/18/13 17:33*	*10*
Toluene-d8 (Surr)	*81*		*74 - 115*		*07/20/13 22:39*	*1*

Client Sample ID: MW-3

Lab Sample ID: 240-26814-3

Date Collected: 07/09/13 11:20

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/18/13 17:56	1
Bromobenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
Bromochloromethane	<1.0		1.0		ug/L			07/18/13 17:56	1
Bromodichloromethane	<1.0		1.0		ug/L			07/18/13 17:56	1
Bromoform	<1.0		1.0		ug/L			07/18/13 17:56	1
Bromomethane	<1.0		1.0		ug/L			07/18/13 17:56	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/18/13 17:56	1
Chlorobenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/18/13 17:56	1
Chloroethane	<1.0		1.0		ug/L			07/18/13 17:56	1
Chloroform	**3.2**		1.0		ug/L			07/18/13 17:56	1
Chloromethane	<1.0		1.0		ug/L			07/18/13 17:56	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 17:56	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 17:56	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/18/13 17:56	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/18/13 17:56	1
Dibromomethane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/18/13 17:56	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,4-Dioxane	<50		50		ug/L			07/18/13 17:56	1
Ethylbenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/18/13 17:56	1
Isopropylbenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
Methylene Chloride	<1.0		1.0		ug/L			07/18/13 17:56	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/18/13 17:56	1
Naphthalene	<1.0		1.0		ug/L			07/18/13 17:56	1
n-Butylbenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
N-Propylbenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
o-Xylene	<1.0		1.0		ug/L			07/18/13 17:56	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/18/13 17:56	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
Styrene	<1.0		1.0		ug/L			07/18/13 17:56	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 17:56	1
Tetrachloroethene	<1.0		1.0		ug/L			07/18/13 17:56	1
Toluene	<1.0		1.0		ug/L			07/18/13 17:56	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,2,3-Trichlorobenzene	<1.0	*	1.0		ug/L			07/18/13 17:56	1

Client Sample ID: MW-3

Lab Sample ID: 240-26814-3

Date Collected: 07/09/13 11:20

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/18/13 17:56	1
Trichloroethene	**2.2**		1.0		ug/L			07/18/13 17:56	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/18/13 17:56	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 17:56	1
Vinyl chloride	<1.0		1.0		ug/L			07/18/13 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*07/18/13 17:56*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*07/18/13 17:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 129*		*07/18/13 17:56*	*1*
Toluene-d8 (Surr)	*80*		*74 - 115*		*07/18/13 17:56*	*1*

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MW-22
Date Collected: 07/09/13 18:35
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/18/13 18:18	1
Bromobenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
Bromochloromethane	<1.0		1.0		ug/L			07/18/13 18:18	1
Bromodichloromethane	<1.0		1.0		ug/L			07/18/13 18:18	1
Bromoform	<1.0		1.0		ug/L			07/18/13 18:18	1
Bromomethane	<1.0		1.0		ug/L			07/18/13 18:18	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/18/13 18:18	1
Chlorobenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/18/13 18:18	1
Chloroethane	<1.0		1.0		ug/L			07/18/13 18:18	1
Chloroform	<1.0		1.0		ug/L			07/18/13 18:18	1
Chloromethane	<1.0		1.0		ug/L			07/18/13 18:18	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 18:18	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 18:18	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/18/13 18:18	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/18/13 18:18	1
Dibromomethane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/18/13 18:18	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,4-Dioxane	<50		50		ug/L			07/18/13 18:18	1
Ethylbenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/18/13 18:18	1
Isopropylbenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
Methylene Chloride	<1.0		1.0		ug/L			07/18/13 18:18	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/18/13 18:18	1
Naphthalene	<1.0		1.0		ug/L			07/18/13 18:18	1
n-Butylbenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
N-Propylbenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
o-Xylene	<1.0		1.0		ug/L			07/18/13 18:18	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/18/13 18:18	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
Styrene	<1.0		1.0		ug/L			07/18/13 18:18	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 18:18	1
Tetrachloroethene	<1.0		1.0		ug/L			07/18/13 18:18	1
Toluene	<1.0		1.0		ug/L			07/18/13 18:18	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,2,3-Trichlorobenzene	<1.0	*	1.0		ug/L			07/18/13 18:18	1

Client Sample ID: MW-22

Lab Sample ID: 240-26814-4

Date Collected: 07/09/13 18:35

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/18/13 18:18	1
Trichloroethene	<1.0		1.0		ug/L			07/18/13 18:18	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/18/13 18:18	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 18:18	1
Vinyl chloride	<1.0		1.0		ug/L			07/18/13 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*07/18/13 18:18*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 121*		*07/18/13 18:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*		*07/18/13 18:18*	*1*
Toluene-d8 (Surr)	*80*		*74 - 115*		*07/18/13 18:18*	*1*

Client Sample ID: MW-20

Lab Sample ID: 240-26814-5

Date Collected: 07/09/13 12:35

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/20/13 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*74 - 120*		*07/20/13 21:24*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Bromobenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Bromochloromethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Bromodichloromethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Bromoform	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Bromomethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Carbon tetrachloride	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Chlorobenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Chlorodibromomethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Chloroethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Chloroform	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Chloromethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
2-Chlorotoluene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
4-Chlorotoluene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
cis-1,2-Dichloroethene	**360**		13		ug/L			07/18/13 18:40	12.5
1,2-Dibromo-3-Chloropropane	<2.5		2.5		ug/L			07/20/13 23:01	1.25
1,2-Dibromoethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Dibromomethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,2-Dichlorobenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,3-Dichlorobenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,4-Dichlorobenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Dichlorodifluoromethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,1-Dichloroethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,2-Dichloroethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,1-Dichloroethene	**4.8**		1.3		ug/L			07/20/13 23:01	1.25
1,2-Dichloropropane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,3-Dichloropropane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
2,2-Dichloropropane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,1-Dichloropropene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,4-Dioxane	<63		63		ug/L			07/20/13 23:01	1.25
Ethylbenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Hexachlorobutadiene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Isopropylbenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Methylene Chloride	<1.3		1.3		ug/L			07/20/13 23:01	1.25
m-Xylene & p-Xylene	<2.5		2.5		ug/L			07/20/13 23:01	1.25
Naphthalene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
n-Butylbenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
N-Propylbenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
o-Xylene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
p-Isopropyltoluene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
sec-Butylbenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Styrene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
tert-Butylbenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25

Client Sample ID: MW-20

Lab Sample ID: 240-26814-5

Date Collected: 07/09/13 12:35

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,1,2,2-Tetrachloroethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Tetrachloroethene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Toluene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
trans-1,2-Dichloroethene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,2,3-Trichlorobenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,2,4-Trichlorobenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,1,1-Trichloroethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,1,2-Trichloroethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Trichloroethene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Trichlorofluoromethane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,2,3-Trichloropropane	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,2,4-Trimethylbenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
1,3,5-Trimethylbenzene	<1.3		1.3		ug/L			07/20/13 23:01	1.25
Vinyl chloride	**1.6**		1.3		ug/L			07/20/13 23:01	1.25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*07/18/13 18:40*	*12.5*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*07/20/13 23:01*	*1.25*
Dibromofluoromethane (Surr)	*110*		*75 - 121*		*07/18/13 18:40*	*12.5*
Dibromofluoromethane (Surr)	*100*		*75 - 121*		*07/20/13 23:01*	*1.25*
1,2-Dichloroethane-d4 (Surr)	*106*		*63 - 129*		*07/18/13 18:40*	*12.5*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*07/20/13 23:01*	*1.25*
Toluene-d8 (Surr)	*83*		*74 - 115*		*07/18/13 18:40*	*12.5*
Toluene-d8 (Surr)	*79*		*74 - 115*		*07/20/13 23:01*	*1.25*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MW-25

Lab Sample ID: 240-26814-6

Date Collected: 07/09/13 17:10
Matrix: Water
Date Received: 07/12/13 09:15

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/20/13 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*74 - 120*		*07/20/13 21:46*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<13		13		ug/L			07/20/13 23:23	12.5
Bromobenzene	<13		13		ug/L			07/20/13 23:23	12.5
Bromochloromethane	<13		13		ug/L			07/20/13 23:23	12.5
Bromodichloromethane	<13		13		ug/L			07/20/13 23:23	12.5
Bromoform	<13		13		ug/L			07/20/13 23:23	12.5
Bromomethane	<13		13		ug/L			07/20/13 23:23	12.5
Carbon tetrachloride	<13		13		ug/L			07/20/13 23:23	12.5
Chlorobenzene	<13		13		ug/L			07/20/13 23:23	12.5
Chlorodibromomethane	<13		13		ug/L			07/20/13 23:23	12.5
Chloroethane	<13		13		ug/L			07/20/13 23:23	12.5
Chloroform	<13		13		ug/L			07/20/13 23:23	12.5
Chloromethane	<13		13		ug/L			07/20/13 23:23	12.5
2-Chlorotoluene	<13		13		ug/L			07/20/13 23:23	12.5
4-Chlorotoluene	<13		13		ug/L			07/20/13 23:23	12.5
cis-1,2-Dichloroethene	**840**		130		ug/L			07/18/13 19:03	125
1,2-Dibromo-3-Chloropropane	<25		25		ug/L			07/20/13 23:23	12.5
1,2-Dibromoethane	<13		13		ug/L			07/20/13 23:23	12.5
Dibromomethane	<13		13		ug/L			07/20/13 23:23	12.5
1,2-Dichlorobenzene	<13		13		ug/L			07/20/13 23:23	12.5
1,3-Dichlorobenzene	<13		13		ug/L			07/20/13 23:23	12.5
1,4-Dichlorobenzene	<13		13		ug/L			07/20/13 23:23	12.5
Dichlorodifluoromethane	<13		13		ug/L			07/20/13 23:23	12.5
1,1-Dichloroethane	<13		13		ug/L			07/20/13 23:23	12.5
1,2-Dichloroethane	<13		13		ug/L			07/20/13 23:23	12.5
1,1-Dichloroethene	**27**		13		ug/L			07/20/13 23:23	12.5
1,2-Dichloropropane	<13		13		ug/L			07/20/13 23:23	12.5
1,3-Dichloropropane	<13		13		ug/L			07/20/13 23:23	12.5
2,2-Dichloropropane	<13		13		ug/L			07/20/13 23:23	12.5
1,1-Dichloropropene	<13		13		ug/L			07/20/13 23:23	12.5
1,4-Dioxane	<630		630		ug/L			07/20/13 23:23	12.5
Ethylbenzene	<13		13		ug/L			07/20/13 23:23	12.5
Hexachlorobutadiene	<13		13		ug/L			07/20/13 23:23	12.5
Isopropylbenzene	<13		13		ug/L			07/20/13 23:23	12.5
Methylene Chloride	<13		13		ug/L			07/20/13 23:23	12.5
m-Xylene & p-Xylene	<25		25		ug/L			07/20/13 23:23	12.5
Naphthalene	<13		13		ug/L			07/20/13 23:23	12.5
n-Butylbenzene	<13		13		ug/L			07/20/13 23:23	12.5
N-Propylbenzene	<13		13		ug/L			07/20/13 23:23	12.5
o-Xylene	<13		13		ug/L			07/20/13 23:23	12.5
p-Isopropyltoluene	<13		13		ug/L			07/20/13 23:23	12.5
sec-Butylbenzene	<13		13		ug/L			07/20/13 23:23	12.5
Styrene	<13		13		ug/L			07/20/13 23:23	12.5
tert-Butylbenzene	<13		13		ug/L			07/20/13 23:23	12.5

Client Sample ID: MW-25

Lab Sample ID: 240-26814-6

Date Collected: 07/09/13 17:10

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<13		13		ug/L			07/20/13 23:23	12.5
1,1,2,2-Tetrachloroethane	<13		13		ug/L			07/20/13 23:23	12.5
Tetrachloroethene	<13		13		ug/L			07/20/13 23:23	12.5
Toluene	<13		13		ug/L			07/20/13 23:23	12.5
trans-1,2-Dichloroethene	<13		13		ug/L			07/20/13 23:23	12.5
1,2,3-Trichlorobenzene	<13		13		ug/L			07/20/13 23:23	12.5
1,2,4-Trichlorobenzene	<13		13		ug/L			07/20/13 23:23	12.5
1,1,1-Trichloroethane	<13		13		ug/L			07/20/13 23:23	12.5
1,1,2-Trichloroethane	<13		13		ug/L			07/20/13 23:23	12.5
Trichloroethene	**4500**		130		ug/L			07/18/13 19:03	125
Trichlorofluoromethane	<13		13		ug/L			07/20/13 23:23	12.5
1,2,3-Trichloropropane	<13		13		ug/L			07/20/13 23:23	12.5
1,2,4-Trimethylbenzene	<13		13		ug/L			07/20/13 23:23	12.5
1,3,5-Trimethylbenzene	<13		13		ug/L			07/20/13 23:23	12.5
Vinyl chloride	**21**		13		ug/L			07/20/13 23:23	12.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*66 - 117*		*07/18/13 19:03*	*125*
4-Bromofluorobenzene (Surr)	*78*		*66 - 117*		*07/20/13 23:23*	*12.5*
Dibromofluoromethane (Surr)	*102*		*75 - 121*		*07/18/13 19:03*	*125*
Dibromofluoromethane (Surr)	*98*		*75 - 121*		*07/20/13 23:23*	*12.5*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 129*		*07/18/13 19:03*	*125*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*07/20/13 23:23*	*12.5*
Toluene-d8 (Surr)	*78*		*74 - 115*		*07/18/13 19:03*	*125*
Toluene-d8 (Surr)	*79*		*74 - 115*		*07/20/13 23:23*	*12.5*

Client Sample ID: MW-27

Lab Sample ID: 240-26814-7

Date Collected: 07/10/13 09:55

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/20/13 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 120*		*07/20/13 22:09*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/18/13 19:25	1
Bromobenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
Bromochloromethane	<1.0		1.0		ug/L			07/18/13 19:25	1
Bromodichloromethane	<1.0		1.0		ug/L			07/18/13 19:25	1
Bromoform	<1.0		1.0		ug/L			07/18/13 19:25	1
Bromomethane	<1.0		1.0		ug/L			07/18/13 19:25	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/18/13 19:25	1
Chlorobenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/18/13 19:25	1
Chloroethane	<1.0		1.0		ug/L			07/18/13 19:25	1
Chloroform	<1.0		1.0		ug/L			07/18/13 19:25	1
Chloromethane	<1.0		1.0		ug/L			07/18/13 19:25	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 19:25	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 19:25	1
cis-1,2-Dichloroethene	**8.8**		1.0		ug/L			07/18/13 19:25	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/18/13 19:25	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/18/13 19:25	1
Dibromomethane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,1-Dichloroethene	**1.2**		1.0		ug/L			07/18/13 19:25	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/18/13 19:25	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/18/13 19:25	1
1,4-Dioxane	<50		50		ug/L			07/18/13 19:25	1
Ethylbenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/18/13 19:25	1
Isopropylbenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
Methylene Chloride	<1.0		1.0		ug/L			07/18/13 19:25	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/18/13 19:25	1
Naphthalene	<1.0		1.0		ug/L			07/18/13 19:25	1
n-Butylbenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
N-Propylbenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
o-Xylene	<1.0		1.0		ug/L			07/18/13 19:25	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/18/13 19:25	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
Styrene	<1.0		1.0		ug/L			07/18/13 19:25	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/18/13 19:25	1

Client Sample ID: MW-27

Lab Sample ID: 240-26814-7

Date Collected: 07/10/13 09:55

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 19:25	1
Tetrachloroethene	<1.0		1.0		ug/L			07/18/13 19:25	1
Toluene	<1.0		1.0		ug/L			07/18/13 19:25	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 19:25	1
1,2,3-Trichlorobenzene	<1.0	*	1.0		ug/L			07/18/13 19:25	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/18/13 19:25	1
Trichloroethene	**13**		1.0		ug/L			07/18/13 19:25	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/18/13 19:25	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 19:25	1
Vinyl chloride	<1.0		1.0		ug/L			07/18/13 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*07/18/13 19:25*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 121*		*07/18/13 19:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 129*		*07/18/13 19:25*	*1*
Toluene-d8 (Surr)	*81*		*74 - 115*		*07/18/13 19:25*	*1*

Client Sample ID: MW-28

Lab Sample ID: 240-26814-8

Date Collected: 07/10/13 10:17

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/20/13 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*74 - 120*		*07/20/13 22:33*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/18/13 19:47	1
Bromobenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
Bromochloromethane	<1.0		1.0		ug/L			07/18/13 19:47	1
Bromodichloromethane	<1.0		1.0		ug/L			07/18/13 19:47	1
Bromoform	<1.0		1.0		ug/L			07/18/13 19:47	1
Bromomethane	<1.0		1.0		ug/L			07/18/13 19:47	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/18/13 19:47	1
Chlorobenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/18/13 19:47	1
Chloroethane	<1.0		1.0		ug/L			07/18/13 19:47	1
Chloroform	<1.0		1.0		ug/L			07/18/13 19:47	1
Chloromethane	<1.0		1.0		ug/L			07/18/13 19:47	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 19:47	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 19:47	1
cis-1,2-Dichloroethene	**7.2**		1.0		ug/L			07/18/13 19:47	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/18/13 19:47	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/18/13 19:47	1
Dibromomethane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/18/13 19:47	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/18/13 19:47	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/18/13 19:47	1
1,4-Dioxane	<50		50		ug/L			07/18/13 19:47	1
Ethylbenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/18/13 19:47	1
Isopropylbenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
Methylene Chloride	<1.0		1.0		ug/L			07/18/13 19:47	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/18/13 19:47	1
Naphthalene	<1.0		1.0		ug/L			07/18/13 19:47	1
n-Butylbenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
N-Propylbenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
o-Xylene	<1.0		1.0		ug/L			07/18/13 19:47	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/18/13 19:47	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
Styrene	<1.0		1.0		ug/L			07/18/13 19:47	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/18/13 19:47	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MW-28
Date Collected: 07/10/13 10:17
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 19:47	1
Tetrachloroethene	<1.0		1.0		ug/L			07/18/13 19:47	1
Toluene	<1.0		1.0		ug/L			07/18/13 19:47	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 19:47	1
1,2,3-Trichlorobenzene	<1.0	*	1.0		ug/L			07/18/13 19:47	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/18/13 19:47	1
Trichloroethene	**1.2**		1.0		ug/L			07/18/13 19:47	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/18/13 19:47	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 19:47	1
Vinyl chloride	<1.0		1.0		ug/L			07/18/13 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*07/18/13 19:47*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 121*		*07/18/13 19:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 129*		*07/18/13 19:47*	*1*
Toluene-d8 (Surr)	*79*		*74 - 115*		*07/18/13 19:47*	*1*

Client Sample ID: MW-10

Lab Sample ID: 240-26814-9

Date Collected: 07/10/13 12:46

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/18/13 20:09	1
Bromobenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
Bromochloromethane	<1.0		1.0		ug/L			07/18/13 20:09	1
Bromodichloromethane	<1.0		1.0		ug/L			07/18/13 20:09	1
Bromoform	<1.0		1.0		ug/L			07/18/13 20:09	1
Bromomethane	<1.0		1.0		ug/L			07/18/13 20:09	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/18/13 20:09	1
Chlorobenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/18/13 20:09	1
Chloroethane	<1.0		1.0		ug/L			07/18/13 20:09	1
Chloroform	**1.5**		1.0		ug/L			07/18/13 20:09	1
Chloromethane	<1.0		1.0		ug/L			07/18/13 20:09	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 20:09	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 20:09	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/18/13 20:09	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/18/13 20:09	1
Dibromomethane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/18/13 20:09	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,4-Dioxane	<50		50		ug/L			07/18/13 20:09	1
Ethylbenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/18/13 20:09	1
Isopropylbenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
Methylene Chloride	<1.0		1.0		ug/L			07/18/13 20:09	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/18/13 20:09	1
Naphthalene	<1.0		1.0		ug/L			07/18/13 20:09	1
n-Butylbenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
N-Propylbenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
o-Xylene	<1.0		1.0		ug/L			07/18/13 20:09	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/18/13 20:09	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
Styrene	<1.0		1.0		ug/L			07/18/13 20:09	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 20:09	1
Tetrachloroethene	<1.0		1.0		ug/L			07/18/13 20:09	1
Toluene	<1.0		1.0		ug/L			07/18/13 20:09	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,2,3-Trichlorobenzene	<1.0	*	1.0		ug/L			07/18/13 20:09	1

Client Sample ID: MW-10

Lab Sample ID: 240-26814-9

Date Collected: 07/10/13 12:46

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/18/13 20:09	1
Trichloroethene	**1.4**		1.0		ug/L			07/18/13 20:09	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/18/13 20:09	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 20:09	1
Vinyl chloride	<1.0		1.0		ug/L			07/18/13 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*66 - 117*		*07/18/13 20:09*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 121*		*07/18/13 20:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 129*		*07/18/13 20:09*	*1*
Toluene-d8 (Surr)	*76*		*74 - 115*		*07/18/13 20:09*	*1*

Client Sample ID: MW-14

Lab Sample ID: 240-26814-10

Date Collected: 07/10/13 11:35

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/20/13 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 120*		*07/20/13 22:56*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		10		ug/L			07/20/13 23:45	10
Bromobenzene	<10		10		ug/L			07/20/13 23:45	10
Bromochloromethane	<10		10		ug/L			07/20/13 23:45	10
Bromodichloromethane	<10		10		ug/L			07/20/13 23:45	10
Bromoform	<10		10		ug/L			07/20/13 23:45	10
Bromomethane	<10		10		ug/L			07/20/13 23:45	10
Carbon tetrachloride	<10		10		ug/L			07/20/13 23:45	10
Chlorobenzene	<10		10		ug/L			07/20/13 23:45	10
Chlorodibromomethane	<10		10		ug/L			07/20/13 23:45	10
Chloroethane	<10		10		ug/L			07/20/13 23:45	10
Chloroform	<10		10		ug/L			07/20/13 23:45	10
Chloromethane	<10		10		ug/L			07/20/13 23:45	10
2-Chlorotoluene	<10		10		ug/L			07/20/13 23:45	10
4-Chlorotoluene	<10		10		ug/L			07/20/13 23:45	10
cis-1,2-Dichloroethene	**350**		10		ug/L			07/20/13 23:45	10
1,2-Dibromo-3-Chloropropane	<20		20		ug/L			07/20/13 23:45	10
1,2-Dibromoethane	<10		10		ug/L			07/20/13 23:45	10
Dibromomethane	<10		10		ug/L			07/20/13 23:45	10
1,2-Dichlorobenzene	<10		10		ug/L			07/20/13 23:45	10
1,3-Dichlorobenzene	<10		10		ug/L			07/20/13 23:45	10
1,4-Dichlorobenzene	<10		10		ug/L			07/20/13 23:45	10
Dichlorodifluoromethane	<10		10		ug/L			07/20/13 23:45	10
1,1-Dichloroethane	<10		10		ug/L			07/20/13 23:45	10
1,2-Dichloroethane	<10		10		ug/L			07/20/13 23:45	10
1,1-Dichloroethene	**57**		10		ug/L			07/20/13 23:45	10
1,2-Dichloropropane	<10		10		ug/L			07/20/13 23:45	10
1,3-Dichloropropane	<10		10		ug/L			07/20/13 23:45	10
2,2-Dichloropropane	<10		10		ug/L			07/20/13 23:45	10
1,1-Dichloropropene	<10		10		ug/L			07/20/13 23:45	10
1,4-Dioxane	<500		500		ug/L			07/20/13 23:45	10
Ethylbenzene	<10		10		ug/L			07/20/13 23:45	10
Hexachlorobutadiene	<10		10		ug/L			07/20/13 23:45	10
Isopropylbenzene	<10		10		ug/L			07/20/13 23:45	10
Methylene Chloride	<10		10		ug/L			07/20/13 23:45	10
m-Xylene & p-Xylene	<20		20		ug/L			07/20/13 23:45	10
Naphthalene	<10		10		ug/L			07/20/13 23:45	10
n-Butylbenzene	<10		10		ug/L			07/20/13 23:45	10
N-Propylbenzene	<10		10		ug/L			07/20/13 23:45	10
o-Xylene	<10		10		ug/L			07/20/13 23:45	10
p-Isopropyltoluene	<10		10		ug/L			07/20/13 23:45	10
sec-Butylbenzene	<10		10		ug/L			07/20/13 23:45	10
Styrene	<10		10		ug/L			07/20/13 23:45	10
tert-Butylbenzene	<10		10		ug/L			07/20/13 23:45	10

Client Sample ID: MW-14
Date Collected: 07/10/13 11:35
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<10		10		ug/L			07/20/13 23:45	10
1,1,2,2-Tetrachloroethane	<10		10		ug/L			07/20/13 23:45	10
Tetrachloroethene	<10		10		ug/L			07/20/13 23:45	10
Toluene	<10		10		ug/L			07/20/13 23:45	10
trans-1,2-Dichloroethene	<10		10		ug/L			07/20/13 23:45	10
1,2,3-Trichlorobenzene	<10		10		ug/L			07/20/13 23:45	10
1,2,4-Trichlorobenzene	<10		10		ug/L			07/20/13 23:45	10
1,1,1-Trichloroethane	<10		10		ug/L			07/20/13 23:45	10
1,1,2-Trichloroethane	<10		10		ug/L			07/20/13 23:45	10
Trichloroethene	**2900**		100		ug/L			07/19/13 15:24	100
Trichlorofluoromethane	<10		10		ug/L			07/20/13 23:45	10
1,2,3-Trichloropropane	<10		10		ug/L			07/20/13 23:45	10
1,2,4-Trimethylbenzene	<10		10		ug/L			07/20/13 23:45	10
1,3,5-Trimethylbenzene	<10		10		ug/L			07/20/13 23:45	10
Vinyl chloride	<10		10		ug/L			07/20/13 23:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*66 - 117*		*07/19/13 15:24*	*100*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*07/20/13 23:45*	*10*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*07/19/13 15:24*	*100*
Dibromofluoromethane (Surr)	*107*		*75 - 121*		*07/20/13 23:45*	*10*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*07/19/13 15:24*	*100*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 129*		*07/20/13 23:45*	*10*
Toluene-d8 (Surr)	*78*		*74 - 115*		*07/19/13 15:24*	*100*
Toluene-d8 (Surr)	*84*		*74 - 115*		*07/20/13 23:45*	*10*

Client Sample ID: DUP-1

Lab Sample ID: 240-26814-11

Date Collected: 07/10/13 12:00

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/21/13 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*74 - 120*		*07/21/13 00:07*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		10		ug/L			07/21/13 00:07	10
Bromobenzene	<10		10		ug/L			07/21/13 00:07	10
Bromochloromethane	<10		10		ug/L			07/21/13 00:07	10
Bromodichloromethane	<10		10		ug/L			07/21/13 00:07	10
Bromoform	<10		10		ug/L			07/21/13 00:07	10
Bromomethane	<10		10		ug/L			07/21/13 00:07	10
Carbon tetrachloride	<10		10		ug/L			07/21/13 00:07	10
Chlorobenzene	<10		10		ug/L			07/21/13 00:07	10
Chlorodibromomethane	<10		10		ug/L			07/21/13 00:07	10
Chloroethane	<10		10		ug/L			07/21/13 00:07	10
Chloroform	<10		10		ug/L			07/21/13 00:07	10
Chloromethane	<10		10		ug/L			07/21/13 00:07	10
2-Chlorotoluene	<10		10		ug/L			07/21/13 00:07	10
4-Chlorotoluene	<10		10		ug/L			07/21/13 00:07	10
cis-1,2-Dichloroethene	**360**		10		ug/L			07/21/13 00:07	10
1,2-Dibromo-3-Chloropropane	<20		20		ug/L			07/21/13 00:07	10
1,2-Dibromoethane	<10		10		ug/L			07/21/13 00:07	10
Dibromomethane	<10		10		ug/L			07/21/13 00:07	10
1,2-Dichlorobenzene	<10		10		ug/L			07/21/13 00:07	10
1,3-Dichlorobenzene	<10		10		ug/L			07/21/13 00:07	10
1,4-Dichlorobenzene	<10		10		ug/L			07/21/13 00:07	10
Dichlorodifluoromethane	<10		10		ug/L			07/21/13 00:07	10
1,1-Dichloroethane	<10		10		ug/L			07/21/13 00:07	10
1,2-Dichloroethane	<10		10		ug/L			07/21/13 00:07	10
1,1-Dichloroethene	**56**		10		ug/L			07/21/13 00:07	10
1,2-Dichloropropane	<10		10		ug/L			07/21/13 00:07	10
1,3-Dichloropropane	<10		10		ug/L			07/21/13 00:07	10
2,2-Dichloropropane	<10		10		ug/L			07/21/13 00:07	10
1,1-Dichloropropene	<10		10		ug/L			07/21/13 00:07	10
1,4-Dioxane	<500		500		ug/L			07/21/13 00:07	10
Ethylbenzene	<10		10		ug/L			07/21/13 00:07	10
Hexachlorobutadiene	<10		10		ug/L			07/21/13 00:07	10
Isopropylbenzene	<10		10		ug/L			07/21/13 00:07	10
Methylene Chloride	<10		10		ug/L			07/21/13 00:07	10
m-Xylene & p-Xylene	<20		20		ug/L			07/21/13 00:07	10
Naphthalene	<10		10		ug/L			07/21/13 00:07	10
n-Butylbenzene	<10		10		ug/L			07/21/13 00:07	10
N-Propylbenzene	<10		10		ug/L			07/21/13 00:07	10
o-Xylene	<10		10		ug/L			07/21/13 00:07	10
p-Isopropyltoluene	<10		10		ug/L			07/21/13 00:07	10
sec-Butylbenzene	<10		10		ug/L			07/21/13 00:07	10
Styrene	<10		10		ug/L			07/21/13 00:07	10
tert-Butylbenzene	<10		10		ug/L			07/21/13 00:07	10

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: DUP-1
Date Collected: 07/10/13 12:00
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<10		10		ug/L			07/21/13 00:07	10
1,1,2,2-Tetrachloroethane	<10		10		ug/L			07/21/13 00:07	10
Tetrachloroethene	<10		10		ug/L			07/21/13 00:07	10
Toluene	<10		10		ug/L			07/21/13 00:07	10
trans-1,2-Dichloroethene	<10		10		ug/L			07/21/13 00:07	10
1,2,3-Trichlorobenzene	<10		10		ug/L			07/21/13 00:07	10
1,2,4-Trichlorobenzene	<10		10		ug/L			07/21/13 00:07	10
1,1,1-Trichloroethane	<10		10		ug/L			07/21/13 00:07	10
1,1,2-Trichloroethane	<10		10		ug/L			07/21/13 00:07	10
Trichloroethene	**3100**		100		ug/L			07/19/13 15:47	100
Trichlorofluoromethane	<10		10		ug/L			07/21/13 00:07	10
1,2,3-Trichloropropane	<10		10		ug/L			07/21/13 00:07	10
1,2,4-Trimethylbenzene	<10		10		ug/L			07/21/13 00:07	10
1,3,5-Trimethylbenzene	<10		10		ug/L			07/21/13 00:07	10
Vinyl chloride	<10		10		ug/L			07/21/13 00:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*07/19/13 15:47*	*100*
4-Bromofluorobenzene (Surr)	*76*		*66 - 117*		*07/21/13 00:07*	*10*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*07/19/13 15:47*	*100*
Dibromofluoromethane (Surr)	*103*		*75 - 121*		*07/21/13 00:07*	*10*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 129*		*07/19/13 15:47*	*100*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 129*		*07/21/13 00:07*	*10*
Toluene-d8 (Surr)	*81*		*74 - 115*		*07/19/13 15:47*	*100*
Toluene-d8 (Surr)	*79*		*74 - 115*		*07/21/13 00:07*	*10*

Client Sample ID: MW-19

Lab Sample ID: 240-26814-12

Date Collected: 07/10/13 13:22

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/21/13 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*74 - 120*		*07/21/13 00:30*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<14		14		ug/L			07/21/13 00:30	14.28
Bromobenzene	<14		14		ug/L			07/21/13 00:30	14.28
Bromochloromethane	<14		14		ug/L			07/21/13 00:30	14.28
Bromodichloromethane	<14		14		ug/L			07/21/13 00:30	14.28
Bromoform	<14		14		ug/L			07/21/13 00:30	14.28
Bromomethane	<14		14		ug/L			07/21/13 00:30	14.28
Carbon tetrachloride	<14		14		ug/L			07/21/13 00:30	14.28
Chlorobenzene	<14		14		ug/L			07/21/13 00:30	14.28
Chlorodibromomethane	<14		14		ug/L			07/21/13 00:30	14.28
Chloroethane	<14		14		ug/L			07/21/13 00:30	14.28
Chloroform	<14		14		ug/L			07/21/13 00:30	14.28
Chloromethane	<14		14		ug/L			07/21/13 00:30	14.28
2-Chlorotoluene	<14		14		ug/L			07/21/13 00:30	14.28
4-Chlorotoluene	<14		14		ug/L			07/21/13 00:30	14.28
cis-1,2-Dichloroethene	**18**		14		ug/L			07/21/13 00:30	14.28
1,2-Dibromo-3-Chloropropane	<29		29		ug/L			07/21/13 00:30	14.28
1,2-Dibromoethane	<14		14		ug/L			07/21/13 00:30	14.28
Dibromomethane	<14		14		ug/L			07/21/13 00:30	14.28
1,2-Dichlorobenzene	<14		14		ug/L			07/21/13 00:30	14.28
1,3-Dichlorobenzene	<14		14		ug/L			07/21/13 00:30	14.28
1,4-Dichlorobenzene	<14		14		ug/L			07/21/13 00:30	14.28
Dichlorodifluoromethane	<14		14		ug/L			07/21/13 00:30	14.28
1,1-Dichloroethane	<14		14		ug/L			07/21/13 00:30	14.28
1,2-Dichloroethane	<14		14		ug/L			07/21/13 00:30	14.28
1,1-Dichloroethene	**33**		14		ug/L			07/21/13 00:30	14.28
1,2-Dichloropropane	<14		14		ug/L			07/21/13 00:30	14.28
1,3-Dichloropropane	<14		14		ug/L			07/21/13 00:30	14.28
2,2-Dichloropropane	<14		14		ug/L			07/21/13 00:30	14.28
1,1-Dichloropropene	<14		14		ug/L			07/21/13 00:30	14.28
1,4-Dioxane	<710		710		ug/L			07/21/13 00:30	14.28
Ethylbenzene	<14		14		ug/L			07/21/13 00:30	14.28
Hexachlorobutadiene	<14		14		ug/L			07/21/13 00:30	14.28
Isopropylbenzene	<14		14		ug/L			07/21/13 00:30	14.28
Methylene Chloride	<14		14		ug/L			07/21/13 00:30	14.28
m-Xylene & p-Xylene	<29		29		ug/L			07/21/13 00:30	14.28
Naphthalene	<14		14		ug/L			07/21/13 00:30	14.28
n-Butylbenzene	<14		14		ug/L			07/21/13 00:30	14.28
N-Propylbenzene	<14		14		ug/L			07/21/13 00:30	14.28
o-Xylene	<14		14		ug/L			07/21/13 00:30	14.28
p-Isopropyltoluene	<14		14		ug/L			07/21/13 00:30	14.28
sec-Butylbenzene	<14		14		ug/L			07/21/13 00:30	14.28
Styrene	<14		14		ug/L			07/21/13 00:30	14.28
tert-Butylbenzene	<14		14		ug/L			07/21/13 00:30	14.28

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MW-19
Date Collected: 07/10/13 13:22
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		14		ug/L			07/21/13 00:30	14.28
1,1,2,2-Tetrachloroethane	<14		14		ug/L			07/21/13 00:30	14.28
Tetrachloroethene	<14		14		ug/L			07/21/13 00:30	14.28
Toluene	<14		14		ug/L			07/21/13 00:30	14.28
trans-1,2-Dichloroethene	<14		14		ug/L			07/21/13 00:30	14.28
1,2,3-Trichlorobenzene	<14		14		ug/L			07/21/13 00:30	14.28
1,2,4-Trichlorobenzene	<14		14		ug/L			07/21/13 00:30	14.28
1,1,1-Trichloroethane	<14		14		ug/L			07/21/13 00:30	14.28
1,1,2-Trichloroethane	<14		14		ug/L			07/21/13 00:30	14.28
Trichloroethene	**5000**		140		ug/L			07/18/13 21:16	142.86
Trichlorofluoromethane	<14		14		ug/L			07/21/13 00:30	14.28
1,2,3-Trichloropropane	<14		14		ug/L			07/21/13 00:30	14.28
1,2,4-Trimethylbenzene	<14		14		ug/L			07/21/13 00:30	14.28
1,3,5-Trimethylbenzene	<14		14		ug/L			07/21/13 00:30	14.28
Vinyl chloride	<14		14		ug/L			07/21/13 00:30	14.28

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*66 - 117*		*07/18/13 21:16*	*142.86*
4-Bromofluorobenzene (Surr)	*78*		*66 - 117*		*07/21/13 00:30*	*14.28*
Dibromofluoromethane (Surr)	*102*		*75 - 121*		*07/18/13 21:16*	*142.86*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*07/21/13 00:30*	*14.28*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 129*		*07/18/13 21:16*	*142.86*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 129*		*07/21/13 00:30*	*14.28*
Toluene-d8 (Surr)	*78*		*74 - 115*		*07/18/13 21:16*	*142.86*
Toluene-d8 (Surr)	*80*		*74 - 115*		*07/21/13 00:30*	*14.28*

Client Sample ID: SEEP MANSON BRANCH #2

Lab Sample ID: 240-26814-13

Date Collected: 07/10/13 15:02

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 16:09	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 16:09	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 16:09	1
Bromoform	<1.0		1.0		ug/L			07/19/13 16:09	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 16:09	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 16:09	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 16:09	1
Chloroethane	**1.3**		1.0		ug/L			07/19/13 16:09	1
Chloroform	<1.0		1.0		ug/L			07/19/13 16:09	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 16:09	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 16:09	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 16:09	1
cis-1,2-Dichloroethene	**18**		1.0		ug/L			07/19/13 16:09	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 16:09	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 16:09	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,1-Dichloroethane	**3.1**		1.0		ug/L			07/19/13 16:09	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,1-Dichloroethene	**1.3**		1.0		ug/L			07/19/13 16:09	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 16:09	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 16:09	1
1,4-Dioxane	<50		50		ug/L			07/19/13 16:09	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 16:09	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 16:09	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 16:09	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 16:09	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 16:09	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 16:09	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
Styrene	<1.0		1.0		ug/L			07/19/13 16:09	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 16:09	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 16:09	1
Toluene	<1.0		1.0		ug/L			07/19/13 16:09	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 16:09	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:09	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: SEEP MANSON BRANCH #2

Lab Sample ID: 240-26814-13

Date Collected: 07/10/13 15:02

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 16:09	1
Trichloroethene	<1.0		1.0		ug/L			07/19/13 16:09	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 16:09	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 16:09	1
Vinyl chloride	**21**		1.0		ug/L			07/19/13 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*07/19/13 16:09*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*07/19/13 16:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 129*		*07/19/13 16:09*	*1*
Toluene-d8 (Surr)	*83*		*74 - 115*		*07/19/13 16:09*	*1*

Client Sample ID: SEEP H

Lab Sample ID: 240-26814-14

Date Collected: 07/10/13 15:12

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Bromobenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Bromochloromethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Bromodichloromethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Bromoform	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Bromomethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Carbon tetrachloride	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Chlorobenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Chlorodibromomethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Chloroethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Chloroform	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Chloromethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
2-Chlorotoluene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
4-Chlorotoluene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
cis-1,2-Dichloroethene	**64**		1.7		ug/L			07/21/13 00:52	1.67
1,2-Dibromo-3-Chloropropane	<3.3		3.3		ug/L			07/21/13 00:52	1.67
1,2-Dibromoethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Dibromomethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,2-Dichlorobenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,3-Dichlorobenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,4-Dichlorobenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Dichlorodifluoromethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,1-Dichloroethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,2-Dichloroethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,1-Dichloroethene	**58**		1.7		ug/L			07/21/13 00:52	1.67
1,2-Dichloropropane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,3-Dichloropropane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
2,2-Dichloropropane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,1-Dichloropropene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,4-Dioxane	<84		84		ug/L			07/21/13 00:52	1.67
Ethylbenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Hexachlorobutadiene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Isopropylbenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Methylene Chloride	<1.7		1.7		ug/L			07/21/13 00:52	1.67
m-Xylene & p-Xylene	<3.3		3.3		ug/L			07/21/13 00:52	1.67
Naphthalene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
n-Butylbenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
N-Propylbenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
o-Xylene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
p-Isopropyltoluene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
sec-Butylbenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Styrene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
tert-Butylbenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,1,1,2-Tetrachloroethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,1,2,2-Tetrachloroethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Tetrachloroethene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Toluene	**1.8**		1.7		ug/L			07/21/13 00:52	1.67
trans-1,2-Dichloroethene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,2,3-Trichlorobenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: SEEP H

Lab Sample ID: 240-26814-14

Date Collected: 07/10/13 15:12

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,1,1-Trichloroethane	**9.6**		1.7		ug/L			07/21/13 00:52	1.67
1,1,2-Trichloroethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Trichloroethene	**490**		17		ug/L			07/20/13 17:48	16.67
Trichlorofluoromethane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,2,3-Trichloropropane	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,2,4-Trimethylbenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
1,3,5-Trimethylbenzene	<1.7		1.7		ug/L			07/21/13 00:52	1.67
Vinyl chloride	<1.7		1.7		ug/L			07/21/13 00:52	1.67

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*07/20/13 17:48*	*16.67*
4-Bromofluorobenzene (Surr)	*80*		*66 - 117*		*07/21/13 00:52*	*1.67*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*07/20/13 17:48*	*16.67*
Dibromofluoromethane (Surr)	*94*		*75 - 121*		*07/21/13 00:52*	*1.67*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 129*		*07/20/13 17:48*	*16.67*
1,2-Dichloroethane-d4 (Surr)	*83*		*63 - 129*		*07/21/13 00:52*	*1.67*
Toluene-d8 (Surr)	*79*		*74 - 115*		*07/20/13 17:48*	*16.67*
Toluene-d8 (Surr)	*84*		*74 - 115*		*07/21/13 00:52*	*1.67*

Client Sample ID: SEEP G

Lab Sample ID: 240-26814-15

Date Collected: 07/10/13 15:35

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 16:54	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 16:54	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 16:54	1
Bromoform	<1.0		1.0		ug/L			07/19/13 16:54	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 16:54	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 16:54	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 16:54	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 16:54	1
Chloroform	<1.0		1.0		ug/L			07/19/13 16:54	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 16:54	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 16:54	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 16:54	1
cis-1,2-Dichloroethene	**6.4**		1.0		ug/L			07/19/13 16:54	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 16:54	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 16:54	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 16:54	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 16:54	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 16:54	1
1,4-Dioxane	<50		50		ug/L			07/19/13 16:54	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 16:54	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 16:54	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 16:54	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 16:54	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 16:54	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 16:54	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
Styrene	<1.0		1.0		ug/L			07/19/13 16:54	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 16:54	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 16:54	1
Toluene	<1.0		1.0		ug/L			07/19/13 16:54	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 16:54	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:54	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: SEEP G
Date Collected: 07/10/13 15:35
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 16:54	1
Trichloroethene	<1.0		1.0		ug/L			07/19/13 16:54	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 16:54	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 16:54	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*66 - 117*		*07/19/13 16:54*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*07/19/13 16:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 129*		*07/19/13 16:54*	*1*
Toluene-d8 (Surr)	*76*		*74 - 115*		*07/19/13 16:54*	*1*

Client Sample ID: SEEP #2

Lab Sample ID: 240-26814-16

Date Collected: 07/10/13 15:40

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 17:16	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 17:16	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 17:16	1
Bromoform	<1.0		1.0		ug/L			07/19/13 17:16	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 17:16	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 17:16	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 17:16	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 17:16	1
Chloroform	<1.0		1.0		ug/L			07/19/13 17:16	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 17:16	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 17:16	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 17:16	1
cis-1,2-Dichloroethene	**11**		1.0		ug/L			07/19/13 17:16	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 17:16	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 17:16	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,1-Dichloroethene	**1.2**		1.0		ug/L			07/19/13 17:16	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 17:16	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 17:16	1
1,4-Dioxane	<50		50		ug/L			07/19/13 17:16	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 17:16	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 17:16	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 17:16	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 17:16	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 17:16	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 17:16	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
Styrene	<1.0		1.0		ug/L			07/19/13 17:16	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 17:16	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 17:16	1
Toluene	<1.0		1.0		ug/L			07/19/13 17:16	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 17:16	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:16	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: SEEP #2

Lab Sample ID: 240-26814-16

Date Collected: 07/10/13 15:40

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 17:16	1
Trichloroethene	**4.5**		1.0		ug/L			07/19/13 17:16	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 17:16	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 17:16	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*07/19/13 17:16*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 121*		*07/19/13 17:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 129*		*07/19/13 17:16*	*1*
Toluene-d8 (Surr)	*78*		*74 - 115*		*07/19/13 17:16*	*1*

Client Sample ID: SEEP B

Lab Sample ID: 240-26814-17

Date Collected: 07/10/13 15:50

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 17:39	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 17:39	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 17:39	1
Bromoform	<1.0		1.0		ug/L			07/19/13 17:39	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 17:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 17:39	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 17:39	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 17:39	1
Chloroform	<1.0		1.0		ug/L			07/19/13 17:39	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 17:39	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 17:39	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 17:39	1
cis-1,2-Dichloroethene	**5.2**		1.0		ug/L			07/19/13 17:39	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 17:39	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 17:39	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 17:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 17:39	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 17:39	1
1,4-Dioxane	<50		50		ug/L			07/19/13 17:39	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 17:39	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 17:39	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 17:39	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 17:39	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 17:39	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 17:39	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
Styrene	<1.0		1.0		ug/L			07/19/13 17:39	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 17:39	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 17:39	1
Toluene	**1.5**		1.0		ug/L			07/19/13 17:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 17:39	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:39	1

Client Sample ID: SEEP B

Lab Sample ID: 240-26814-17

Date Collected: 07/10/13 15:50

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 17:39	1
Trichloroethene	**1.2**		1.0		ug/L			07/19/13 17:39	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 17:39	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 17:39	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*07/19/13 17:39*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 121*		*07/19/13 17:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 129*		*07/19/13 17:39*	*1*
Toluene-d8 (Surr)	*82*		*74 - 115*		*07/19/13 17:39*	*1*

Client Sample ID: SEEP L

Lab Sample ID: 240-26814-18

Date Collected: 07/10/13 16:00

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 18:01	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 18:01	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 18:01	1
Bromoform	<1.0		1.0		ug/L			07/19/13 18:01	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 18:01	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 18:01	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 18:01	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 18:01	1
Chloroform	<1.0		1.0		ug/L			07/19/13 18:01	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 18:01	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 18:01	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 18:01	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 18:01	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 18:01	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:01	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,4-Dioxane	<50		50		ug/L			07/19/13 18:01	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 18:01	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 18:01	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 18:01	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 18:01	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 18:01	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 18:01	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
Styrene	<1.0		1.0		ug/L			07/19/13 18:01	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 18:01	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 18:01	1
Toluene	<1.0		1.0		ug/L			07/19/13 18:01	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:01	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: SEEP L
Date Collected: 07/10/13 16:00
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 18:01	1
Trichloroethene	<1.0		1.0		ug/L			07/19/13 18:01	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 18:01	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 18:01	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*07/19/13 18:01*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 121*		*07/19/13 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 129*		*07/19/13 18:01*	*1*
Toluene-d8 (Surr)	*78*		*74 - 115*		*07/19/13 18:01*	*1*

Client Sample ID: SEEP I

Lab Sample ID: 240-26814-19

Date Collected: 07/10/13 16:05

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 18:23	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 18:23	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 18:23	1
Bromoform	<1.0		1.0		ug/L			07/19/13 18:23	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 18:23	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 18:23	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 18:23	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 18:23	1
Chloroform	<1.0		1.0		ug/L			07/19/13 18:23	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 18:23	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 18:23	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 18:23	1
cis-1,2-Dichloroethene	**1.3**		1.0		ug/L			07/19/13 18:23	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 18:23	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 18:23	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 18:23	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:23	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 18:23	1
1,4-Dioxane	<50		50		ug/L			07/19/13 18:23	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 18:23	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 18:23	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 18:23	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 18:23	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 18:23	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 18:23	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
Styrene	<1.0		1.0		ug/L			07/19/13 18:23	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 18:23	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 18:23	1
Toluene	<1.0		1.0		ug/L			07/19/13 18:23	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 18:23	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:23	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: SEEP I
Date Collected: 07/10/13 16:05
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-19
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 18:23	1
Trichloroethene	**1.9**		1.0		ug/L			07/19/13 18:23	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 18:23	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 18:23	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*66 - 117*		*07/19/13 18:23*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 121*		*07/19/13 18:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 129*		*07/19/13 18:23*	*1*
Toluene-d8 (Surr)	*78*		*74 - 115*		*07/19/13 18:23*	*1*

Client Sample ID: MB #16

Lab Sample ID: 240-26814-20

Date Collected: 07/10/13 16:15

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 18:45	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 18:45	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 18:45	1
Bromoform	<1.0		1.0		ug/L			07/19/13 18:45	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 18:45	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 18:45	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 18:45	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 18:45	1
Chloroform	<1.0		1.0		ug/L			07/19/13 18:45	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 18:45	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 18:45	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 18:45	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 18:45	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 18:45	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:45	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,4-Dioxane	<50		50		ug/L			07/19/13 18:45	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 18:45	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 18:45	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 18:45	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 18:45	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 18:45	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 18:45	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
Styrene	<1.0		1.0		ug/L			07/19/13 18:45	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 18:45	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 18:45	1
Toluene	<1.0		1.0		ug/L			07/19/13 18:45	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:45	1

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MB #16
Date Collected: 07/10/13 16:15
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-20
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 18:45	1
Trichloroethene	<1.0		1.0		ug/L			07/19/13 18:45	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 18:45	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 18:45	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*07/19/13 18:45*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 121*		*07/19/13 18:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 129*		*07/19/13 18:45*	*1*
Toluene-d8 (Surr)	*79*		*74 - 115*		*07/19/13 18:45*	*1*

Client Sample ID: MB #15

Lab Sample ID: 240-26814-21

Date Collected: 07/10/13 16:30

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 19:08	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 19:08	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 19:08	1
Bromoform	<1.0		1.0		ug/L			07/19/13 19:08	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 19:08	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 19:08	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 19:08	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 19:08	1
Chloroform	<1.0		1.0		ug/L			07/19/13 19:08	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 19:08	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 19:08	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 19:08	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 19:08	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 19:08	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 19:08	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,4-Dioxane	<50		50		ug/L			07/19/13 19:08	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 19:08	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 19:08	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 19:08	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 19:08	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 19:08	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 19:08	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
Styrene	<1.0		1.0		ug/L			07/19/13 19:08	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 19:08	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 19:08	1
Toluene	<1.0		1.0		ug/L			07/19/13 19:08	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:08	1

Client Sample ID: MB #15
Date Collected: 07/10/13 16:30
Date Received: 07/12/13 09:15

Lab Sample ID: 240-26814-21
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 19:08	1
Trichloroethene	<1.0		1.0		ug/L			07/19/13 19:08	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 19:08	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 19:08	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*07/19/13 19:08*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 121*		*07/19/13 19:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*		*07/19/13 19:08*	*1*
Toluene-d8 (Surr)	*79*		*74 - 115*		*07/19/13 19:08*	*1*

Client Sample ID: DUP-2

Lab Sample ID: 240-26814-22

Date Collected: 07/10/13 12:00

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Bromobenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Bromochloromethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Bromodichloromethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Bromoform	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Bromomethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Carbon tetrachloride	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Chlorobenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Chlorodibromomethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Chloroethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Chloroform	**1.9**		1.4		ug/L			07/21/13 01:14	1.43
Chloromethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
2-Chlorotoluene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
4-Chlorotoluene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
cis-1,2-Dichloroethene	**62**		14		ug/L			07/19/13 19:30	14.28
1,2-Dibromo-3-Chloropropane	<2.9		2.9		ug/L			07/21/13 01:14	1.43
1,2-Dibromoethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Dibromomethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,2-Dichlorobenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,3-Dichlorobenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,4-Dichlorobenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Dichlorodifluoromethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,1-Dichloroethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,2-Dichloroethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,1-Dichloroethene	**62**		14		ug/L			07/19/13 19:30	14.28
1,2-Dichloropropane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,3-Dichloropropane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
2,2-Dichloropropane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,1-Dichloropropene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,4-Dioxane	<72		72		ug/L			07/21/13 01:14	1.43
Ethylbenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Hexachlorobutadiene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Isopropylbenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Methylene Chloride	<1.4		1.4		ug/L			07/21/13 01:14	1.43
m-Xylene & p-Xylene	<2.9		2.9		ug/L			07/21/13 01:14	1.43
Naphthalene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
n-Butylbenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
N-Propylbenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
o-Xylene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
p-Isopropyltoluene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
sec-Butylbenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Styrene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
tert-Butylbenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,1,1,2-Tetrachloroethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,1,2,2-Tetrachloroethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Tetrachloroethene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Toluene	**1.4**		1.4		ug/L			07/21/13 01:14	1.43
trans-1,2-Dichloroethene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,2,3-Trichlorobenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: DUP-2

Lab Sample ID: 240-26814-22

Date Collected: 07/10/13 12:00

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,1,1-Trichloroethane	**13**		1.4		ug/L			07/21/13 01:14	1.43
1,1,2-Trichloroethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Trichloroethene	**520**		14		ug/L			07/19/13 19:30	14.28
Trichlorofluoromethane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,2,3-Trichloropropane	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,2,4-Trimethylbenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
1,3,5-Trimethylbenzene	<1.4		1.4		ug/L			07/21/13 01:14	1.43
Vinyl chloride	<1.4		1.4		ug/L			07/21/13 01:14	1.43

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*66 - 117*		*07/19/13 19:30*	*14.28*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*07/21/13 01:14*	*1.43*
Dibromofluoromethane (Surr)	*107*		*75 - 121*		*07/19/13 19:30*	*14.28*
Dibromofluoromethane (Surr)	*101*		*75 - 121*		*07/21/13 01:14*	*1.43*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 129*		*07/19/13 19:30*	*14.28*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 129*		*07/21/13 01:14*	*1.43*
Toluene-d8 (Surr)	*78*		*74 - 115*		*07/19/13 19:30*	*14.28*
Toluene-d8 (Surr)	*81*		*74 - 115*		*07/21/13 01:14*	*1.43*

Client Sample ID: MB #3

Lab Sample ID: 240-26814-23

Date Collected: 07/10/13 16:40

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 19:52	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 19:52	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 19:52	1
Bromoform	<1.0		1.0		ug/L			07/19/13 19:52	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 19:52	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 19:52	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 19:52	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 19:52	1
Chloroform	<1.0		1.0		ug/L			07/19/13 19:52	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 19:52	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 19:52	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 19:52	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 19:52	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 19:52	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 19:52	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,4-Dioxane	<50		50		ug/L			07/19/13 19:52	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 19:52	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 19:52	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 19:52	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 19:52	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 19:52	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 19:52	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
Styrene	<1.0		1.0		ug/L			07/19/13 19:52	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 19:52	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 19:52	1
Toluene	<1.0		1.0		ug/L			07/19/13 19:52	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:52	1

Client Sample ID: MB #3

Lab Sample ID: 240-26814-23

Date Collected: 07/10/13 16:40

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 19:52	1
Trichloroethene	<1.0		1.0		ug/L			07/19/13 19:52	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 19:52	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 19:52	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*66 - 117*		*07/19/13 19:52*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 121*		*07/19/13 19:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 129*		*07/19/13 19:52*	*1*
Toluene-d8 (Surr)	*77*		*74 - 115*		*07/19/13 19:52*	*1*

Client Sample ID: MB #5

Lab Sample ID: 240-26814-24

Date Collected: 07/10/13 16:55

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 20:15	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 20:15	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 20:15	1
Bromoform	<1.0		1.0		ug/L			07/19/13 20:15	1
Bromomethane	<1.0		1.0		ug/L			07/19/13 20:15	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 20:15	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 20:15	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 20:15	1
Chloroform	<1.0		1.0		ug/L			07/19/13 20:15	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 20:15	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 20:15	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 20:15	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 20:15	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 20:15	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 20:15	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,4-Dioxane	<50		50		ug/L			07/19/13 20:15	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 20:15	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 20:15	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 20:15	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 20:15	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 20:15	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 20:15	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
Styrene	<1.0		1.0		ug/L			07/19/13 20:15	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 20:15	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 20:15	1
Toluene	<1.0		1.0		ug/L			07/19/13 20:15	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 20:15	1

Client Sample ID: MB #5

Lab Sample ID: 240-26814-24

Date Collected: 07/10/13 16:55

Matrix: Water

Date Received: 07/12/13 09:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 20:15	1
Trichloroethene	<1.0		1.0		ug/L			07/19/13 20:15	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 20:15	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 20:15	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*66 - 117*		*07/19/13 20:15*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 121*		*07/19/13 20:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*63 - 129*		*07/19/13 20:15*	*1*
Toluene-d8 (Surr)	*87*		*74 - 115*		*07/19/13 20:15*	*1*

Surrogate Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(66-117)	(75-121)	(63-129)	(74-115)
240-26814-2	MW-5	82	108	107	84
240-26814-2	MW-5	80	99	96	81
240-26814-3	MW-3	82	101	105	80
240-26814-4	MW-22	80	105	107	80
240-26814-5	MW-20	83	110	106	83
240-26814-5	MW-20	80	100	96	79
240-26814-6	MW-25	76	102	105	78
240-26814-6	MW-25	78	98	96	79
240-26814-7	MW-27	80	103	102	81
240-26814-8	MW-28	79	102	99	79
240-26814-9	MW-10	77	100	100	76
240-26814-10	MW-14	78	94	92	78
240-26814-10	MW-14	81	107	103	84
240-26814-10 MS	MW-14	100	102	102	88
240-26814-10 MSD	MW-14	105	104	100	91
240-26814-11	DUP-1	83	101	103	81
240-26814-11	DUP-1	76	103	100	79
240-26814-12	MW-19	76	102	105	78
240-26814-12	MW-19	78	104	103	80
240-26814-13	SEEP MANSON BRANCH #2	82	101	101	83
240-26814-14	SEEP H	80	94	83	84
240-26814-14	SEEP H	79	101	100	79
240-26814-15	SEEP G	75	104	100	76
240-26814-16	SEEP #2	79	103	101	78
240-26814-17	SEEP B	83	108	108	82
240-26814-18	SEEP L	79	100	103	78
240-26814-19	SEEP I	78	100	103	78
240-26814-20	MB #16	79	106	108	79
240-26814-21	MB #15	79	105	107	79
240-26814-22	DUP-2	78	107	105	78
240-26814-22	DUP-2	79	101	101	81
240-26814-23	MB #3	77	104	104	77
240-26814-24	MB #5	87	116	115	87
LCS 240-94118/4	Lab Control Sample	92	97	93	93
LCS 240-94286/7	Lab Control Sample	96	99	96	85
LCS 240-94349/7	Lab Control Sample	102	96	94	88
MB 240-94118/6	Method Blank	81	95	97	79
MB 240-94286/6	Method Blank	83	107	107	84
MB 240-94349/6	Method Blank	82	105	104	81

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: WQ **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(66-117)	(75-121)	(63-129)	(74-115)
240-26814-1	TB-070913	82	106	107	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		12DCE
Lab Sample ID	Client Sample ID	(74-120)
240-26814-2	MW-5	104
240-26814-5	MW-20	105
240-26814-6	MW-25	107
240-26814-7	MW-27	99
240-26814-8	MW-28	105
240-26814-10	MW-14	102
240-26814-10 MS	MW-14	105
240-26814-10 MSD	MW-14	104
240-26814-11	DUP-1	105
240-26814-12	MW-19	109
LCS 240-94465/18	Lab Control Sample	103
MB 240-94465/19	Method Blank	110

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-94118/6
Matrix: Water
Analysis Batch: 94118

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/18/13 14:54	1
Bromobenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
Bromochloromethane	<1.0		1.0		ug/L			07/18/13 14:54	1
Bromodichloromethane	<1.0		1.0		ug/L			07/18/13 14:54	1
Bromoform	<1.0		1.0		ug/L			07/18/13 14:54	1
Bromomethane	<1.0		1.0		ug/L			07/18/13 14:54	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/18/13 14:54	1
Chlorobenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/18/13 14:54	1
Chloroethane	<1.0		1.0		ug/L			07/18/13 14:54	1
Chloroform	<1.0		1.0		ug/L			07/18/13 14:54	1
Chloromethane	<1.0		1.0		ug/L			07/18/13 14:54	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 14:54	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/18/13 14:54	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/18/13 14:54	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/18/13 14:54	1
Dibromomethane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/18/13 14:54	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,4-Dioxane	<50		50		ug/L			07/18/13 14:54	1
Ethylbenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/18/13 14:54	1
Isopropylbenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
Methylene Chloride	<1.0		1.0		ug/L			07/18/13 14:54	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/18/13 14:54	1
Naphthalene	<1.0		1.0		ug/L			07/18/13 14:54	1
n-Butylbenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
N-Propylbenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
o-Xylene	<1.0		1.0		ug/L			07/18/13 14:54	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/18/13 14:54	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
Styrene	<1.0		1.0		ug/L			07/18/13 14:54	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/18/13 14:54	1
Tetrachloroethene	<1.0		1.0		ug/L			07/18/13 14:54	1
Toluene	<1.0		1.0		ug/L			07/18/13 14:54	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/18/13 14:54	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-94118/6
Matrix: Water
Analysis Batch: 94118

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/18/13 14:54	1
Trichloroethene	<1.0		1.0		ug/L			07/18/13 14:54	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/18/13 14:54	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/18/13 14:54	1
Vinyl chloride	<1.0		1.0		ug/L			07/18/13 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*66 - 117*		*07/18/13 14:54*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 121*		*07/18/13 14:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 129*		*07/18/13 14:54*	*1*
Toluene-d8 (Surr)	*79*		*74 - 115*		*07/18/13 14:54*	*1*

Lab Sample ID: LCS 240-94118/4
Matrix: Water
Analysis Batch: 94118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.0		ug/L		100	83 - 112
Bromobenzene	10.0	10.2		ug/L		102	76 - 115
Bromochloromethane	10.0	10.2		ug/L		102	77 - 120
Bromodichloromethane	10.0	10.7		ug/L		107	72 - 121
Bromoform	10.0	10.2		ug/L		102	40 - 131
Bromomethane	10.0	9.28		ug/L		93	11 - 185
Carbon tetrachloride	10.0	10.9		ug/L		109	66 - 128
Chlorobenzene	10.0	9.84		ug/L		98	85 - 110
Chlorodibromomethane	10.0	10.5		ug/L		105	64 - 119
Chloroethane	10.0	9.25		ug/L		92	25 - 153
Chloroform	10.0	10.7		ug/L		107	79 - 117
Chloromethane	10.0	8.52		ug/L		85	44 - 126
2-Chlorotoluene	10.0	9.25		ug/L		93	76 - 116
4-Chlorotoluene	10.0	9.70		ug/L		97	77 - 115
cis-1,2-Dichloroethene	10.0	10.4		ug/L		104	80 - 113
1,2-Dibromo-3-Chloropropane	10.0	8.07		ug/L		81	42 - 136
1,2-Dibromoethane	10.0	10.2		ug/L		102	79 - 113
Dibromomethane	10.0	10.7		ug/L		107	81 - 120
1,2-Dichlorobenzene	10.0	8.42		ug/L		84	81 - 110
1,3-Dichlorobenzene	10.0	8.84		ug/L		88	80 - 110
1,4-Dichlorobenzene	10.0	8.78		ug/L		88	82 - 110
Dichlorodifluoromethane	10.0	8.51		ug/L		85	19 - 129
1,1-Dichloroethane	10.0	10.2		ug/L		102	82 - 115
1,2-Dichloroethane	10.0	10.9		ug/L		109	71 - 127
1,1-Dichloroethene	10.0	10.3		ug/L		103	78 - 131
1,2-Dichloropropane	10.0	9.80		ug/L		98	81 - 115

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-94118/4
Matrix: Water
Analysis Batch: 94118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	10.0	9.91		ug/L		99	79 - 116
2,2-Dichloropropane	10.0	10.2		ug/L		102	50 - 129
1,1-Dichloropropene	10.0	10.2		ug/L		102	83 - 114
Ethylbenzene	10.0	9.73		ug/L		97	83 - 112
Hexachlorobutadiene	10.0	5.74		ug/L		57	36 - 134
Isopropylbenzene	10.0	9.08		ug/L		91	75 - 114
Methylene Chloride	10.0	10.5		ug/L		105	66 - 131
m-Xylene & p-Xylene	20.0	19.9		ug/L		100	83 - 113
Naphthalene	10.0	4.86		ug/L		49	32 - 141
n-Butylbenzene	10.0	7.59		ug/L		76	66 - 125
N-Propylbenzene	10.0	9.86		ug/L		99	74 - 121
o-Xylene	10.0	9.62		ug/L		96	83 - 113
p-Isopropyltoluene	10.0	8.69		ug/L		87	74 - 120
sec-Butylbenzene	10.0	8.17		ug/L		82	70 - 117
Styrene	10.0	9.87		ug/L		99	79 - 114
tert-Butylbenzene	10.0	8.53		ug/L		85	71 - 115
1,1,1,2-Tetrachloroethane	10.0	10.1		ug/L		101	72 - 116
1,1,2,2-Tetrachloroethane	10.0	8.93		ug/L		89	68 - 118
Tetrachloroethene	10.0	10.5		ug/L		105	79 - 114
Toluene	10.0	10.1		ug/L		101	84 - 111
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	83 - 117
1,2,3-Trichlorobenzene	10.0	5.33	*	ug/L		53	54 - 126
1,2,4-Trichlorobenzene	10.0	5.73		ug/L		57	48 - 135
1,1,1-Trichloroethane	10.0	10.8		ug/L		108	74 - 118
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	80 - 112
Trichloroethene	10.0	10.2		ug/L		102	76 - 117
Trichlorofluoromethane	10.0	9.99		ug/L		100	49 - 157
1,2,3-Trichloropropane	10.0	10.1		ug/L		101	73 - 129
1,2,4-Trimethylbenzene	10.0	9.09		ug/L		91	76 - 120
1,3,5-Trimethylbenzene	10.0	9.18		ug/L		92	72 - 118
Vinyl chloride	10.0	8.97		ug/L		90	53 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*
Dibromofluoromethane (Surr)	*97*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 129*
Toluene-d8 (Surr)	*93*		*74 - 115*

Lab Sample ID: MB 240-94286/6
Matrix: Water
Analysis Batch: 94286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/19/13 14:19	1
Bromobenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
Bromochloromethane	<1.0		1.0		ug/L			07/19/13 14:19	1
Bromodichloromethane	<1.0		1.0		ug/L			07/19/13 14:19	1
Bromoform	<1.0		1.0		ug/L			07/19/13 14:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-94286/6
Matrix: Water
Analysis Batch: 94286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<1.0		1.0		ug/L			07/19/13 14:19	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/19/13 14:19	1
Chlorobenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/19/13 14:19	1
Chloroethane	<1.0		1.0		ug/L			07/19/13 14:19	1
Chloroform	<1.0		1.0		ug/L			07/19/13 14:19	1
Chloromethane	<1.0		1.0		ug/L			07/19/13 14:19	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 14:19	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/19/13 14:19	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/19/13 14:19	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/19/13 14:19	1
Dibromomethane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/19/13 14:19	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,4-Dioxane	<50		50		ug/L			07/19/13 14:19	1
Ethylbenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/19/13 14:19	1
Isopropylbenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
Methylene Chloride	<1.0		1.0		ug/L			07/19/13 14:19	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/19/13 14:19	1
Naphthalene	<1.0		1.0		ug/L			07/19/13 14:19	1
n-Butylbenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
N-Propylbenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
o-Xylene	<1.0		1.0		ug/L			07/19/13 14:19	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/19/13 14:19	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
Styrene	<1.0		1.0		ug/L			07/19/13 14:19	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/19/13 14:19	1
Tetrachloroethene	<1.0		1.0		ug/L			07/19/13 14:19	1
Toluene	<1.0		1.0		ug/L			07/19/13 14:19	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/19/13 14:19	1
Trichloroethene	<1.0		1.0		ug/L			07/19/13 14:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-94286/6
Matrix: Water
Analysis Batch: 94286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/19/13 14:19	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/19/13 14:19	1
Vinyl chloride	<1.0		1.0		ug/L			07/19/13 14:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*07/19/13 14:19*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 121*		*07/19/13 14:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 129*		*07/19/13 14:19*	*1*
Toluene-d8 (Surr)	*84*		*74 - 115*		*07/19/13 14:19*	*1*

Lab Sample ID: LCS 240-94286/7
Matrix: Water
Analysis Batch: 94286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.1		ug/L		101	83 - 112
Bromobenzene	10.0	9.03		ug/L		90	76 - 115
Bromochloromethane	10.0	11.2		ug/L		112	77 - 120
Bromodichloromethane	10.0	10.7		ug/L		107	72 - 121
Bromoform	10.0	10.0		ug/L		100	40 - 131
Bromomethane	10.0	9.49		ug/L		95	11 - 185
Carbon tetrachloride	10.0	11.1		ug/L		111	66 - 128
Chlorobenzene	10.0	9.39		ug/L		94	85 - 110
Chlorodibromomethane	10.0	9.46		ug/L		95	64 - 119
Chloroethane	10.0	7.96		ug/L		80	25 - 153
Chloroform	10.0	10.9		ug/L		109	79 - 117
Chloromethane	10.0	9.24		ug/L		92	44 - 126
2-Chlorotoluene	10.0	9.08		ug/L		91	76 - 116
4-Chlorotoluene	10.0	9.23		ug/L		92	77 - 115
cis-1,2-Dichloroethene	10.0	10.4		ug/L		104	80 - 113
1,2-Dibromo-3-Chloropropane	10.0	7.98		ug/L		80	42 - 136
1,2-Dibromoethane	10.0	9.66		ug/L		97	79 - 113
Dibromomethane	10.0	11.0		ug/L		110	81 - 120
1,2-Dichlorobenzene	10.0	8.78		ug/L		88	81 - 110
1,3-Dichlorobenzene	10.0	8.89		ug/L		89	80 - 110
1,4-Dichlorobenzene	10.0	8.76		ug/L		88	82 - 110
Dichlorodifluoromethane	10.0	11.4		ug/L		114	19 - 129
1,1-Dichloroethane	10.0	10.5		ug/L		105	82 - 115
1,2-Dichloroethane	10.0	11.1		ug/L		111	71 - 127
1,1-Dichloroethene	10.0	10.4		ug/L		104	78 - 131
1,2-Dichloropropane	10.0	9.92		ug/L		99	81 - 115
1,3-Dichloropropane	10.0	9.23		ug/L		92	79 - 116
2,2-Dichloropropane	10.0	10.2		ug/L		102	50 - 129
1,1-Dichloropropene	10.0	10.4		ug/L		104	83 - 114
Ethylbenzene	10.0	9.59		ug/L		96	83 - 112
Hexachlorobutadiene	10.0	7.03		ug/L		70	36 - 134

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-94286/7
Matrix: Water
Analysis Batch: 94286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	10.0	9.87		ug/L		99	75 - 114
Methylene Chloride	10.0	11.2		ug/L		112	66 - 131
m-Xylene & p-Xylene	20.0	19.7		ug/L		98	83 - 113
Naphthalene	10.0	5.11		ug/L		51	32 - 141
n-Butylbenzene	10.0	8.62		ug/L		86	66 - 125
N-Propylbenzene	10.0	9.34		ug/L		93	74 - 121
o-Xylene	10.0	9.61		ug/L		96	83 - 113
p-Isopropyltoluene	10.0	9.62		ug/L		96	74 - 120
sec-Butylbenzene	10.0	8.78		ug/L		88	70 - 117
Styrene	10.0	10.2		ug/L		102	79 - 114
tert-Butylbenzene	10.0	8.78		ug/L		88	71 - 115
1,1,1,2-Tetrachloroethane	10.0	9.98		ug/L		100	72 - 116
1,1,2,2-Tetrachloroethane	10.0	8.16		ug/L		82	68 - 118
Tetrachloroethene	10.0	10.0		ug/L		100	79 - 114
Toluene	10.0	9.35		ug/L		94	84 - 111
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	83 - 117
1,2,3-Trichlorobenzene	10.0	5.52		ug/L		55	54 - 126
1,2,4-Trichlorobenzene	10.0	6.24		ug/L		62	48 - 135
1,1,1-Trichloroethane	10.0	10.8		ug/L		108	74 - 118
1,1,2-Trichloroethane	10.0	9.58		ug/L		96	80 - 112
Trichloroethene	10.0	10.7		ug/L		107	76 - 117
Trichlorofluoromethane	10.0	10.4		ug/L		104	49 - 157
1,2,3-Trichloropropane	10.0	8.60		ug/L		86	73 - 129
1,2,4-Trimethylbenzene	10.0	9.39		ug/L		94	76 - 120
1,3,5-Trimethylbenzene	10.0	9.27		ug/L		93	72 - 118
Vinyl chloride	10.0	9.67		ug/L		97	53 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*
Dibromofluoromethane (Surr)	*99*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*
Toluene-d8 (Surr)	*85*		*74 - 115*

Lab Sample ID: 240-26814-10 MS
Matrix: Water
Analysis Batch: 94286

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<100		1000	1000		ug/L		100	72 - 121
Bromobenzene	<100		1000	853		ug/L		85	71 - 116
Bromochloromethane	<100		1000	1070		ug/L		107	73 - 121
Bromodichloromethane	<100		1000	1100		ug/L		110	67 - 120
Bromoform	<100		1000	978		ug/L		98	32 - 128
Bromomethane	<100		1000	1090		ug/L		109	10 - 186
Carbon tetrachloride	<100		1000	1140		ug/L		114	59 - 129
Chlorobenzene	<100		1000	925		ug/L		92	80 - 110
Chlorodibromomethane	<100		1000	954		ug/L		95	56 - 118
Chloroethane	<100		1000	1140		ug/L		114	21 - 165

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-26814-10 MS
Matrix: Water
Analysis Batch: 94286

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	<100		1000	1080		ug/L		108	76 - 118
Chloromethane	<100		1000	887		ug/L		89	33 - 132
2-Chlorotoluene	<100		1000	855		ug/L		85	69 - 117
4-Chlorotoluene	<100		1000	871		ug/L		87	71 - 116
cis-1,2-Dichloroethene	320		1000	1360		ug/L		104	70 - 120
1,2-Dibromo-3-Chloropropane	<200		1000	667		ug/L		67	32 - 139
1,2-Dibromoethane	<100		1000	950		ug/L		95	74 - 113
Dibromomethane	<100		1000	1110		ug/L		111	77 - 121
1,2-Dichlorobenzene	<100		1000	840		ug/L		81	75 - 111
1,3-Dichlorobenzene	<100		1000	837		ug/L		81	73 - 110
1,4-Dichlorobenzene	<100		1000	837		ug/L		82	75 - 110
Dichlorodifluoromethane	<100		1000	1010		ug/L		101	17 - 128
1,1-Dichloroethane	<100		1000	1030		ug/L		103	79 - 116
1,2-Dichloroethane	<100		1000	1110		ug/L		111	68 - 129
1,1-Dichloroethene	<100		1000	1070		ug/L		101	74 - 135
1,2-Dichloropropane	<100		1000	975		ug/L		98	78 - 115
1,3-Dichloropropane	<100		1000	894		ug/L		89	74 - 118
2,2-Dichloropropane	<100		1000	1030		ug/L		103	38 - 127
1,1-Dichloropropene	<100		1000	1020		ug/L		102	80 - 114
Ethylbenzene	<100		1000	960		ug/L		96	75 - 116
Hexachlorobutadiene	120		1000	665		ug/L		55	27 - 132
Isopropylbenzene	<100		1000	976		ug/L		98	68 - 116
Methylene Chloride	<100		1000	1060		ug/L		99	63 - 128
m-Xylene & p-Xylene	<200		2000	1970		ug/L		99	75 - 117
Naphthalene	<100		1000	386		ug/L		30	15 - 158
n-Butylbenzene	<100		1000	780		ug/L		76	56 - 127
N-Propylbenzene	<100		1000	888		ug/L		89	64 - 124
o-Xylene	<100		1000	965		ug/L		97	76 - 116
p-Isopropyltoluene	<100		1000	895		ug/L		90	64 - 122
sec-Butylbenzene	<100		1000	816		ug/L		82	60 - 119
Styrene	<100		1000	1020		ug/L		102	71 - 117
tert-Butylbenzene	<100		1000	825		ug/L		83	61 - 119
1,1,1,2-Tetrachloroethane	<100		1000	1050		ug/L		105	64 - 118
1,1,2,2-Tetrachloroethane	<100		1000	717		ug/L		72	63 - 122
Tetrachloroethene	<100		1000	1030		ug/L		103	70 - 117
Toluene	<100		1000	944		ug/L		94	78 - 114
trans-1,2-Dichloroethene	<100		1000	1020		ug/L		102	80 - 119
1,2,3-Trichlorobenzene	100		1000	452	F	ug/L		35	45 - 129
1,2,4-Trichlorobenzene	130		1000	555		ug/L		42	38 - 138
1,1,1-Trichloroethane	<100		1000	1130		ug/L		113	68 - 121
1,1,2-Trichloroethane	<100		1000	938		ug/L		94	75 - 115
Trichloroethene	2900		1000	4040	E	ug/L		110	66 - 120
Trichlorofluoromethane	<100		1000	1130		ug/L		113	46 - 157
1,2,3-Trichloropropane	<100		1000	785		ug/L		78	67 - 132
1,2,4-Trimethylbenzene	<100		1000	887		ug/L		89	67 - 124
1,3,5-Trimethylbenzene	<100		1000	879		ug/L		88	63 - 121
Vinyl chloride	<100		1000	959		ug/L		96	49 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-26814-10 MS
Matrix: Water
Analysis Batch: 94286

Client Sample ID: MW-14
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*66 - 117*
Dibromofluoromethane (Surr)	*102*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 129*
Toluene-d8 (Surr)	*88*		*74 - 115*

Lab Sample ID: 240-26814-10 MSD
Matrix: Water
Analysis Batch: 94286

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<100		1000	1020		ug/L		102	72 - 121	2	30
Bromobenzene	<100		1000	922		ug/L		92	71 - 116	8	30
Bromochloromethane	<100		1000	1080		ug/L		108	73 - 121	2	30
Bromodichloromethane	<100		1000	1150		ug/L		115	67 - 120	4	30
Bromoform	<100		1000	957		ug/L		96	32 - 128	2	30
Bromomethane	<100		1000	1150		ug/L		115	10 - 186	5	30
Carbon tetrachloride	<100		1000	1150		ug/L		115	59 - 129	1	30
Chlorobenzene	<100		1000	965		ug/L		97	80 - 110	4	30
Chlorodibromomethane	<100		1000	1010		ug/L		101	56 - 118	6	30
Chloroethane	<100		1000	1220		ug/L		122	21 - 165	7	30
Chloroform	<100		1000	1080		ug/L		108	76 - 118	0	30
Chloromethane	<100		1000	949		ug/L		95	33 - 132	7	30
2-Chlorotoluene	<100		1000	912		ug/L		91	69 - 117	6	30
4-Chlorotoluene	<100		1000	919		ug/L		92	71 - 116	5	30
cis-1,2-Dichloroethene	320		1000	1420		ug/L		110	70 - 120	4	30
1,2-Dibromo-3-Chloropropane	<200		1000	794		ug/L		79	32 - 139	17	30
1,2-Dibromoethane	<100		1000	984		ug/L		98	74 - 113	3	30
Dibromomethane	<100		1000	1130		ug/L		113	77 - 121	1	30
1,2-Dichlorobenzene	<100		1000	900		ug/L		87	75 - 111	7	30
1,3-Dichlorobenzene	<100		1000	917		ug/L		89	73 - 110	9	30
1,4-Dichlorobenzene	<100		1000	874		ug/L		85	75 - 110	4	30
Dichlorodifluoromethane	<100		1000	1030		ug/L		103	17 - 128	2	30
1,1-Dichloroethane	<100		1000	1070		ug/L		107	79 - 116	4	30
1,2-Dichloroethane	<100		1000	1120		ug/L		112	68 - 129	1	30
1,1-Dichloroethene	<100		1000	1080		ug/L		103	74 - 135	1	30
1,2-Dichloropropane	<100		1000	1010		ug/L		101	78 - 115	3	30
1,3-Dichloropropane	<100		1000	921		ug/L		92	74 - 118	3	30
2,2-Dichloropropane	<100		1000	1040		ug/L		104	38 - 127	1	30
1,1-Dichloropropene	<100		1000	1040		ug/L		104	80 - 114	2	30
Ethylbenzene	<100		1000	979		ug/L		98	75 - 116	2	30
Hexachlorobutadiene	120		1000	740		ug/L		62	27 - 132	11	30
Isopropylbenzene	<100		1000	990		ug/L		99	68 - 116	1	30
Methylene Chloride	<100		1000	1060		ug/L		99	63 - 128	0	30
m-Xylene & p-Xylene	<200		2000	2050		ug/L		103	75 - 117	4	30
Naphthalene	<100		1000	552	F	ug/L		47	15 - 158	35	30
n-Butylbenzene	<100		1000	833		ug/L		81	56 - 127	7	30
N-Propylbenzene	<100		1000	897		ug/L		90	64 - 124	1	30
o-Xylene	<100		1000	996		ug/L		100	76 - 116	3	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-26814-10 MSD
Matrix: Water
Analysis Batch: 94286

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	<100		1000	931		ug/L		93	64 - 122	4	30
sec-Butylbenzene	<100		1000	838		ug/L		84	60 - 119	3	30
Styrene	<100		1000	1050		ug/L		105	71 - 117	3	30
tert-Butylbenzene	<100		1000	865		ug/L		87	61 - 119	5	30
1,1,1,2-Tetrachloroethane	<100		1000	1060		ug/L		106	64 - 118	2	30
1,1,2,2-Tetrachloroethane	<100		1000	767		ug/L		77	63 - 122	7	30
Tetrachloroethene	<100		1000	1030		ug/L		103	70 - 117	0	30
Toluene	<100		1000	960		ug/L		96	78 - 114	2	30
trans-1,2-Dichloroethene	<100		1000	1030		ug/L		103	80 - 119	0	30
1,2,3-Trichlorobenzene	100		1000	610		ug/L		51	45 - 129	30	30
1,2,4-Trichlorobenzene	130		1000	667		ug/L		53	38 - 138	18	30
1,1,1-Trichloroethane	<100		1000	1140		ug/L		114	68 - 121	1	30
1,1,2-Trichloroethane	<100		1000	973		ug/L		97	75 - 115	4	30
Trichloroethene	2900		1000	4040	E	ug/L		110	66 - 120	0	30
Trichlorofluoromethane	<100		1000	1140		ug/L		114	46 - 157	1	30
1,2,3-Trichloropropane	<100		1000	803		ug/L		80	67 - 132	2	30
1,2,4-Trimethylbenzene	<100		1000	935		ug/L		93	67 - 124	5	30
1,3,5-Trimethylbenzene	<100		1000	910		ug/L		91	63 - 121	3	30
Vinyl chloride	<100		1000	983		ug/L		98	49 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*66 - 117*
Dibromofluoromethane (Surr)	*104*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 129*
Toluene-d8 (Surr)	*91*		*74 - 115*

Lab Sample ID: MB 240-94349/6
Matrix: Water
Analysis Batch: 94349

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			07/20/13 16:08	1
Bromobenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
Bromochloromethane	<1.0		1.0		ug/L			07/20/13 16:08	1
Bromodichloromethane	<1.0		1.0		ug/L			07/20/13 16:08	1
Bromoform	<1.0		1.0		ug/L			07/20/13 16:08	1
Bromomethane	<1.0		1.0		ug/L			07/20/13 16:08	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/20/13 16:08	1
Chlorobenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/20/13 16:08	1
Chloroethane	<1.0		1.0		ug/L			07/20/13 16:08	1
Chloroform	<1.0		1.0		ug/L			07/20/13 16:08	1
Chloromethane	<1.0		1.0		ug/L			07/20/13 16:08	1
2-Chlorotoluene	<1.0		1.0		ug/L			07/20/13 16:08	1
4-Chlorotoluene	<1.0		1.0		ug/L			07/20/13 16:08	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,2-Dibromo-3-Chloropropane	<2.0		2.0		ug/L			07/20/13 16:08	1
1,2-Dibromoethane	<1.0		1.0		ug/L			07/20/13 16:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-94349/6
Matrix: Water
Analysis Batch: 94349

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,2-Dichlorobenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,3-Dichlorobenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,4-Dichlorobenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,3-Dichloropropane	<1.0		1.0		ug/L			07/20/13 16:08	1
2,2-Dichloropropane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,1-Dichloropropene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,4-Dioxane	<50		50		ug/L			07/20/13 16:08	1
Ethylbenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
Hexachlorobutadiene	<1.0		1.0		ug/L			07/20/13 16:08	1
Isopropylbenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
Methylene Chloride	<1.0		1.0		ug/L			07/20/13 16:08	1
m-Xylene & p-Xylene	<2.0		2.0		ug/L			07/20/13 16:08	1
Naphthalene	<1.0		1.0		ug/L			07/20/13 16:08	1
n-Butylbenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
N-Propylbenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
o-Xylene	<1.0		1.0		ug/L			07/20/13 16:08	1
p-Isopropyltoluene	<1.0		1.0		ug/L			07/20/13 16:08	1
sec-Butylbenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
Styrene	<1.0		1.0		ug/L			07/20/13 16:08	1
tert-Butylbenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/20/13 16:08	1
Tetrachloroethene	<1.0		1.0		ug/L			07/20/13 16:08	1
Toluene	<1.0		1.0		ug/L			07/20/13 16:08	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,2,3-Trichlorobenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,2,4-Trichlorobenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/20/13 16:08	1
Trichloroethene	<1.0		1.0		ug/L			07/20/13 16:08	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/20/13 16:08	1
1,2,4-Trimethylbenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
1,3,5-Trimethylbenzene	<1.0		1.0		ug/L			07/20/13 16:08	1
Vinyl chloride	<1.0		1.0		ug/L			07/20/13 16:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*07/20/13 16:08*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 121*		*07/20/13 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 129*		*07/20/13 16:08*	*1*
Toluene-d8 (Surr)	*81*		*74 - 115*		*07/20/13 16:08*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-94349/7
Matrix: Water
Analysis Batch: 94349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.5		ug/L		105	83 - 112
Bromobenzene	10.0	9.24		ug/L		92	76 - 115
Bromochloromethane	10.0	11.7		ug/L		117	77 - 120
Bromodichloromethane	10.0	11.7		ug/L		117	72 - 121
Bromoform	10.0	11.1		ug/L		111	40 - 131
Bromomethane	10.0	10.3		ug/L		103	11 - 185
Carbon tetrachloride	10.0	12.1		ug/L		121	66 - 128
Chlorobenzene	10.0	10.2		ug/L		102	85 - 110
Chlorodibromomethane	10.0	10.7		ug/L		107	64 - 119
Chloroethane	10.0	8.35		ug/L		83	25 - 153
Chloroform	10.0	11.3		ug/L		113	79 - 117
Chloromethane	10.0	9.33		ug/L		93	44 - 126
2-Chlorotoluene	10.0	9.16		ug/L		92	76 - 116
4-Chlorotoluene	10.0	9.46		ug/L		95	77 - 115
cis-1,2-Dichloroethene	10.0	11.1		ug/L		111	80 - 113
1,2-Dibromo-3-Chloropropane	10.0	7.38		ug/L		74	42 - 136
1,2-Dibromoethane	10.0	10.3		ug/L		103	79 - 113
Dibromomethane	10.0	11.8		ug/L		118	81 - 120
1,2-Dichlorobenzene	10.0	8.97		ug/L		90	81 - 110
1,3-Dichlorobenzene	10.0	9.21		ug/L		92	80 - 110
1,4-Dichlorobenzene	10.0	8.97		ug/L		90	82 - 110
Dichlorodifluoromethane	10.0	12.4		ug/L		124	19 - 129
1,1-Dichloroethane	10.0	10.9		ug/L		109	82 - 115
1,2-Dichloroethane	10.0	11.8		ug/L		118	71 - 127
1,1-Dichloroethene	10.0	10.9		ug/L		109	78 - 131
1,2-Dichloropropane	10.0	10.2		ug/L		102	81 - 115
1,3-Dichloropropane	10.0	9.74		ug/L		97	79 - 116
2,2-Dichloropropane	10.0	11.5		ug/L		115	50 - 129
1,1-Dichloropropene	10.0	11.1		ug/L		111	83 - 114
Ethylbenzene	10.0	10.2		ug/L		102	83 - 112
Hexachlorobutadiene	10.0	7.53		ug/L		75	36 - 134
Isopropylbenzene	10.0	10.7		ug/L		107	75 - 114
Methylene Chloride	10.0	10.3		ug/L		103	66 - 131
m-Xylene & p-Xylene	20.0	21.7		ug/L		109	83 - 113
Naphthalene	10.0	4.90		ug/L		49	32 - 141
n-Butylbenzene	10.0	8.95		ug/L		90	66 - 125
N-Propylbenzene	10.0	9.51		ug/L		95	74 - 121
o-Xylene	10.0	10.6		ug/L		106	83 - 113
p-Isopropyltoluene	10.0	10.0		ug/L		100	74 - 120
sec-Butylbenzene	10.0	8.96		ug/L		90	70 - 117
Styrene	10.0	10.9		ug/L		109	79 - 114
tert-Butylbenzene	10.0	8.95		ug/L		90	71 - 115
1,1,1,2-Tetrachloroethane	10.0	11.3		ug/L		113	72 - 116
1,1,2,2-Tetrachloroethane	10.0	7.73		ug/L		77	68 - 118
Tetrachloroethene	10.0	11.0		ug/L		110	79 - 114
Toluene	10.0	9.96		ug/L		100	84 - 111
trans-1,2-Dichloroethene	10.0	11.0		ug/L		110	83 - 117
1,2,3-Trichlorobenzene	10.0	5.47		ug/L		55	54 - 126

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-94349/7 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 94349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	6.44		ug/L		64	48 - 135
1,1,1-Trichloroethane	10.0	11.7		ug/L		117	74 - 118
1,1,2-Trichloroethane	10.0	10.2		ug/L		102	80 - 112
Trichloroethene	10.0	11.5		ug/L		115	76 - 117
Trichlorofluoromethane	10.0	11.9		ug/L		119	49 - 157
1,2,3-Trichloropropane	10.0	8.42		ug/L		84	73 - 129
1,2,4-Trimethylbenzene	10.0	9.60		ug/L		96	76 - 120
1,3,5-Trimethylbenzene	10.0	9.62		ug/L		96	72 - 118
Vinyl chloride	10.0	10.2		ug/L		102	53 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*66 - 117*
Dibromofluoromethane (Surr)	*96*		*75 - 121*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 129*
Toluene-d8 (Surr)	*88*		*74 - 115*

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-94465/19 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 94465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<2.0		2.0		ug/L			07/20/13 20:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*74 - 120*		*07/20/13 20:37*	*1*

Lab Sample ID: LCS 240-94465/18 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 94465

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	10.0	9.45		ug/L		95	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 120*

Lab Sample ID: 240-26814-10 MS — **Client Sample ID: MW-14**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 94465

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	<2.0		10.0	10.2		ug/L		102	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*74 - 120*

Method: 8260B SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-26814-10 MSD
Matrix: Water
Analysis Batch: 94465

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	<2.0		10.0	9.73		ug/L		97	50 - 150	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*74 - 120*

GC/MS VOA

Analysis Batch: 94118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26814-1	TB-070913	Total/NA	WQ	8260B	
240-26814-2	MW-5	Total/NA	Water	8260B	
240-26814-3	MW-3	Total/NA	Water	8260B	
240-26814-4	MW-22	Total/NA	Water	8260B	
240-26814-5	MW-20	Total/NA	Water	8260B	
240-26814-6	MW-25	Total/NA	Water	8260B	
240-26814-7	MW-27	Total/NA	Water	8260B	
240-26814-8	MW-28	Total/NA	Water	8260B	
240-26814-9	MW-10	Total/NA	Water	8260B	
240-26814-12	MW-19	Total/NA	Water	8260B	
LCS 240-94118/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-94118/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 94286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26814-10	MW-14	Total/NA	Water	8260B	
240-26814-10 MS	MW-14	Total/NA	Water	8260B	
240-26814-10 MSD	MW-14	Total/NA	Water	8260B	
240-26814-11	DUP-1	Total/NA	Water	8260B	
240-26814-13	SEEP MANSON BRANCH #2	Total/NA	Water	8260B	
240-26814-15	SEEP G	Total/NA	Water	8260B	
240-26814-16	SEEP #2	Total/NA	Water	8260B	
240-26814-17	SEEP B	Total/NA	Water	8260B	
240-26814-18	SEEP L	Total/NA	Water	8260B	
240-26814-19	SEEP I	Total/NA	Water	8260B	
240-26814-20	MB #16	Total/NA	Water	8260B	
240-26814-21	MB #15	Total/NA	Water	8260B	
240-26814-22	DUP-2	Total/NA	Water	8260B	
240-26814-23	MB #3	Total/NA	Water	8260B	
240-26814-24	MB #5	Total/NA	Water	8260B	
LCS 240-94286/7	Lab Control Sample	Total/NA	Water	8260B	
MB 240-94286/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 94349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26814-2	MW-5	Total/NA	Water	8260B	
240-26814-5	MW-20	Total/NA	Water	8260B	
240-26814-6	MW-25	Total/NA	Water	8260B	
240-26814-10	MW-14	Total/NA	Water	8260B	
240-26814-11	DUP-1	Total/NA	Water	8260B	
240-26814-12	MW-19	Total/NA	Water	8260B	
240-26814-14	SEEP H	Total/NA	Water	8260B	
240-26814-14	SEEP H	Total/NA	Water	8260B	
240-26814-22	DUP-2	Total/NA	Water	8260B	
LCS 240-94349/7	Lab Control Sample	Total/NA	Water	8260B	
MB 240-94349/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 94465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26814-2	MW-5	Total/NA	Water	8260B SIM	
240-26814-5	MW-20	Total/NA	Water	8260B SIM	

GC/MS VOA (Continued)

Analysis Batch: 94465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-26814-6	MW-25	Total/NA	Water	8260B SIM	
240-26814-7	MW-27	Total/NA	Water	8260B SIM	
240-26814-8	MW-28	Total/NA	Water	8260B SIM	
240-26814-10	MW-14	Total/NA	Water	8260B SIM	
240-26814-10 MS	MW-14	Total/NA	Water	8260B SIM	
240-26814-10 MSD	MW-14	Total/NA	Water	8260B SIM	
240-26814-11	DUP-1	Total/NA	Water	8260B SIM	
240-26814-12	MW-19	Total/NA	Water	8260B SIM	
LCS 240-94465/18	Lab Control Sample	Total/NA	Water	8260B SIM	
MB 240-94465/19	Method Blank	Total/NA	Water	8260B SIM	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: TB-070913 — Lab Sample ID: 240-26814-1

Date Collected: 07/09/13 10:00 — **Matrix: WQ**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94118	07/18/13 17:11	LRW	TAL CAN

Client Sample ID: MW-5 — Lab Sample ID: 240-26814-2

Date Collected: 07/09/13 15:00 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	94118	07/18/13 17:33	LRW	TAL CAN
Total/NA	Analysis	8260B		1	94349	07/20/13 22:39	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	94465	07/20/13 21:00	SAM	TAL CAN

Client Sample ID: MW-3 — Lab Sample ID: 240-26814-3

Date Collected: 07/09/13 11:20 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94118	07/18/13 17:56	LRW	TAL CAN

Client Sample ID: MW-22 — Lab Sample ID: 240-26814-4

Date Collected: 07/09/13 18:35 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94118	07/18/13 18:18	LRW	TAL CAN

Client Sample ID: MW-20 — Lab Sample ID: 240-26814-5

Date Collected: 07/09/13 12:35 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		12.5	94118	07/18/13 18:40	LRW	TAL CAN
Total/NA	Analysis	8260B		1.25	94349	07/20/13 23:01	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	94465	07/20/13 21:24	SAM	TAL CAN

Client Sample ID: MW-25 — Lab Sample ID: 240-26814-6

Date Collected: 07/09/13 17:10 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		125	94118	07/18/13 19:03	LRW	TAL CAN
Total/NA	Analysis	8260B		12.5	94349	07/20/13 23:23	LRW	TAL CAN

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MW-25 — Lab Sample ID: 240-26814-6

Date Collected: 07/09/13 17:10 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	94465	07/20/13 21:46	SAM	TAL CAN

Client Sample ID: MW-27 — Lab Sample ID: 240-26814-7

Date Collected: 07/10/13 09:55 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94118	07/18/13 19:25	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	94465	07/20/13 22:09	SAM	TAL CAN

Client Sample ID: MW-28 — Lab Sample ID: 240-26814-8

Date Collected: 07/10/13 10:17 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94118	07/18/13 19:47	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	94465	07/20/13 22:33	SAM	TAL CAN

Client Sample ID: MW-10 — Lab Sample ID: 240-26814-9

Date Collected: 07/10/13 12:46 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94118	07/18/13 20:09	LRW	TAL CAN

Client Sample ID: MW-14 — Lab Sample ID: 240-26814-10

Date Collected: 07/10/13 11:35 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	94286	07/19/13 15:24	LRW	TAL CAN
Total/NA	Analysis	8260B		10	94349	07/20/13 23:45	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	94465	07/20/13 22:56	SAM	TAL CAN

Client Sample ID: DUP-1 — Lab Sample ID: 240-26814-11

Date Collected: 07/10/13 12:00 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	94286	07/19/13 15:47	LRW	TAL CAN
Total/NA	Analysis	8260B		10	94349	07/21/13 00:07	LRW	TAL CAN

Client Sample ID: DUP-1 — Lab Sample ID: 240-26814-11

Date Collected: 07/10/13 12:00 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	94465	07/21/13 00:07	SAM	TAL CAN

Client Sample ID: MW-19 — Lab Sample ID: 240-26814-12

Date Collected: 07/10/13 13:22 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		142.86	94118	07/18/13 21:16	LRW	TAL CAN
Total/NA	Analysis	8260B		14.28	94349	07/21/13 00:30	LRW	TAL CAN
Total/NA	Analysis	8260B SIM		1	94465	07/21/13 00:30	SAM	TAL CAN

Client Sample ID: SEEP MANSON BRANCH #2 — Lab Sample ID: 240-26814-13

Date Collected: 07/10/13 15:02 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 16:09	LRW	TAL CAN

Client Sample ID: SEEP H — Lab Sample ID: 240-26814-14

Date Collected: 07/10/13 15:12 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.67	94349	07/21/13 00:52	LRW	TAL CAN
Total/NA	Analysis	8260B		16.67	94349	07/20/13 17:48	LRW	TAL CAN

Client Sample ID: SEEP G — Lab Sample ID: 240-26814-15

Date Collected: 07/10/13 15:35 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 16:54	LRW	TAL CAN

Client Sample ID: SEEP #2 — Lab Sample ID: 240-26814-16

Date Collected: 07/10/13 15:40 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 17:16	LRW	TAL CAN

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: SEEP B — Lab Sample ID: 240-26814-17

Date Collected: 07/10/13 15:50 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 17:39	LRW	TAL CAN

Client Sample ID: SEEP L — Lab Sample ID: 240-26814-18

Date Collected: 07/10/13 16:00 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 18:01	LRW	TAL CAN

Client Sample ID: SEEP I — Lab Sample ID: 240-26814-19

Date Collected: 07/10/13 16:05 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 18:23	LRW	TAL CAN

Client Sample ID: MB #16 — Lab Sample ID: 240-26814-20

Date Collected: 07/10/13 16:15 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 18:45	LRW	TAL CAN

Client Sample ID: MB #15 — Lab Sample ID: 240-26814-21

Date Collected: 07/10/13 16:30 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 19:08	LRW	TAL CAN

Client Sample ID: DUP-2 — Lab Sample ID: 240-26814-22

Date Collected: 07/10/13 12:00 — **Matrix: Water**
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		14.28	94286	07/19/13 19:30	LRW	TAL CAN
Total/NA	Analysis	8260B		1.43	94349	07/21/13 01:14	LRW	TAL CAN

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Client Sample ID: MB #3

Lab Sample ID: 240-26814-23

Date Collected: 07/10/13 16:40
Matrix: Water
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 19:52	LRW	TAL CAN

Client Sample ID: MB #5

Lab Sample ID: 240-26814-24

Date Collected: 07/10/13 16:55
Matrix: Water
Date Received: 07/12/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	94286	07/19/13 20:15	LRW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: TK LOUISVILLE, LOUISVILLE, GA

TestAmerica Job ID: 240-26814-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-14
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13 *
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
Wisconsin	State Program	5	999518190	08-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client: AMEC E+I	Project Manager: Rhonda Quinn / Greg Wrenn	Date: 7/11/13	Chain of Custody Number: 006958
Address: 1075 Big Shanty Rd Ste 100	Telephone Number (Area Code)/Fax Number: 770-421-3400	Lab Number:	Page 1 of 2
City: Kennesaw; State: GA; Zip Code: 30144	Site Contact:	Lab Contact: ~~Patrick~~	
Project Name and Location (State): TK Louisville, Louisville, GA	Carrier/Waybill Number: FedEx 833261318332		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC 8260B	1,4-Dioxane (SIM)
TB-070913	7/9/13	1000		X						X			2	
MW-5		1500		X						X			2	2
MW-3		1120		X						X			3	
MW-22		1835		X						X			3	
MW-20		1235		X						X			3	3
MW-25		1710		X						X			3	3
MW-27	7/10/13	0955		X						X			2	2
MW-28		1017		X						X			2	2
MW-10		1246		X						X			3	
MW-14		1135		X						X			3	3
DUP-1		1200		X						X			3	3
MW-19		1322		X						X			3	3

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

240-26814 Chain of Custody

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [ ] Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel L Howard	7/11/13	1245	1. Received By: [signature]	7/12/13	915
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0408)

Client: AMEC E&I	Project Manager: Rhonda Quinn / Greg Wrenn	Date: 7/11/13	Chain of Custody Number: 006959
Address: 1075 Big Shanty Rd Ste 100	Telephone Number (Area Code)/Fax Number: 770-421-3400	Lab Number	Page 2 of 2
City: Kennesaw; State: GA; Zip Code: 30144	Site Contact	Lab Contact	
Project Name and Location (State): TK Louisville, Louisville, GA	Carrier/Waybill Number: FedEx 833261318332		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC + 1,4 Dioxane 8260B	Special Instructions/ Conditions of Receipt
~~M~~ pH Seep Manson Branch #2	7/10/13	1502		X						X			3	
Seep H		1512		X						X			3	
Seep G		1535		X						X			3	
Seep #2		1540		X						X			3	
Seep B		1550		X						X			3	
Seep L		1600		X						X			3	
Seep I		1605		X						X			3	
MB #16		1615		X						X			3	
MB #15		1630		X						X			3	
DUP-2		1200		X						X			3	
MB #3		1640		X						X			3	
MB #5		1655		X						X			3	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel R Howard	7/11/13	1245	1. Received By: [signature]	7/12/13	905
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 26814**
Canton Facility

Client AMEC E+I Site Name _____ Cooler unpacked by: Terell

Cooler Received on 7-12-13 Opened on 7-12-13

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF -1 °C) Observed Cooler Temp. 3.2 °C	Corrected Cooler Temp. 2.2 °C	
IR GUN# 4	(CF 0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	☐ See Multiple Cooler Form
IR GUN# 5	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF -0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 Yes No
   - -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   - -Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC376062
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: Terell

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____.

FIELD SAMPLING FORMS

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
3200 TOWN POINT DRIVE SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep** MB#2 DEPTH TO PRODUCT:_____ DATE: 4/11/13

PURGE METHOD: NA TIME: 1244 Sample time

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1242		4.66	17.5	.11	43.6	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Cloudy warm
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: Eur. G.	OBSERVER: Mark A.

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
3200 TOWN POINT DRIVE SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep** #2 west DEPTH TO PRODUCT:_____ DATE: 4/11/13

PURGE METHOD: NA TIME: 1333 sample time

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1330		5.01	19.2	0.04	18.5	( )	

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	Cloud 4 warm		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER:	Ever 6	OBSERVER:	Mark A.

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
3200 TOWN POINT DRIVE SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep** B

DEPTH TO PRODUCT:

DATE: 4/11/13

PURGE METHOD: NA

TIME: 1345 Sample time

SAMPLE METHOD: Fill bottle from surface water

GRAB (x) COMPOSITE ( )

DUP./REP. OF:

DEPTH TO WATER:

DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:

Arrived at:

PURGE VOLUME:

WELL DIAMETER (inches): NA

Initial PID =

Bailing PID =

[HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1343		6.14	18.3	0.16	70	( )	

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Cloudy warm
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: Evar G	OBSERVER: Mark A.

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
3200 TOWN POINT DRIVE SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep** G

DEPTH TO PRODUCT:

DATE: 4/11/13

PURGE METHOD: NA

TIME: 1320 Sample time

SAMPLE METHOD: Fill bottle from surface water

GRAB (x) COMPOSITE ( )

DUP./REP. OF:

DEPTH TO WATER:

DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:

Arrived at:

PURGE VOLUME:

WELL DIAMETER (inches): NA

Initial PID =

Bailing PID =

[HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1317		4.55	18.8	0.04	1435	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	Cloudy warm		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER: Ear G		OBSERVER: Mark A.	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
3200 TOWN POINT DRIVE SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep** H

DEPTH TO PRODUCT:

DATE: 4/11/13

PURGE METHOD: NA

TIME: 1300 Sample time

SAMPLE METHOD: Fill bottle from surface water

GRAB (x) COMPOSITE ( )

DUP./REP. OF:

DEPTH TO WATER:

DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:

Arrived at:

PURGE VOLUME:

WELL DIAMETER (inches): NA

Initial PID =

Bailing PID =

[HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1256		3.95	16.54	0.05	3.28	( )	

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	Cloudy		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER:	Mark Andrews	OBSERVER:	Evan G.

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
3200 TOWN POINT DRIVE SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep** I DEPTH TO PRODUCT:_____ DATE: 4/11/13

PURGE METHOD: NA TIME: 13 58 Sample time

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1355		4.55	18.6	0.04	1142	( )	

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	Cloudy warm		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER: Ellar G		OBSERVER: Mark Andrews	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
3200 TOWN POINT DRIVE SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep** L

DEPTH TO PRODUCT:

DATE: ~~14~~ 30 4/11/13 MHA

PURGE METHOD: NA

TIME: 1430 Sample time

SAMPLE METHOD: Fill bottle from surface water

GRAB (x) COMPOSITE ( )

DUP./REP. OF:

DEPTH TO WATER:

DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:

Arrived at:

PURGE VOLUME:

WELL DIAMETER (inches): NA

Initial PID =

Bailing PID =

[HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1428		5.64	19.9	0.12	73	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	Cloudy warm		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER: Evar G		OBSERVER: Mark A.	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

104

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

5.7
2.4

WELL ID: **MW-3 Purge** DEPTH TO PRODUCT: NA DATE: 7/9/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1120

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 41.71' DEPTH TO PUMP (btoc)

TOTAL DEPTH: 60 - 41.71 = 18.29 * 0.163 = 2.98 * 3 = 8.9 gal 57'

Arrived at:_____ PURGE VOLUME: 9.5 WELL DIAMETER (inches):

Initial PID = _____ 2-IN

Bailing PID = _____

start 10 sec refill 5 sec discharge / Adjusted 6 sec refill 9 sec discharge
87 ft / 38 PSI

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1003						( )	
1005						280 (38PSI)	42.15
1015	1	6.44	24.6	0.12	1.52	450	42.35
1025	2.5	6.72	23.7	0.09	0.72	"	42.50
1035	3.0	6.81	23.3	0.09	0.65	"	
1045	4.3	6.89	23.5	0.08	0.45	"	42.45
1055	5.7	7.07	23.5	0.08	0.42	"	42.45
1105	8.1	5.56	23.6	0.08	0.40	"	42.45
1115	9.2	5.53	23.6	0.08	0.39	"	42.45
1120	9.5	5.55	23.5	0.08	0.38	"	42.45

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
~~40 mL~~	~~1~~			

GENERAL INFORMATION			
WEATHER:	81°F Sunny		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH		
SAMPLER: T. Kinnard		OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

* checked pH meter 4.0 = 3.85, when I take purge water readings now the meter holds around 5.53

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-5 Purge** **DEPTH TO PRODUCT:** NA **DATE:** 7/9/13

PURGE METHOD: Low Flow/Low Stress :Pump **TIME:** 1500

SAMPLE METHOD: Pump **GRAB (x) COMPOSITE ( )**

DUP./REP. OF: _____ **DEPTH TO WATER:** 39.1 **DEPTH TO PUMP (btoc)**

7/9/13 53.95'

TOTAL DEPTH: 54 - 39.1 = 14.9 * .163 = 2.4 * 3 = 7.3 gal

Arrived at: _____ **PURGE VOLUME:** 8.0 **WELL DIAMETER (inches):** 2-IN

Initial PID = _____

Bailing PID = _____

* Setting 5.5 Refill 9.5 Discharge

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1350	—					(PSI)	39.75
1400	1.7	5.68	22.6	0.10	0.35	500 (38)	39.75
1410	3	5.74	22.3	0.12		500 (38)	39.75
1420	4	5.68	22.1	0.11	0.35	500 (38)	39.75
1430	5	5.77	22.3	0.11	0.36	500 (38)	39.75
1440	6.2	5.74	22.3	0.10	0.30	500 (38)	39.75
1450	7.3	5.70	22.2	0.10	0.32	500 (38)	39.75
1500	8.0	5.69	22.3	0.10	0.34	500 (38)	

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	~~3~~ 2	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	~~3~~ 2	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION			
WEATHER:	86°F Sunny		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH		
SAMPLER:	T. KINNARD	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-10 Purge** DEPTH TO PRODUCT: NA DATE: 7/10/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1246

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 27.82 DEPTH TO PUMP (btoc) 40'

TOTAL DEPTH: 47.52

Arrived at:_____ PURGE VOLUME: 47.52 - 27.82 = 19.7 x 0.163 = 3.2 x 3 = 9.6 gal WELL DIAMETER (inches): 2-IN

Initial PID = _____

Bailing PID = _____ (80 PSI) 10 Refill / 5 Discharge

TIME 1138	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: ~~1143~~	1/4					(PSI)	~~29.6~~
1143	1	5.82	20.7	0.06	0.85	500 (80)	29.6
1153	2.5	5.78	20.6	0.06	0.61	500 (80)	30.15
1203	4.0	5.88	20.7	0.03	0.46	500 (80)	30.02
1213	5.7	6.00	20.7	0.06	0.42	500 (80)	30.04
1223	7.5	6.02	20.7	0.07	0.35	500 (80)	30.04
1233	8.8	6.03	20.7	0.07	0.50	500 (80)	30.01
1243	9.6	6.03	20.7	0.07	0.53	500 (80)	30.02

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	77°F overcast		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH		
SAMPLER:	T. KINNARD	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-14 Purge** DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1135

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF: DUP-1 DEPTH TO WATER: 64.48 DEPTH TO PUMP (btoc)

Time: 1200 TOTAL DEPTH: 86.5 74.5

Arrived at: 0940 PURGE VOLUME: 22.02 x 0.163 = 3.6 x 3 WELL DIAMETER (inches):

Initial PID = NA 10.8 2-IN

Bailing PID = NA

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1025	0.25	7.01	20.7	0.40	2.27	300 ( )	64.47
1021	2.0	7.08	19.3	0.41	1.89	500	64.49
1037	4.0	7.14	19.3	0.40	1.88	500	64.49
1053	6.0	7.16	19.4	0.40	0.89	500	64.49
1109	8.0	7.17	19.4	0.41	0.61	500	64.49
1117	9.0	7.16	19.7	0.41	0.54	500	64.49
1125	10.0	7.16	19.5	0.41	0.52	500	64.49
1133	11.0	7.18	19.5	0.41	0.53	500	64.49

COMMENTS: Pump set at 74.5 ft

Collected DUP-1 For VOC + 1,4 Dioxane / 1,4 Dioxane SIM
Time 1200

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	13	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION			
WEATHER:	Overcast, Temp 75°F		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH		
SAMPLER: Daniel Howard		OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-19 Purge** DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1322

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 30.80 DEPTH TO PUMP (btoc) 40

TOTAL DEPTH: 46.5

Arrived at: 1200 PURGE VOLUME: 15.7x0.163 = 2.6x3 WELL DIAMETER (inches): 2-IN

Initial PID = NA 7.8

Bailing PID = NA

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1220	0.25	5.61	20.5	0.10	15.5	400 ( )	31.39
1240	2.0	5.88	20.4	0.09	2.84	400	31.35
1250	~~3.0~~ 2.5	5.91	20.4	0.10	0.99	500	31.35
1300	5.0	5.88	19.7	0.11	0.70	550	31.35
1305	5.75	5.92	19.8	0.12	0.43	550	31.35
1310	6.5	5.94	19.7	0.12	0.37	550	31.35
1315	7.25	5.92	19.7	0.12	0.42	550	31.35
1320	8.0	5.96	19.7	0.12	0.33	550	31.35

COMMENTS: Pump set at 40ft

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION			
WEATHER:	Overcast, Humid, Temp 80°F		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH		
SAMPLER: Daniel Howard		OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-20 Purge** DEPTH TO PRODUCT:_____ DATE: 7/9/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1235

SAMPLE METHOD: Pump Bladder GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 80.21 DEPTH TO PUMP (btoc) 96.5

TOTAL DEPTH: 107.0

Arrived at: 0930 PURGE VOLUME: 26.79x0.163 = 4.4x3 WELL DIAMETER (inches): 2-IN

Initial PID = NA 13.2

Bailing PID = NA

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1015	0.5	6.77	26.3	0.40	7.31	350 ( )	80.60
1035 ~~1030~~	2.0	6.77	22.6	0.43	9.62	350	80.60
1100	4.0	6.82	22.4	0.43	8.71	350	80.62
1120	6.0	6.85	22.5	0.43	7.15	350	80.62
1140	8.0	6.86	22.1	0.43	4.41	350	80.62
1200	10.0	6.95	22.2	0.43	2.97	350	80.62
1210	11.00	6.97	22.2	0.43	2.62	350	80.62
1220	12.00	7.05	22.2	0.42	2.41	350	80.62
1226	12.6	6.96	22.3	0.42	3.01	350	80.62
1232	13.2	6.96	22.2	0.43	1.36	350	80.62

COMMENTS: Pump set at 96.5Ft

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	~~1~~ 3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION	
WEATHER:	Partly Sunny, Temp 80°F
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH
SAMPLER: Daniel Howard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-22** DEPTH TO PRODUCT: NA DATE: 7/9/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1835

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 90.17 DEPTH TO PUMP (btoc) 97'

TOTAL DEPTH: 114.2 - 90.17 = 24 x 0.163 = 3.9 = 11.7 gal

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches): 2-IN

Initial PID = _____

Bailing PID = _____

	TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting) (PSI)	New Water Level
Refill/DIS 6/9	Initial: 1630	Y4	7.08	21.4	0.46		(60)	90.1
	1640	1.2	7.00	19.7	0.47	0.52	(60)	90.1
	1650				0.48		300 (80)	
	1700	3.5	7.21				300 (80)	
6.5/8.5	1710	4.0	7.35				300 (80)	
7.5/7.5	1720	4.5	7.49	20.9	0.47	0.50	300 (80)	90.1
5/10	1730	5.0	6.82	19.6	0.47	0.50	300 (80)	90.1
	1750	7.0	6.96	19.7	0.47			
	1800	8.0	6.90	19.7	0.47	0.45	300 (80)	90.1
	1810	9.0	6.88	19.7	0.46		300 (80)	90.1
	1820	10.3	6.88	19.7	0.47	0.37	300 (80)	90.1
	1835	11.7	6.80	19.7	0.47	0.37	300 (80)	90.1

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	90°F Sunny		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH		
SAMPLER: T. KINNARD		OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-25 Purge** DEPTH TO PRODUCT:_____ DATE: 7/9/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1710

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 75.02 DEPTH TO PUMP (btoc) 93

TOTAL DEPTH: 107.0

Arrived at: 1405 PURGE VOLUME: 31.98x.163=5.21 WELL DIAMETER (inches): 2-IN

Initial PID = NA 15.6

Bailing PID = NA

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1430	0.25	8.12	23.3	0.39	33.5	325 ( )	75.40
1450	2.0	8.41	24.7	0.39	4.83	400	75.40
1510	4.0	7.88	21.5	0.40	2.55	400	75.40
1530	6.0	7.77	21.6	0.41	1.78	400	75.40
1550	8.0	7.81	21.6	0.41	1.30	400	75.40
1610	10.0	7.81	21.7	0.41	1.74	400	75.40
1630	12.0	7.88	21.6	0.41	0.74	400	75.35
1650	14.0	7.70	21.6	0.41	0.75	400	75.35
~~1700~~ 1700	15.0	7.69	21.6	0.41	0.67	400	75.35
1706	15.6	7.68	21.8	0.41	0.95	400	75.35

COMMENTS: Pump set at 93 Ft

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	13	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION			
WEATHER:	Hot & Humid, Temp 90°F		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH		
SAMPLER: Daniel Howard		OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-27** DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 0955

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 4.34 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 9.75 7/10/13 7'

Arrived at:_____ PURGE VOLUME: 9.75 - 4.34 *0.04 = .19 x3 WELL DIAMETER (inches):

Initial PID = _____ = 0.6 gal ~~2 IN~~ 3/4 inch

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 0943	0.25	5.34	23.0	0.04	0.62	( )	
0948	0.50	5.40	22.6	0.04	0.45		
0955	0.75	5.37	22.5	0.04	0.32		

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	2 ~~3~~	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	2 ~~1~~	HCL to pH<2	SIM	14 Dioxane
	4			

GENERAL INFORMATION			
WEATHER:	Light rain, cloudy 77°F		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER: T. KINNARD		OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

MACTEC ENGINEERING AND CONSULTING OF GEORGIA, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-28** DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1017

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 3.86

TOTAL DEPTH: 9.75 7/10/13 7' set tubing

Arrived at:_____ PURGE VOLUME: 9.75 - 3.86 = 3.89 * 0.04 = 0.23 * 3 = 0.7 gal WELL DIAMETER (inches): 2-IN

Initial PID = _____

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1010	0.25	6.00	21.3	0.15	9.2	( )	
1013	0.50	5.98	20.6	0.16	6.4		
1017	0.75	5.97	20.2	0.16	3.5		

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	2 ~~3~~	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	2 ~~1~~	HCL to pH<2	SIM	14 Dioxane
	4			

GENERAL INFORMATION			
WEATHER:	Light Rain, 70's		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER:	T. KINNARD	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep Manson Branch #2 DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1502

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1502		5.88	24.7	0.07	38.8	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Overcast + Humid, Temp 80°F
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: D Howard / T Kinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep #2 DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1540

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1540		5.69	23.7	0.01	3.73	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Overcast, Humid, Temp 80°F
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: Daniel Howard / T Kinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep B DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1550

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1550		6.46	24.2	0.08	10.62	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Humid, Overcast, Temp 88F
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: D Howard / T Kinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep** G DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1535

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1535		5.41	23.8	0.10	16.6	( )	

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Overcast, Temp 80°F, Humid
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: D Howard/T Kinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep H DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1512

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF: DUP 2 DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1512		5.30	21.7	0.06	3.06	( )	

COMMENTS: Time 1200 for DUP-2

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Overcast, Humid, Temp 80°F
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: DHoward / TKinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep I DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1605

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1605		5.44	23.5	0.01	1.39	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	Overcast, Humid, Temp 80°F		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER:	D Howard / T Kinnard	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep L DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1600

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1600		6.21	23.9	0.16	5.2	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION			
WEATHER:	Overcast, Humid, Temp 80°F		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA		
SAMPLER:	D Howard / T Kinnard	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Surface Water** MB#3 DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1640

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1640		6.51	25.4	0.05	11.5	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Overcast, Humid, Temp 80°F
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: D Howard / T Kinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Surface Water** MB#5 DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1655

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1655		6.83	25.6	0.05	11.5	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Overcast, Temp 80°F, Humid
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: DHoward / TKinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Surface Water** MB#15 DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1630

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1630		6.83	25.3	0.05	12	( )	

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Overcast, Humid, 80°F
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: D Howard / T Kinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Surface Water** MB#16 DEPTH TO PRODUCT:_____ DATE: 7/10/13

PURGE METHOD: NA TIME: 1615

SAMPLE METHOD: Fill bottle from surface water GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER:_____ DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH:_____ _____

Arrived at:_____ PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1615		6.59	24.1	0.04	17.4	( )	
COMMENTS:							

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane

GENERAL INFORMATION	
WEATHER:	Overcast, Humid, Temp 80°F
SHIPPED VIA:	FedEX
SHIPPED TO:	Test America-North Canton, OH or AES - Atlanta, GA
SAMPLER: Daniel Howard / T Kinnard	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

APPENDIX B

JULY 2013 PHOTOGRAPHS OF THE RIP-RAP BLANKET

Photo 1: Top of the flume looking down slope showing check dams on right side of photo

Photo 2: Top of the flume looking down slope with vegetation

Photo 3: Looking up slope at vegetation and standing water in the rip-rap in July 2013

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