VOLUNTARY REMEDIATION PLAN STATUS REPORT NO. 6

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

March 7, 2014

AMEC Project No. 6122-09-0322

March 7, 2014

Mr. David Brownlee
Response & Remediation Program
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Subject: **Voluntary Remediation Plan Status Report No. 6**
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.6 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 September 2013 to shortly before submittal of this status report in March 2014. The report includes information on the January 2014 groundwater, seep, and surface water sampling, maintenance of the rip-rap blanket, and summary of professional hours.

Sincerely,

AMEC Environment & Infrastructure, Inc.

Rhonda N. Quinn, P.G.
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Enclosure

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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

March 5, 2014
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. 6 (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 sixth Status Report covers the activities conducted from September 2013 until shortly before the submittal of this status report (March 2014).

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. Five Status Reports have been submitted to EPD covering the time period from March 2011 to September 2013. This sixth Status Report documents the semi-annual groundwater, seep and surface water monitoring conducted in January 2014, and the inspection of the rip-rap blanket.

3.0 WORK PERFORMED SEPTEMBER 2013 TO MARCH 2014

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 Activities performed since September 2013 include semi-annual groundwater, seep, and surface water sampling and analysis and inspection of the rip-rap blanket and are described in the following sections.

3.1 January 2014 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. The January 2014 Uppermost Water-Bearing Zone (UWBZ) groundwater elevations were generally two to three feet higher than those measured a year ago; Intermediate Water-Bearing Zone (IWBZ) groundwater elevations were on the order of one to one and one-half feet higher than those recorded in January 2013. These increases are attributed to a higher than normal rainfall recorded in 2013 (66.44 inches, recorded at Louisville station #095314) versus a 30-year average of about 45 inches. Groundwater elevations in the UWBZ are more sensitive to variation in rainfall than are elevations in the IWBZ. Groundwater elevations in the five wells screened in the colluvial/alluvial soils adjacent to Manson Branch are sensitive to both the volume of discharge from seeps in the UWBZ and to surface water elevations in Manson Branch. Potentiometric surface maps of the UWBZ and IWBZ based on groundwater level measurements made on January 7, 2014 are presented on Figures 1 and 2. Groundwater flow directions in the UWBZ is to the east toward Manson Branch and the flow direction in the IWBZ is to the southwest. Both water-bearing zones flow directions are consistent with previous interpretations.

An estimate of the average groundwater flow rates for UWBZ and IWBZ were calculated using Darcy's equation:

$$V = Ki/ne$$

Where:
V = velocity of groundwater in (feet/year)
K = hydraulic conductivity in (feet/year)
i = gradient in (feet/foot)
ne = effective porosity (dimensionless) (estimated to be 0.25 for sands)

The hydraulic conductivity for the UWBZ ranged from 0.0005 to 0.0012 feet per minute (ft/min) (262.8 to 630.7 feet per year) (2007 CSR). The gradient in the UWBZ was estimated from Figure 1 potentiometric surface map to be approximately 0.0044 feet/foot to 0.0049 feet/foot. The estimated average groundwater flow velocity in the UWBZ ranged from about 5 to 12 feet per year. The hydraulic conductivity for the IWBZ was estimated to be 0.021 (ft/min) (11038 ft/yr). The horizontal gradient for the IWBZ was estimated from Figure 2 January 2014 potentiometric surface map to be 0.0026 feet/foot. The estimated average groundwater velocity in the IWBZ was about 114 feet per year.

The vertical gradient was calculated in UWBZ and IWBZ monitoring well pairs MW-1/MW-22, MW-5/ MW-25, and MW-19/MW-14. In the three well pairs there is a downward gradient from the UWBZ to the IWBZ at 1.3, 0.8, and 0.9 feet/foot, respectively.

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 January 7 through 9, 2014. 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 January 2014 groundwater samples were analyzed by Pace Analytical Laboratory in Huntersville, North Carolina.

3.1.3 Seep Samples

Water samples were collected on January 9, 2014 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 field sampling forms and laboratory reports are provided in Appendix A. The January 2014 seep samples were analyzed by Pace Analytical Laboratory in Huntersville, North Carolina.

3.1.4 Surface Water Samples

Surface water samples were collected from Manson Branch on January 9, 2014. 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 field sampling forms and the laboratory reports are provided in Appendix A. The surface water samples were analyzed by Pace Analytical Laboratory in Huntersville, North Carolina.

3.2 Analytical Results

The following sections describe the results of the analysis of groundwater, seep, and surface water samples collected on January 7 to 9, 2014.

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

Groundwater samples were collected during the January 7 to 9, 2014 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 and on Figure 3

(UWBZ wells MW-3, MW-5, and MW-19) and on Figure 4 (colluvial/alluvial wells MW-27 and MW-28). Figure 3 illustrates an increase in TCE concentration since 2010 in wells MW-3 (from 2.4 to 3.7 µg/L) and in MW-5 (from 250 to 397 µg/L). Conversely, during this same time interval (since 2010) TCE concentrations in MW-19 (located downgradient of wells MW-3 and MW-5 and just upgradient of the slope from which UWBZ groundwater discharges to seeps above Manson Branch), while somewhat variable, have decreased from a maximum of 6400 µg/L to 3360 µg/L. TCE concentrations in each of these wells are well below those recorded in the 2000-2003 time frame.

Cis-1,2-dichloroethene has not been detected in MW-3 or MW-10 samples. The January 2014 cis-1,2-dichloroethene concentrations reported in MW-5 and MW-19 were 8.1 and 23.2 µg/L, respectively and were slightly higher than the concentrations reported in July 2013.

Figure 4 shows TCE concentrations reported in samples from monitoring wells MW-27 and MW-28. These wells are screened in near-surface colluvial/alluvial soils at locations west of Manson Branch, between the seeps downgradient from MW-19 and Manson Branch. Since monitoring was initiated in 2010, TCE concentrations ranging from <1 to 16 µg/L have been recorded; concentrations in MW-27 appear to be relatively stable while those in MW-28 have decreased. During the same monitoring period cis-1,2-dichloroethene concentrations have increased (from 5 to 17 µg/L) in MW-27, but appear more stable well MW-28.

Five other chlorinated VOCs (1,1,1,2-tetrachloroethane; 1,1,1-trichloroethane; 1,1-dichloroethene; chloroform; and tetrachloroethene) were detected in groundwater samples from alluvial and UWBZ wells, generally at concentrations similar to those previously reported. 1,1,1,2-Tetrachloroethane and tetrachloroethene were detected only in well MW-19, at concentrations of 9.2 and 2.1 µg/L, respectively. 1,1,1-Trichloroethane was detected in wells MW-5 and MW-19, at concentrations of 2.3 and 7 µg/L, respectively, while 1,1-dichloroethene was detected in MW-5, MW-19, and MW-27 at 19.1, 48.2, and 3.6 µg/L, respectively. Chloroform was detected in wells MW-3, MW-5, MW-10 and MW-19 at concentrations less than 3 µg/L. The 2014 concentrations of those constituents in each of the wells as noted are similar to those recently reported. Vinyl chloride and 1,4-dioxane were not detected in the alluvial and UWBZ groundwater samples.

Hexachloro-1,3-butadiene was detected at 2.1 µg/L in the groundwater sample from well MW-19 in January 2014. This same constituent was detected in well MW-5 at 1.4 µg/L in July 2013. Otherwise, this constituent had not been detected in other groundwater samples from the Louisville site in over 10 years of monitoring.

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 January 2014 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). Figure 5 shows historic TCE concentration reported in IWBZ wells MW-14, MW-25, and MW-20. No constituents have been detected in downgradient well MW-22. During the monitoring interval from 2010 to 2014, TCE concentrations in upgradient well MW-14 have been reported in the general range of 3000 to 4500 µg/L. The July 2013 and January 2014 reported concentrations of 2900 and 1990 µg/L are below those results previously reported. The July 2013 and January 2014 TCE concentrations reported in MW-25 (4500 and 3250 µg/L) are similar to those recently observed.

Figure 6 shows time trend plots of cis-1,2-dichloroethene. Since IWBZ monitoring was initiated in 2010, cis-1,2-dichloroethene concentrations in more upgradient wells MW-14 and MW-25 have remained relatively stable, while concentrations in MW-20 have increased. However, the July 2013 and January 2014 data from well MW-20 suggest that the increasing cis-1,2-dichloroethene trend previously observed in this portion of the plume may be stabilizing in the 300 to 400 µg/L range.

Most recent (January 2014) concentrations of 1,1-dichloroethene in IWBZ wells (from upgradient to downgradient) were 52.4 µg/L in MW-14, 20.9 µg/L in MW-25, 5.8 µg/L in MW-20, and <1 µg/L in MW-22. Similarly, January 2014 concentrations of vinyl chloride were 1.1 µg/L in MW-14, 21.9 µg/L in MW-25, 2.1 µg/L in MW-20 and <1 µg/L in MW-22. These 1,1-dichloroethene and vinyl chloride concentrations are consistent with those reported in the 2010 to 2013 time frame.

3.2.3 Seeps

Toluene was unexpectedly detected in four of the five 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 where toluene was reported in Seeps MB#2, Seep #2, and Seep I at 2.0 to 2.5 µg/L, toluene had not been previously detected in seep samples from this area, or in any site groundwater samples collected after 2003. An assessment of the presence and distribution of the detected seep toluene and of historic and recent facility operations suggested a toluene source limited in mass and distribution. Thermo King initiated quarterly versus semi-annual seep sampling beginning in August 2012 and extending for one year until July 2013. The quarterly sampling results, described in Status Reports No. 4 (March 8, 2013) and No. 5 (September 6, 2013), indicated decreasing toluene concentrations and a reduction in the number of seeps in which toluene was detected. Based on these data, toluene

was no longer considered to be of concern and semi-annual seep sampling was reinstated. Toluene was not detected in any of the seeps or in groundwater or surface water samples collected in January 2014.

The January 2014 seep samples results are presented on Table 3; detections are summarized below (all results are reported in µg/L):

Seep MB#2 (beneath the rip-rap cover)		**Seep H (beneath the rip-rap cover)**	
TCE	<1	TCE	180
Cis-1,2-DCE	6.5	Cis-1,2-DCE	22.3
1,1-DCE	<1	1,1-DCE	29.1
1,1-DCA	2.4	1,1-DCA	<1
Vinyl Chloride	13.8	Vinyl Chloride	<1
Seep #2		**Seep B**	
TCE	2.5	TCE	1.4
Cis-1,2-DCE	3	Cis-1,2-DCE	3
1,1-DCE	<1	1,1-DCE	<1
1,1-DCA	<1	1,1-DCA	<1
Vinyl Chloride	<1	Vinyl Chloride	<1

Seep G	
TCE	<1
Cis-1,2-DCE	3.2
1,1-DCE	<1
1,1-DCA	<1
Vinyl Chloride	<1

Seeps I and L were non-detect at 1 µg/L for the monitored constituents. The reported January 2014 VOC concentrations are generally lower for all constituents than those previously reported. No VOCs were detected in Seeps located beyond the rip-rap blanket at concentrations exceeding Georgia ISWQC.

3.2.4 Surface Water

Surface water samples collected from the four designated sampling locations in Manson Branch and were analyzed for site-specific VOCs and 1,4-dioxane. Consistent with sampling results for the past 12 years, no constituents were detected (Table 3).

3.3 Update of Groundwater Fate and Transport

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 (Appendix A of Status Report No. 3 and Appendix B in Status Report No. 4) to support Thermo King's conclusion that the discharge of groundwater and associated contaminants (primarily TCE) from the UWBZ is to the seeps and then through the valley floor colluvial/alluvial soils, at concentrations well below those that would result in future TCE exceedances of the ISWQC in Manson Branch. The January 2014 groundwater and seep sampling results continue to support his conclusion.

- July 2013 and January 2014 TCE concentrations in MW-19, the UWBZ well located just upgradient of the seep discharges, were below those recently recorded.
- VOC concentrations in January 2014 seep samples are generally lower for all constituents than those previously reported and no VOC detections exceeding ISWQC were reported in seep samples located beyond the rip-rap blanket.
- Janaury 2014 TCE and cis-1,2-dichloroethene concentrations in colluvial/alluvial wells MW-27 and MW-28 remain in the general range of 5 to 15 µg/L.
- VOCs have not been detected in 12 years of surface water sampling from Manson Branch.

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 January 2014 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 January 2014 results for TCE and DCE in these wells are generally similar to those recently reported. However, as described in Section 3.3.1, there are indications that TCE concentrations in upgradient wells MW-14 may have begun to decrease. Figures 7, 8, and 9 (distance versus concentration graphs for Intermediate Zone wells) illustrate recent (2011 through 2014) concentrations versus those modeled predictions

(Appendix A in Status Report No. 3) and show that the January 2014 constituent concentrations continue to approximate the model projected concentrations.

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

3.4 Rip-Rap Blanket Inspection

The inspection of the area conducted in January 2014 shows that a suitable vegetative cover has been established on the slopes leading down to the rip-rap blanket areas, erosion is adequately addressed, and water is flowing beneath the rip-rap surface. No maintenance activities were conducted during his reporting period.

3.5 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 and EPD has rescinded, at the request of Thermo King, 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. EPD provided comments on the covenant in letters dated March 10, 2011 and July 16, 2012. The final draft of the environmental covenant is in the process of being prepared and will be submitted before mid-year to the parties listed on the covenant for review prior to EPD signing the covenant.

4.2 Rip-Rap Blanket Inspection and Maintenance

The rip-rap blanket will be inspected at the next semi-annual water sampling event. 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 June-July 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 251.6 professional service hours have been provided by AMEC Environment & Infrastructure, Inc. from August 24, 2013 through February 21, 2014. 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 16 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	Depth to water from top of casing (ft) January 7, 2014	Ground-Water Elevation (ft, NAVD) January 7, 2014
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	47.03	286.66
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	36.80	285.58
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	39.94	285.51
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	38.47	285.31
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	38.27	282.83
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	29.99	284.38
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	33.59	286.64
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	45.14	284.56
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	36.43	286.66
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	27.61	282.44
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	49.09	284.68
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	47.11	281.23
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	8.32	275.39
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	64.91	246.71
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	4.28	255.90
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	3.87	249.94
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	11.78	248.70
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	5.67	248.51
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	30.32	281.57
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	80.53	245.22
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	76.53	243.96
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	90.53	243.52
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	79.77	244.00
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	87.08	234.15
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	246.16	75.40	245.78
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	4.68	250.61
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	4.49	253.01
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	4.13	247.60
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	1.38	248.42
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	6.21	250.87

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 2/7/2014
CHECKED BY/DATE: RNQ 2/17/2014

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, July 2013, and January 2014
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 ,
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	January 2013, July 2013, and January 2014
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	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'	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	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	1/9/2014
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	Pace Analytical
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	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	<1.0
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	<1.0
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	<1.0
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	<1.0
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	<1.0
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	<1.0
1,4-Dioxane	<75000	<250	<400	<250	<250	<250	<50	<50	NA	<100	<100	<50	<50	<150
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**	**2.5**
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	<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	<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	<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	<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	<2.0
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	<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	<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	<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	<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**	**3.7**
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	<1.0
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	NA
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-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, July 2013, January 2014
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	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'	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	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	1/8/2014
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	Pace Analytical
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	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	<2.0
1,1,1-Trichloroethane	<400	<500	**45**	**53**	<45	<42	<12	<8.0	<8.0	**4**	**1.8**	<1.0	<8.0	**1.4**	**2.3**
1,1-Dichloroethane	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0
1,1-Dichloroethene	<400	<500	**44**	**65**	<45	<42	<12	**8.9**	**22**	**15**	**12**	<1.0	<8.0	**9.8**	**19.1**
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**	<2.0
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**	<2.0
1,4-Dioxane	<200000	<25000	<1200	<1300	<2300	<2100	<620	<400	<400	NA	<100	<100	<400	<50	<300
Chloroform	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	**1.8**	**1.8**	**2.1**	<8.0	**3.0**	**2.3**
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**	**8.1**
Ethylbenzene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0
Hexachlorobutadiene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	**1.4**	<2.0
p-Isopropyltoluene	<400	<500	NA	NA	NA	NA	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0
Methylene chloride	<800	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<5.0	<1.0	<1.0	<8.0	<1.0	<4.0
Naphthalene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<5.0	<5.0	<5.0	<8.0	**1.1**	<2.0
Tetrachloroethene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0
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	<2.0
Toluene	<400	<500	<25	<33	<45	<42	<12	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0
Trichloroethene	**7400**	**15000**	**730**	**1200**	**310**	**320**	**180**	**210**	**250**	**160**	**230**	**220**	**240**	**370**	**397**
Vinyl Chloride	<400	<200	<25	<33	<18	<17	<5.0	<8.0	<8.0	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0
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	<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, July 2013, and January 2014	2/25/2003	4/8/2008	6/1/2010	June 2011 January 2012 July 2012, 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, July 2013, and January 2014	2/24/2003	4/7/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, July 2013, and January 2014
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	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'	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	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	1/7/2014
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	Pace Analytical
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	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	<1.0
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	<1.0
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	<1.0
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	<1.0
1,2,3-Trichlorobenzene	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	<1.0
1,4-Dioxane	<200	<250	<250	<250	<250	<50	<50	NA	<100	<100	<50	<50	<150
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**	**1.2**
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	<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	<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	<1.0
p-Isopropyltoluene	NA	NA	NA	NA	<5.0	<1.0	<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	<2.0
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	<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	<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	<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	<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**	**1.2**
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	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)	Metals were not sampled and analyzed				Metals were not sampled or 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-11	MW-11	MW-11	MW-11
Sample Depth (well screen interval) (ft. bgs)	66'-76'	66'-76'	66'-76'	66'-76'
Sample Depth (well screen interval) (ft. btoc)	68.5'-78.5'	68.5'-78.5'	68.5'-78.5'	68.5'-78.5'
Passive Diffusion Bag Sample Depth (ft. btoc)		76.6'-78.1'	76.6'-78.1'	
Date Sampled	2/25/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, July 2013, and January 2014
Laboratory	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	PumpLFLS/Bailer	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	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<5.0	<5.0	<1.0	
1,4-Dioxane	<200	<250	<50	
Chloroform	<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<2.5	<1.0	
Ethylbenzene	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<5.0	<5.0	<1.0	
p-Isopropyltoluene	NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<1.0	
Naphthalene	<5.0	<5.0	<1.0	
Tetrachloroethene	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<2.5	<2.5	<1.0	
Toluene	<5.0	<5.0	<1.0	
Trichloroethene	<5.0	<5.0	<1.0	
Vinyl Chloride	<5.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	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-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13	MW-13
Sample Depth (well screen interval) (ft. bgs)	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)	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)		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, July 2013, and January 2014	2/26/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, July 2013, and January 2014
Laboratory	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	
Constituent								
Volatile Organic Compounds - SW8260B - (µg/L)				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	
1,1,1-Trichloroethane	<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	
1,1-Dichloroethene	<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	
1,2,4-Trichlorobenzene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,4-Dioxane	<200	<250	<50		<200	<250	<50	
Chloroform	<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	
Ethylbenzene	<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	
p-Isopropyltoluene	NA	<5.0	<1.0		NA	<5.0	<1.0	
Methylene chloride	<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	
Tetrachloroethene	<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	
Toluene	<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	
Vinyl Chloride	<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	
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-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	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'	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	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	1/8/2014
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	Pace Analytical
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	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	<1.0
1,1,1-Trichloroethane	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0
1,1-Dichloroethane	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	**4.5**	**3.3**	<100	<10	**2.3**
1,1-Dichloroethene	<200	<250	<200	<310	<330	<120	**57**	<140	**58**	**56**	**110**	**90**	<100	**57**	**52.4**
1,2,3-Trichlorobenzene	NA	NA	NA	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0
1,2,4-Trichlorobenzene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0
1,4-Dioxane	<10000	<12000	<10000	<16000	<17000	<6200	<1200	<7100	<1400	NA	<100	<100	<5000	<500	<150
Chloroform	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0
cis-1,2-Dichloroethene	**500**	**450**	**450**	<310	**410**	**370**	**320**	**380**	**330**	**280**	**390**	**340**	**310**	**350**	**254**
Ethylbenzene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0
Hexachlorobutadiene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0
p-Isopropyltoluene	NA	NA	NA	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0
Methylene chloride	<200	<250	<200	<310	<330	<120	<25	<140	<29	<50	<1.0	<1.0	<100	<10	<2.0
Naphthalene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<50	<5.0	<5.0	<100	<10	<1.0
Tetrachloroethene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	**2.8**	**2.4**	<100	<10	**1.6**
trans-1,2-Dichloroethene	<200	<250	<200	<310	<170	<120	<25	<140	<29	<10	**1.1**	<1.0	<100	<10	<1.0
Toluene	<200	<250	<200	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0
Trichloroethene	**6800**	**6600**	**6100**	**1900**	**4800**	**3500**	**3000 E**	**3600**	**3200 E**	**3200**	**4000**	**3700**	**3400**	**2900**	**1990**
Vinyl Chloride	<200	<250	<200	<120	<130	<120	<25	<140	<29	<10	**1.9**	**2.3**	<100	<10	**1.1**
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	<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
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'
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'
Passive Diffusion Bag Sample Depth (ft. btoc)		12.3'-13.8'	12.3'-13.8'			12.2'-13.7'	12.2'-13.7'	
Date Sampled	4/3/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, July 2013, and January 2014	4/4/2003	4/7/2008	6/2/2010	June 2011 January 2012 July 2012 , January 2013, July 2013, and January 2014
Laboratory	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	
Constituent								
Volatile Organic Compounds - SW8260B - (µg/L)				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	
1,1,1-Trichloroethane	<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	
1,1-Dichloroethene	<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	
1,2,4-Trichlorobenzene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,4-Dioxane	<250	<250	<50		<250	<250	<50	
Chloroform	<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	
Ethylbenzene	<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	
p-Isopropyltoluene	NA	<5.0	<1.0		NA	<5.0	<1.0	
Methylene chloride	<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	
Tetrachloroethene	<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	
Toluene	<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	
Vinyl Chloride	<2.0	<2.0	<1.0		<2.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	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-17	MW-17A	MW-17B	MW-17C	MW-17	MW-17	MW-17	MW-17
Sample Depth (well screen interval) (ft. bgs)	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)	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)		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	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, July 2013, and January 2014
Laboratory	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	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-18	MW-18A	MW-18B	MW-18C	MW-18	MW-18	MW-18	MW-18
Sample Depth (well screen interval) (ft. bgs)	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'
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'
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	
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, July 2013, January 2014
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-19	MW-19	MW-19A	MW-19B	MW-19	MW-19	MW-19	Re-analyzed MW-19	MW-19	Re-analyzed MW-19	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'	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	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	44.9-46.4	39.9-41.4	39.9-41.4	39.9-41.4	39.9-41.4								
Date Sampled	5/28/2003	6/13/2003	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	1/18/2012	7/11/2012	1/9/2013	7/10/2013	1/8/2014
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 - North Canton	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton	Pace Analytical
Purge Method/Sample Method	PumpLFLS/Bailer	PumpLFLS/Bailer	PumpLFSL/Bailer/ PDB	PumpLFSL/Bailer/ PDB	PumpLFSL/Bailer/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS	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	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	**10**	**12**	<200	<14	**9.2**
1,1,1-Trichloroethane	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	**7.4**	**6.4**	<200	<14	**7**
1,1-Dichloroethane	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	<1.0
1,1-Dichloroethene	<250	<500	<1200	<1200	<1700	<100	**82**	**100**	<200	**72**	**18**	**45**	**37**	<200	**33**	**48.2**
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	<1.0
1,2,4-Trichlorobenzene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	<1.0
1,4-Dioxane	<10000	<20000	<62000	<62000	<83000	<5000	<2800	<2800	<10000	<2000	NA	<100	<100	<10000	<710	<150
Chloroform	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	**1.9**	**2.2**	<200	<14	**2.7**
cis-1,2-Dichloroethene	<120	<250	<1200	<1200	<1700	<50	<56	<56	<200	<40	<10	**12**	**13**	<200	**18**	**23.2**
Ethylbenzene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	<1.0
Hexachlorobutadiene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	**2.1**
p-Isopropyltoluene	NA	NA	NA	NA	NA	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	<1.0
Methylene chloride	380 B	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<50	<5.0	<5.0	<200	<14	<2.0
Naphthalene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<50	<5.0	<5.0	<200	<14	<1.0
Tetrachloroethene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	**2.3**	**2.3**	<200	<14	**2.1**
trans-1,2-Dichloroethene	<120	<250	<1200	<1200	<1700	<50	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	<1.0
Toluene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	<1.0
Trichloroethene	**8000**	**12000**	**20000**	**19000**	**14000**	**1500**	**1700**	**1900**	**5800**	**5800 E**	**4000**	**5900**	**5100**	**6400**	**5000**	**3360**
Vinyl Chloride	<250	<500	<1200	<1200	<670	<40	<56	<56	<200	<40	<10	<1.0	<1.0	<200	<14	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	<11	NA	NA	<40	<20	<5.0	<5.0	<2.0	<2.0	<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			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-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	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'	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	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	1/9/2014
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	Pace Analytical
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	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	<1.0
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	<1.0
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	<1.0
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**	**5.8**
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	<1.0
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	<1.0
1,4-Dioxane	<200	<200	<200	<200	<360	<360	<250	<500	<500	<250	<290	NA	<100	<100	<450	<63	<150
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	<1.0
cis-1,2-Dichloroethene	**14**	**12**	**15**	**20**	**40**	**40**	**33**	**52**	**120**	**150**	**170**	**210**	**310**	**270**	**320**	**360**	**316**
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	<1.0
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	<1.0
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	<1.0
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	<2.0
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	<1.0
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	<1.0
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	<1.0
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	<1.0
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	<1.0
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**	**2.1**
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	<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, July 2013, and January 2014
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	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'	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	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	1/9/2014
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	Pace Analytical
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	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	<1.0
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	<1.0
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	<1.0
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	<1.0
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	<1.0
1,4-Dioxane	<200	<250	<250	<250	<250	<250	<50	NA	<100	<100	<50	<50	<150
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	<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	<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	<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	<1.0
p-Isopropyltoluene	NA	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	<5.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0
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	<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	<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	<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	<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	<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	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	<2.0	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-23	MW-23A	MW-23B	MW-23C	MW-23	MW-23	MW-23	MW-23
Sample Depth (well screen interval) (ft. bgs)	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'
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'
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	
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, July 2013, and January 2014
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-24	MW-24	MW-24	MW-24	MW-24
Sample Depth (well screen interval) (ft. bgs)	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)	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)			143.3'-144.8'	143.3'-144.8'	
Date Sampled	10/12/2004	10/28/2004	4/7/2008	6/1/2010	June 2011 January 2012 July 2012 , January 2013, July 2013, and January 2014
Laboratory	STL Savannah	STL North Canton	TestAmerica - North Canton	TestAmerica - North Canton	
Purge Method/Sample Method	PumpLFLS/ Bailer	PumpLFLS/ Bailer	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	<1.0	
1,1,1-Trichloroethane	<1.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<1.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<1.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<1.0	<5.0	<5.0	<5.0	
1,4-Dioxane	NA	<250	<250	<50	
Chloroform	<1.0	<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<1.0	<5.0	<2.5	<1.0	
Ethylbenzene	<1.0	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<1.0	<5.0	<5.0	<1.0	
p-Isopropyltoluene	NA	NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<5.0	<1.0	
Naphthalene	<1.0	<5.0	<5.0	<1.0	
Tetrachloroethene	<1.0	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<1.0	<5.0	<2.5	<1.0	
Toluene	<1.0	<5.0	<5.0	<1.0	
Trichloroethene	<1.0	<5.0	<5.0	<1.0	
Vinyl Chloride	<1.0	<2.0	<2.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	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-25	MW-25	MW-25	MW-25	MW-25	MW-25	MW-25
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'	91.8-106.8'
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'
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	1/8/2014
Laboratory	TestAmerica - North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	Test America - NorthCanton	Test America - NorthCanton	Pace Analytical
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	<83	<20	<1.0	<1.0	<130	<13	<10
1,1,1-Trichloroethane	<83	<20	<1.0	<1.0	<130	<13	<10
1,1-Dichloroethane	<83	<20	<1.0	<1.0	<130	<13	<10
1,1-Dichloroethene	<83	**20**	**34**	**28**	<130	**27**	**20.9**
1,2,3-Trichlorobenzene	<83	<20	<1.0	<1.0	<130	<13	<10
1,2,4-Trichlorobenzene	<83	<20	<1.0	<1.0	<130	<13	<10
1,4-Dioxane	<4200	NA	<100	<100	<6300	<630	<1500
Chloroform	<83	<20	<1.0	<1.0	<130	<13	<10
cis-1,2-Dichloroethene	**820**	**880**	**1000**	**860**	**860**	**840**	**772**
Ethylbenzene	<83	<20	<1.0	<1.0	<130	<13	<10
Hexachlorobutadiene	<83	<20	<1.0	<1.0	<130	<13	<10
p-Isopropyltoluene	<83	<20	<1.0	<1.0	<130	<13	<10
Methylene chloride	<83	<100	<1.0	<1.0	<130	<13	<20
Naphthalene	<83	<100	<5.0	<5.0	<130	<13	<10
Tetrachloroethene	<83	<20	<1.0	<1.0	<130	<13	<10
trans-1,2-Dichloroethene	<83	<20	<1.0	<1.0	<130	<13	<10
Toluene	<83	<20	<1.0	<1.0	<130	<13	<10
Trichloroethene	**2800**	**3600**	**4700**	**3900**	**4300**	**4500**	**3250**
Vinyl Chloride	<83	<20	**36**	**44**	<130	**21**	**21.9**
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	<17	<20	<5.0	<5.0	<25	<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 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-26	MW-26	MW-26	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27
Sample Depth (well screen interval) (ft. bgs)	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'	2.2-7.2'
Sample Depth (well screen interval) (ft. btoc)	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'	5.0-10.0'
Passive Diffusion Bag Sample Depth (ft. btoc)										
Date Sampled	10/20/2010	6/9/2011	January 2012 July 2012 , January 2013, July 2013, January 2014	10/20/2010	6/9/2011	1/18/2012	7/11/2012	1/9/2013	7/10/2013	1/8/2014
Laboratory	AES-Atlanta	TestAmerica - Tampa		AES-Atlanta	TestAmerica - Tampa	AES-Atlanta		Test America - NorthCanton	Test America - NorthCanton	Pace Analytical
Purge Method/Sample Method	Pump-LFLS	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	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,1-Dichloroethane	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,1-Dichloroethene	<5.0	<1.0		<5.0	**1.2**	**2.4**		**2.9**	**1.2**	**3.6**
1,2,3-Trichlorobenzene	NA	<1.0		NA	<1.0	<1.0		<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,4-Dioxane	<150	NA		<150	NA	<100		<50	<50	<150
Chloroform	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<5.0	<1.0	NOT SAMPLED per VIRP	**5.2**	**6.6**	**10**		**9.2**	**8.8**	**16.9**
Ethylbenzene	<5.0	<1.0		<5.0	<1.0	<1.0	DRY NOT SAMPLED	<1.0	<1.0	<1.0
Hexachlorobutadiene	NA	<1.0		NA	<1.0	<1.0		<1.0	<1.0	<1.0
p-Isopropyltoluene	NA	<1.0		NA	<1.0	<1.0		<1.0	<1.0	<1.0
Methylene chloride	<5.0	<5.0		<5.0	<5.0	<1.0		<1.0	<1.0	<2.0
Naphthalene	NA	<5.0		NA	<5.0	<5.0		<1.0	<1.0	<1.0
Tetrachloroethene	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
Toluene	<5.0	<1.0		<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
Trichloroethene	<5.0	<1.0		**10**	**15**	**5.8**		**13**	**13**	**16**
Vinyl Chloride	<2.0	<1.0		<2.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	<2.0		NA	<2.0	<5.0		<2.0	<2.0	<2.0
Site-Specific Metals - SW6010B - (mg/L)										
Total Silver	Metals were not sampled and analyzed			Metals were not sampled and analyzed						
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/	Well was purged using the low flow/low stress method with a submersible
Bailer	Grundfos pump and clean dedicated tubing and the groundwater sample was collected using a disposable teflon bailer and rope.
Bailer/Bai	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/	Well was not purged, groundwater sample collected with Passive Diffusion Bag Sampler
VIRP	Voluntary Investigation and Remediation Plan

Prepared By: MHA 1/14/2014
Checked By: RNO 3/4/2014

TABLE 2: SUMMARY OF DETECTED CONSTITUENTS IN GROUNDWATER SAMPLES

Sample ID	MW-28	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'	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'	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	1/8/2014
Laboratory	AES-Atlanta	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	Test America - NorthCanton	Test America - NorthCanton	Pace Analytical
Purge Method/Sample Method	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	<5.0	<1.0	<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	<1.0
1,1-Dichloroethane	<5.0	<1.0	<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	<1.0
1,2,3-Trichlorobenzene	NA	<1.0	<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	<1.0
1,4-Dioxane	<150	NA	<100	<100	<50	<50	<150
Chloroform	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**9.4**	**18**	**14**	**12**	**4.7**	**7.2**	**8.2**
Ethylbenzene	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0
Naphthalene	NA	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
Tetrachloroethene	<5.0	<1.0	<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	<1.0
Toluene	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	<5.0	**4.5**	**4.3**	**3.5**	<1.0	**1.2**	**1.5**
Vinyl Chloride	<2.0	**1.0**	<1.0	**1.1**	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	<2.0	<5.0	<5.0	<2.0	<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 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**
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**
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
1,1,2-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
1,1-Dichloroethene	7100	<5.0	<5.0	<5.0	**69**	**50**	**52**	**97**	**12**	**24**	<250	**1000**	**210**	**11**		**160**	**50**	**53**	**7.3**
1,1-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**
1,4-Dioxane	not established	<250	<250	NA	<250	<830	NA	<1200	<200	<330	<12000	<31000	<9600	<250		<2500	NA	<100	<100
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
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
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**
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**
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**
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**
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
Trichloroethene	30	<5.0	<5.0	<5.0	**490**	**460**	**440**	**720**	**120**	**210**	**1300**	**4400**	**930**	**310**		**1700**	**280**	**340**	**16**
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**
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

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

Sample Identification		**Manson Branch #2 (MB#2)**						**Manson Branch #3 (MB#3)**						
Sample Location		**Seep in a Draw Down Slope of Thermo King plant building**						**Surface water in Manson Branch located 500 ft downstream of Hwy 24**						
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**	**1/9/2014**	**6/7/2000**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**1/8/2013**	**7/10/2013**	**1/9/2014**
Laboratory		**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**Pace Analytical**	**STL- North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**Pace Analytical**
CONSTITUENT (µg/L)														
1,1,1-Trichloroethane	not established	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	**1.4**	**20**	**17**	**14**	**1.3**	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	**4.4**	**6.9**	**8.2**	**8.7**	**3.1**	**2.4**	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	not established	<100	NA	<250	<50	<50	<150	<250	NA	<100	<100	<50	<50	<150
Chloroethane	not established	<5.0	<5.0	<5.0	**3.8**	**1.3**	<1.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0
Chloroform	470	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	**46**	**170**	**170**	**130**	**18**	**6.5**	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	2100	**13**	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	5980	**22**	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	**2.3**	**2.2**	<5.0	**2.3**	<1.0	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	2.4	**9.3**	**84**	**71**	**81**	**21**	**13.8**	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	<5.0	<5.0	NA	NA	NA	NA	NA	<2.0	NA	NA	NA	NA	NA

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

Sample Identification		**Manson Branch #4**	**Manson Branch #5 (MB#5)**							**Manson Branch #6**	**Manson Branch #7**	**Manson Branch #8**	**Manson Branch #9**	**Manson Branch #10**	**Manson Branch #11**	**Manson Branch #12**	**Manson Branch #14**		
Sample Location		**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**	**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**		
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**6/7/2000**	**6/7/2000**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**1/8/2013**	**7/10/2013**	**1/9/2014**	**6/7/2000**	**6/7/2000**	**6/7/2000**	**6/6/2000**	**6/6/2000**	**6/6/2000**	**6/6/2000**	**1/15/2003**	**2/26/2008**	**4/22/2010**
Laboratory		**STL- North Canton**	**STL- North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**Pace Analytical**	**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**
CONSTITUENT (µg/L)																			
1,1,1-Trichloroethane	not established	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0
1,1,2-Trichloroethane	16	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0
1,1-Dichloroethene	7100	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0
1,1-Dichloroethane	not established	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0
1,4-Dioxane	not established	<250	<250	NA	<100	<100	<50	<50	<150	<250	<250	<250	<250	<250	<250	<250	<200	<250	<250
Chloroethane	not established	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<1.0	<10.0	<10.0
Chloroform	470	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0
cis-1,2-Dichloroethene	not established	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.50	<2.5	<2.5
Ethylbenzene	2100	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0
p-Isopropyltoluene	not established	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0
Toluene	5980	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0
trans-1,2-Dichloroethene	10000	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.50	<2.5	<2.5
Trichloroethene	30	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0
Vinyl Chloride	2.4	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	<2.0	NA	NA	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		**Manson Branch #15 (MB#15)**									**Manson Branch #16 (MB#16)**								
Sample Location		**Surface water in Manson Branch located about 450 ft downstream of Hwy 24 bridge**									**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**	**1/9/2014**	**1/15/2003**	**2/27/2008**	**4/21/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**1/8/2013**	**7/10/2013**	**1/9/2014**
Laboratory		**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**Pace Analytical**	**STL- North Canton**	**TestAmerica - North Canton**	**TestAmerica - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**Pace Analytical**
CONSTITUENT (µg/L)																			
1,1,1-Trichloroethane	not established	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
1,4-Dioxane	not established	<200	<250	<250	NA	<100	<100	<50	<50	<150	<200	<250	<250	NA	<100		<50	<50	<150
Chloroethane	not established	<1.0	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<5.0	<5.0		<1.0	<1.0	<1.0
Chloroform	470	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	<0.50	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<2.5	<2.5	<1.0	<1.0	Not	<1.0	<1.0	<1.0
Ethylbenzene	2100	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	Sampled	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	NA	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<5.0	<5.0	<1.0	<1.0	Location	<1.0	<1.0	<1.0
Toluene	5980	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	Dry	<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	<1.0	<1.0	<0.50	<2.5	<2.5	<1.0	<1.0		<1.0	<1.0	<1.0
Trichloroethene	30	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0
Vinyl Chloride	2.4	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<2.0	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 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**	**1/9/2014**
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**	**Pace Analytical**
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	<1.0
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	<1.0
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**	<1.0
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	<1.0
1,4-Dioxane	not established	<250	<250	<200	<250	<250	<250	<250	<250	<250	NA	<100	<100	<100	NA	<50	<50	<50	<150
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	<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	<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**	**3**
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	<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	<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	<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	<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**	**2.5**
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	<1.0
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	NA

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

Sample Identification		**Seep A**							**Seep B**														
Sample Location		**Northeast CornerThermo 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**	**2/26/2008**	**4/21/2010**	**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**
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 - North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**
CONSTITUENT (µg/L)																							
1,1,1-Trichloroethane	not established	<1.0		<5.0	<5.0		<5.0		<1.0	<5.0	<5.0	<5.0	**10**	<5.0				<1.0			<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<1.0		<5.0	<5.0		<5.0		<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<1.0		<5.0	<5.0		<5.0		<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<1.0		<5.0	<5.0		<5.0		<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	<1.0
1,4-Dioxane	not established	<200		<250	<250		<250		<200	<250	<250	<250	<420	<250				<100			NA	<50	<50
Chloroethane	not established	<1.0		<5.0	<5.0		<10.0		<1.0	<5.0	<5.0	<5.0	<8.4	<10.0				<5.0			<5.0	<1.0	<1.0
Chloroform	470	<1.0		<5.0	<5.0		<5.0		<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	<0.50	DRY	<5.0	<5.0	DRY	<2.5	DRY	<0.50	<5.0	<5.0	<5.0	**16**	<2.5	DRY	DRY	DRY	<1.0	DRY	DRY	<1.0	<1.0	**27**
Ethylbenzene	2100	<1.0	Not Sampled	<5.0	<5.0	Not Sampled	<5.0	Not Sampled	<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
p-Isopropyltoluene	not established	NA		NA	NA		<5.0		NA	NA	NA	NA	NA	<5.0				<1.0			<1.0	<1.0	<1.0
Toluene	5980	<1.0		<5.0	<5.0		<5.0		<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0			<1.0	<1.0	**12**
trans-1,2-Dichloroethene	10000	<0.50		<5.0	<5.0		<2.5		<0.50	<5.0	<5.0	<5.0	<8.4	<2.5				<1.0			<1.0	<1.0	<1.0
Trichloroethene	30	<1.0		<5.0	<5.0		<5.0		<1.0	<5.0	<5.0	<5.0	**41**	<5.0				**2.9**			<1.0	<1.0	**6.3**
Vinyl Chloride	2.4	<1.0		<2.0	<2.0		<2.0		<1.0	<2.0	<2.0	<2.0	<3.3	<2.0				<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			<5.0	NA	NA

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

Sample Identification		**Seep B**		**Seep C**												**Seep D**						
Sample Location		**Thermo King Eastern Parcel**		**Thermo King Eastern Parcel, down slope of the draw**												**Thermo King Eastern Parcel**						
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**7/10/2013**	**1/9/2014**	**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**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**
Laboratory		**TestAmerica - NorthCanton**	**Pace Analytical**	**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**	**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	<1.0	**120**	<140	<5.0	**380**	**380**	**49**	**28**	NA	**32**	**32**	<1.0	Not	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	16	<1.0	<1.0	<25	<140	<5.0	<310	<190	<10.0	<12	NA	**1.0**	<1.0	<1.0	Sampled	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	7100	<1.0	<1.0	**110**	<140	<5.0	<310	**240**	**99**	**64**	NA	**87**	**140**	**1.8**	Seep C	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	not established	<1.0	<1.0	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	**4.0**	**7.3**	covered	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dioxane	not established	<50	<150	<1200	<7100	<250	<16000	<9600	<500	<620	NA	NA	<100	<100	with	<200	<250	<250	<250	<250	<250	<250
Chloroethane	not established	<1.0	<1.0	<25	<140	<5.0	<310	<190	<20.0	<25	NA	<5.0	<5.0	<5.0	rip-rap	<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0
Chloroform	470	<1.0	<1.0	<25	<140	<5.0	<310	<190	<10.0	<12	NA	**2.3**	**2.5**	<1.0		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	not established	**5.2**	**3**	**13**	<140	<5.0	<310	<190	**11**	**12**	NA	**19**	**130**	**32**		<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5
Ethylbenzene	2100	<1.0	<1.0	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	<1.0	**25**		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
p-Isopropyltoluene	not established	<1.0	<1.0	NA	NA	NA	NA	NA	<10.0	<12	NA	<1.0	<1.0	<1.0		NA	NA	NA	NA	NA	<5.0	<5.0
Toluene	5980	**1.5**	<1.0	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	<1.0	**180**		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	10000	<1.0	<1.0	<12	<140	<5.0	<310	<190	<5.0	<12	NA	<1.0	<1.0	<1.0		<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5
Trichloroethene	30	**1.2**	**1.4**	**840**	**720**	<5.0	**1300**	**1000**	**670**	**500**	NA	**530**	**880**	<1.0		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	2.4	<1.0	<1.0	<25	<57	<2.0	<120	<77	<10.0	<12	NA	<1.0	**11**	**14**		<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<20	NA	NA		NA	NA	NA	NA	NA	NA	NA

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

Sample Identification		**Seep G**															
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**	**June 2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**	**1/9/2014**
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**	**AES-Atlanta**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**TestAmerica - NorthCanton**	**Pace Analytical**
CONSTITUENT (µg/L)																	
1,1,1-Trichloroethane	not established	<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	<1.0
1,1,2-Trichloroethane	16	<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	<1.0
1,1-Dichloroethene	7100	<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	<1.0
1,1-Dichloroethane	not established	<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	<1.0
1,4-Dioxane	not established	<200	<250	<250	<360	<250	<250	<250		<100	<100	<100	NA	<50	<50	<50	<150
Chloroethane	not established	<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	<1.0
Chloroform	470	<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	<1.0
cis-1,2-Dichloroethene	not established	**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**	**3.2**
Ethylbenzene	2100	<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	<1.0
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<5.0	<5.0		<1.0	<1.0	<1.0	**2.6**	<1.0	<1.0	<1.0	<1.0
Toluene	5980	<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	<1.0
trans-1,2-Dichloroethene	10000	<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	<1.0
Trichloroethene	30	<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	<1.0
Vinyl Chloride	2.4	<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	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA		NA	NA	<5.0	<5.0	NA	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**	**1/9/2014**
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**	**Pace Analytical**
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**	**4**
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	<1.0
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**	**29.1**
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	<1.0
1,4-Dioxane	not established	<200	<250	<420	<250	<250	<250	<250	<100		<100	<100	<100	NA	<1000	<130	<84	<150
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	<1.0
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	<1.0
cis-1,2-Dichloroethene	not established	**6.9**	**12**	**30**	**13**	**27**	<2.5	**26**	**63**	DRY	**16**	**110**	**120**	**64**	**47**	**45**	**64**	**22.3**
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	<1.0
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	<1.0
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**	<1.0
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	<1.0
Trichloroethene	30	**24**	**15**	<8.4	<5.0	**7.1**	**5.1**	**38**	**41**		**2.0**	<1.0	**800**	**550**	**610**	**530**	**490**	**180**
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	<1.0
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	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**	**1/9/2014**
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**	**Pace Analytical**
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	<1.0
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	<1.0
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	<1.0
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	<1.0
1,4-Dioxane	not established	<200	<250	<250		<250	<250	<250	NA	<100	<100		NA	<50	<50	<50	<150
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	<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	<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**	<1.0
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	<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	<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	<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	<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**	<1.0
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	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA		NA	NA	NA	<2.0	NA	NA		<5.0	NA	NA	NA	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**	**1/9/2014**
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**	**Pace Analytical**
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	<1.0
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	<1.0
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	<1.0
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	<1.0
1,4-Dioxane	not established	<250	<250	<250	<250	<250		<50		<100			NA	<50	<50	<50	<150
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	<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	<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	<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	<1.0
p-Isopropyltoluene	not established	NA	NA	NA	NA	<5.0		<1.0		<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	<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	<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	<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	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA		NA		NA			<5.0	NA	NA	<1.0	NA

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

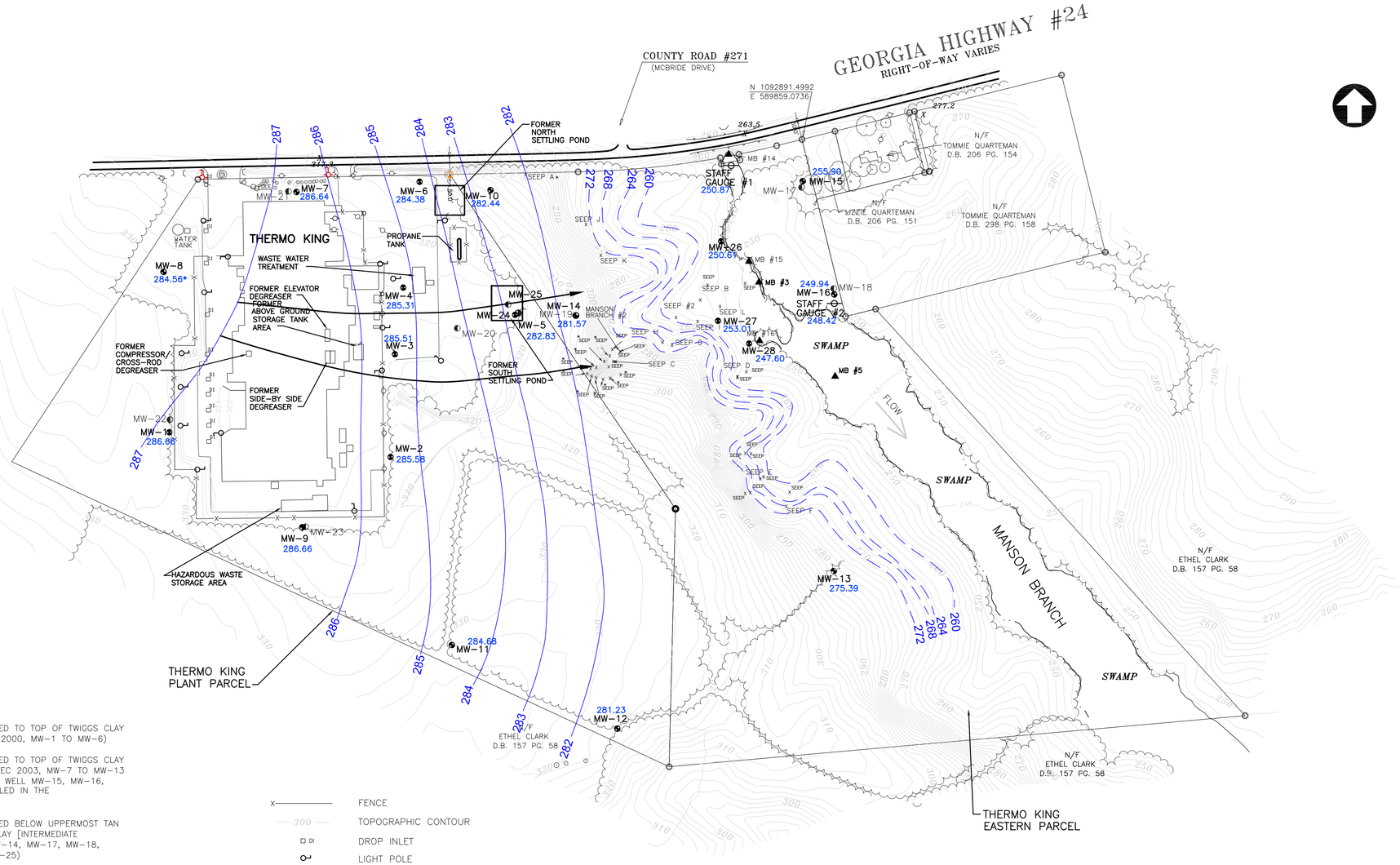
BOLD Detected Concentration

Prepared by/Date: MHA 2/14/2014
Checked by/Date: RNO 3/4/2014

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.	6	8/24/2013 through 9/20/2013	H02101561 9/30/2013	Data evaluation of field data and laboratory analytical results for preparation of the VRP Status Report No. 5. Preparation of tables, figures, appendices, and text for the VRP Status Report No. 5 and submittal of report to EPD. Review and revision of the covenant based on EPD's July 22, 2013 comments. Submittal of draft convenant to Thermo King and Ingersoll Rand for review.
Total Project Hours for Billing Period	43.9			
Gregory J. Wrenn, P.E.	3.5	9/21/2013 through 11/15/2013	H08100719 11/21/2013	Project management for preparation cost projections and task planning. Communications with client. Review of environmental covenant requirements and activities required to implement the covenant.
Total Project Hours for Billing Period	16			
Gregory J. Wrenn, P.E.	1.5	11/16/2013 through 12/31/2013	H08100969 2/5/2014	Preparation for the January 2014 semi-annual groundwater, seep, and surface water sampling event. Procurement of laboratory services, equipment and supplies for the sampling event. Review client's comments on the environmental covenant. General project management. Initial preparation of VRP Status Report No 6.
Total Project Hours for Billing Period	25.8			
Gregory J. Wrenn, P.E.	2.5	1/1/2014 through 1/31/2014	H08100971 2/5/2014	Conducted the first 2014 semi-annual groundwater, seep, and surface water sampling event. General project management and communications with client. Preparation of the VRP Status Report No. 6
Total Project Hours for Billing Period	98			
Gregory J. Wrenn, P.E.	2.5	2/1/2014 through 2/21/2014	H08100990 2/26/2014	Data evaluation of semi-annual water monitoring field and laboratory data. Preparation of tables, figures, appendices, and text for Status Report No. 6. General project management.
Total Project Hours for Billing Period	67.9			
Total Hours for PE Gregory J. Wrenn	**16**			
Total Project Hours	**251.6**			

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 L Manson Branch #2, and Seep #2)
X SEEP 252.9	WATER SEEP WITH ELEVATION
MB #14	MANSON BRANCH SURFACE WATER SAMPLING LOCATION (MB#3, MB#5, 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
286.90	GROUND-WATER ELEVATION IN FEET, NAVD 1988 (JANUARY 7, 2014)
284	POTENTIOMETRIC SURFACE CONTOUR IN FEET, NAVD 1988 IN UPPERMOST WATER-BEARING ZONE
	INTERPRETED DIRECTION OF GROUND-WATER FLOW IN UPPERMOST WATER-BEARING ZONE
X	SEEPS NOT USED IN CONTORING
*	MW-8 NOT USED IN CONTOURING
NOTE:	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 2/17/2014

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

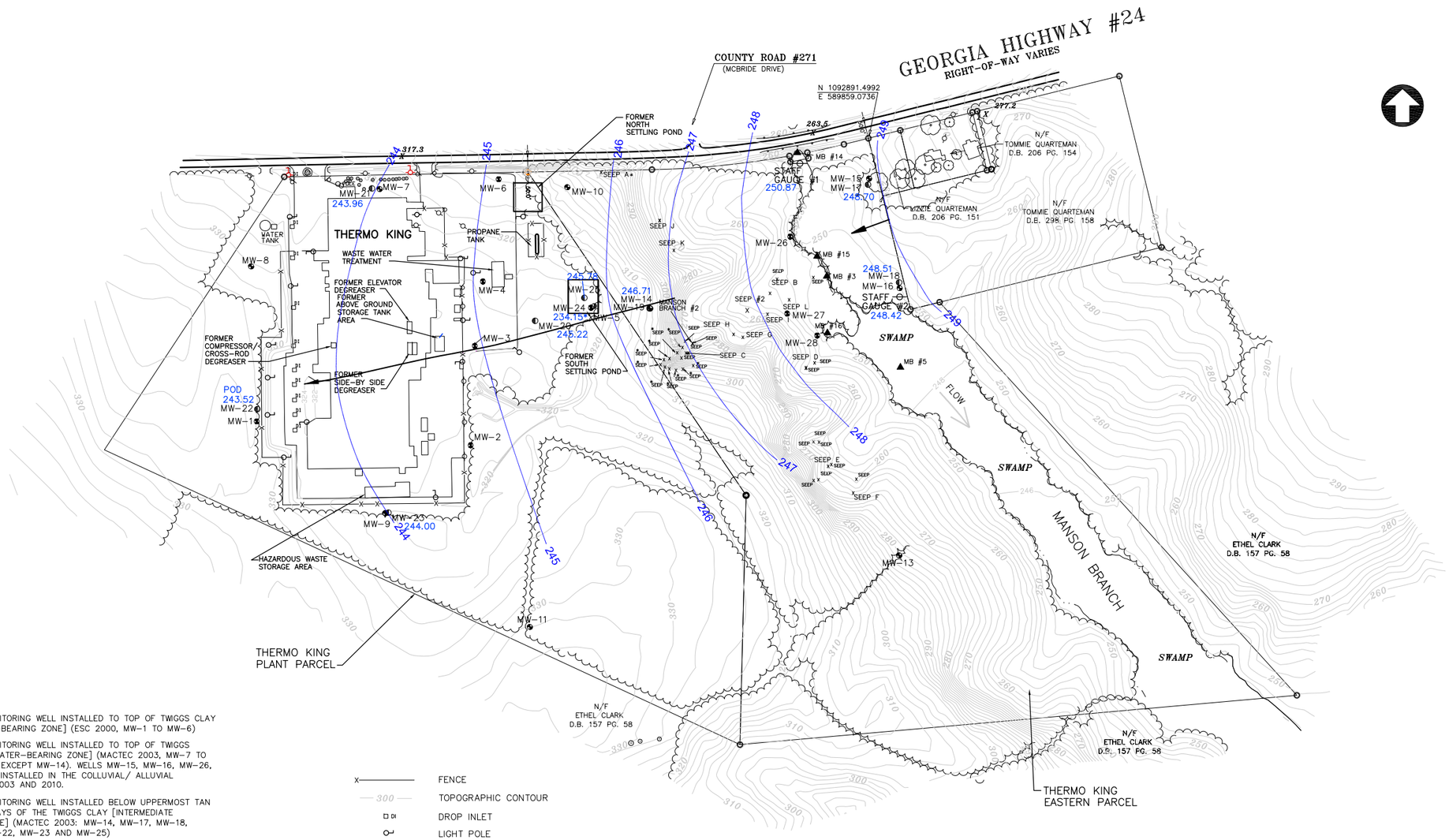
AMEC Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

POTENTIOMETRIC SURFACE MAP FOR UPPERMOST WATER-BEARING ZONE JANUARY 2014

FIGURE: 1

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

J:\Thermo King\JANUARY 2014\POTMAP-UPPERMOST_JAN 2014.dwg - Layout1 03/06/2014 4:42pm 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 L, Manson Branch #2, and Seep #2)
SEEP 274.0	WATER SEEP WITH ELEVATION
MB #14	MANSON BRANCH SURFACE WATER SAMPLING LOCATION (MB#3, MB#5, 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
245.96	GROUND-WATER ELEVATION IN FEET, NAVD 1988 (JANUARY 2014)
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 2/17/2014

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 JANUARY 2014

FIGURE: 2

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

J:\Thermo King\JANUARY 2014\POT-JAN INTERMEDIATE 2014.dwg - Layout1 03/06/2014 4:41pm Tonya.gladstone

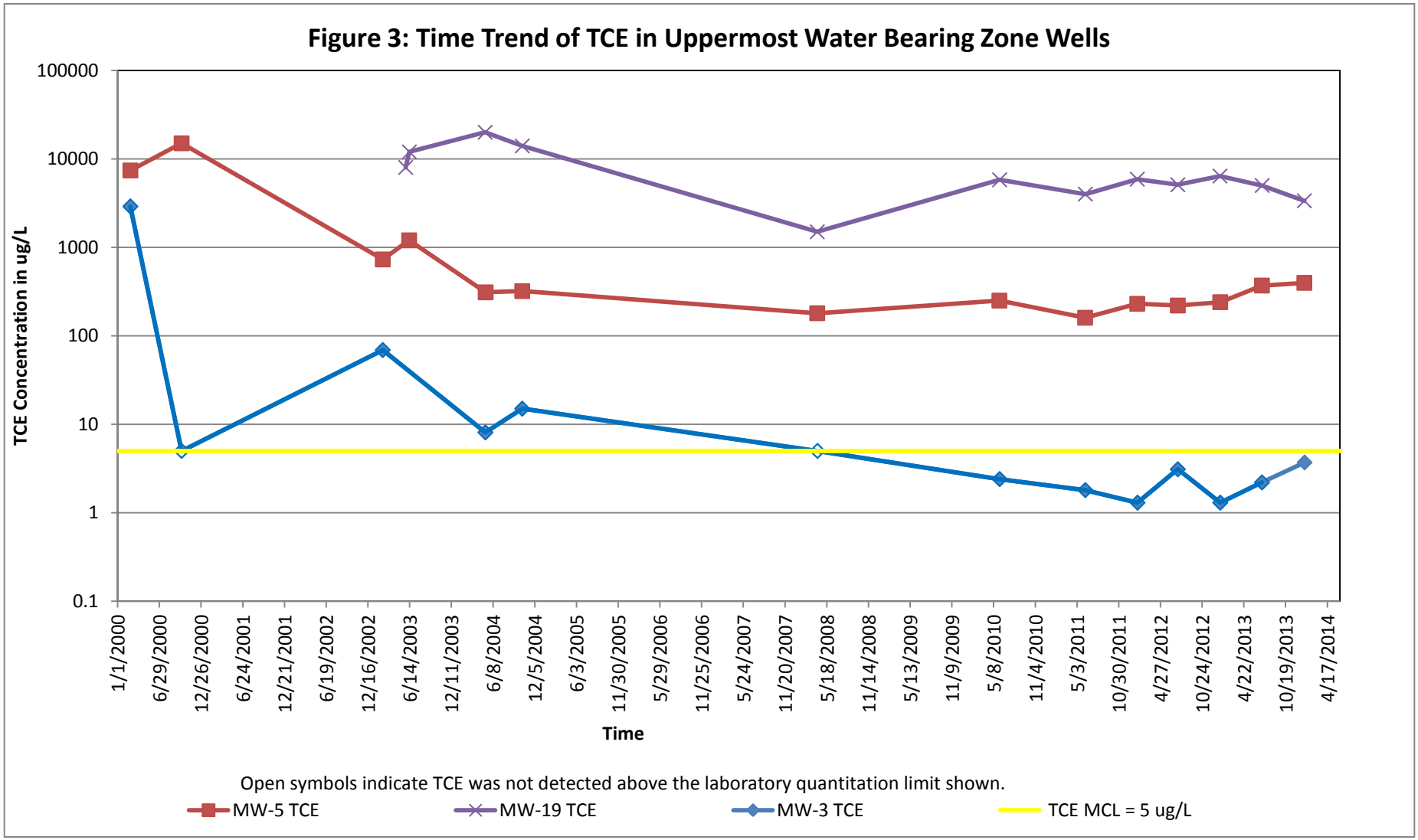


Figure 3: Time Trend of TCE in Uppermost Water Bearing Zone Wells
TCE Concentration in ug/L
100000
10000
1000
100
10
1
0.1
1/1/2000
6/29/2000
12/26/2000
6/24/2001
12/21/2001
6/19/2002
12/16/2002
6/14/2003
12/11/2003
6/8/2004
12/5/2004
6/3/2005
11/30/2005
5/29/2006
11/25/2006
5/24/2007
11/20/2007
5/18/2008
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
4/17/2014
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

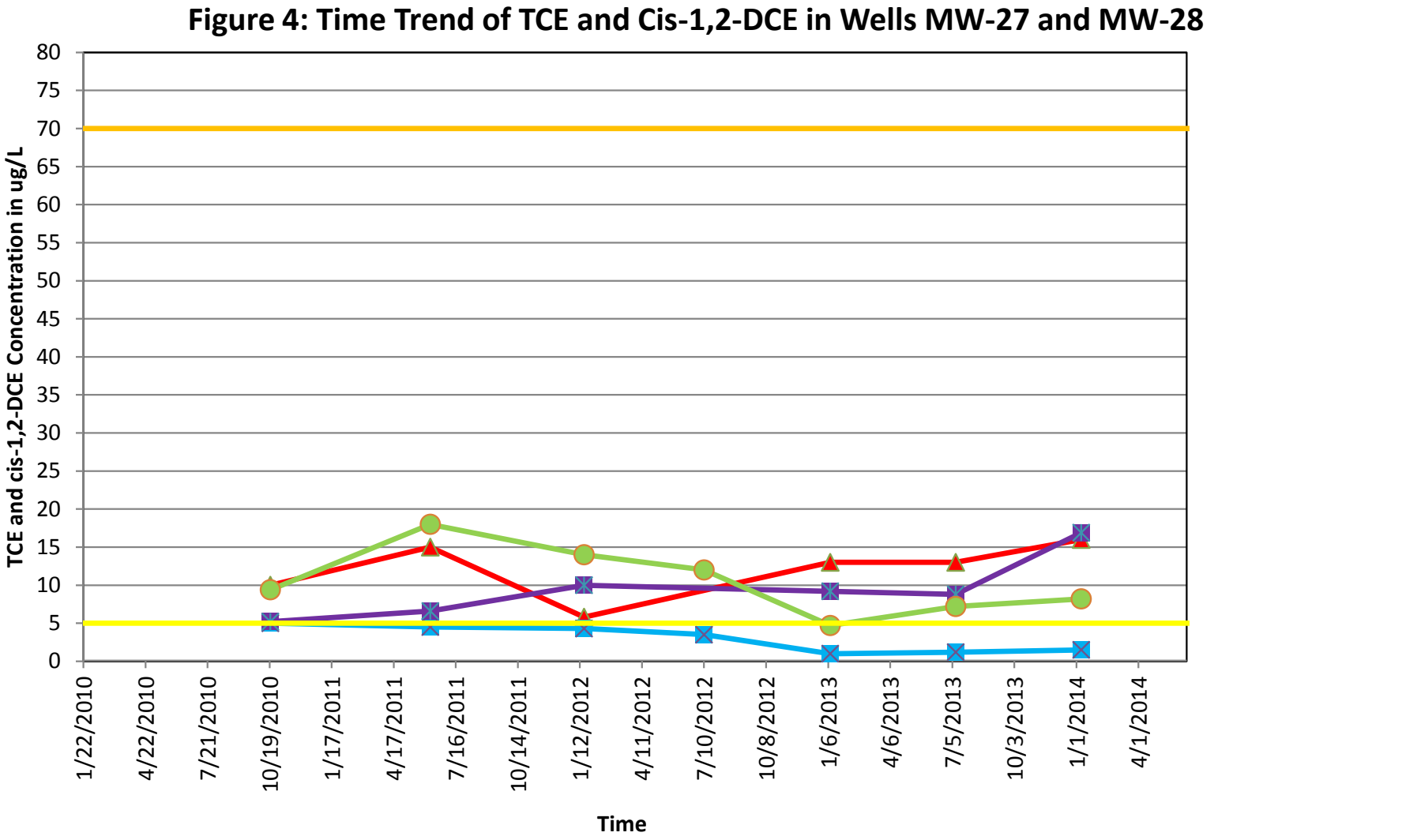


Figure 4: Time Trend of TCE and Cis-1,2-DCE in Wells MW-27 and MW-28
TCE and cis-1,2-DCE Concentration in ug/L
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
1/22/2010
4/22/2010
7/21/2010
10/19/2010
1/17/2011
4/17/2011
7/16/2011
10/14/2011
1/12/2012
4/11/2012
7/10/2012
10/8/2012
1/6/2013
4/6/2013
7/5/2013
10/3/2013
1/1/2014
4/1/2014
Time
Open symbols indicate TCE was not detected above the laboratory quantitation limit shown.
MW-27 TCE
MW-28 TCE
MW-27 c12DCE
MW-28 c12DCE
TCE MCL = 5 ug/L
cis12DCE MCL = 70 ug/L

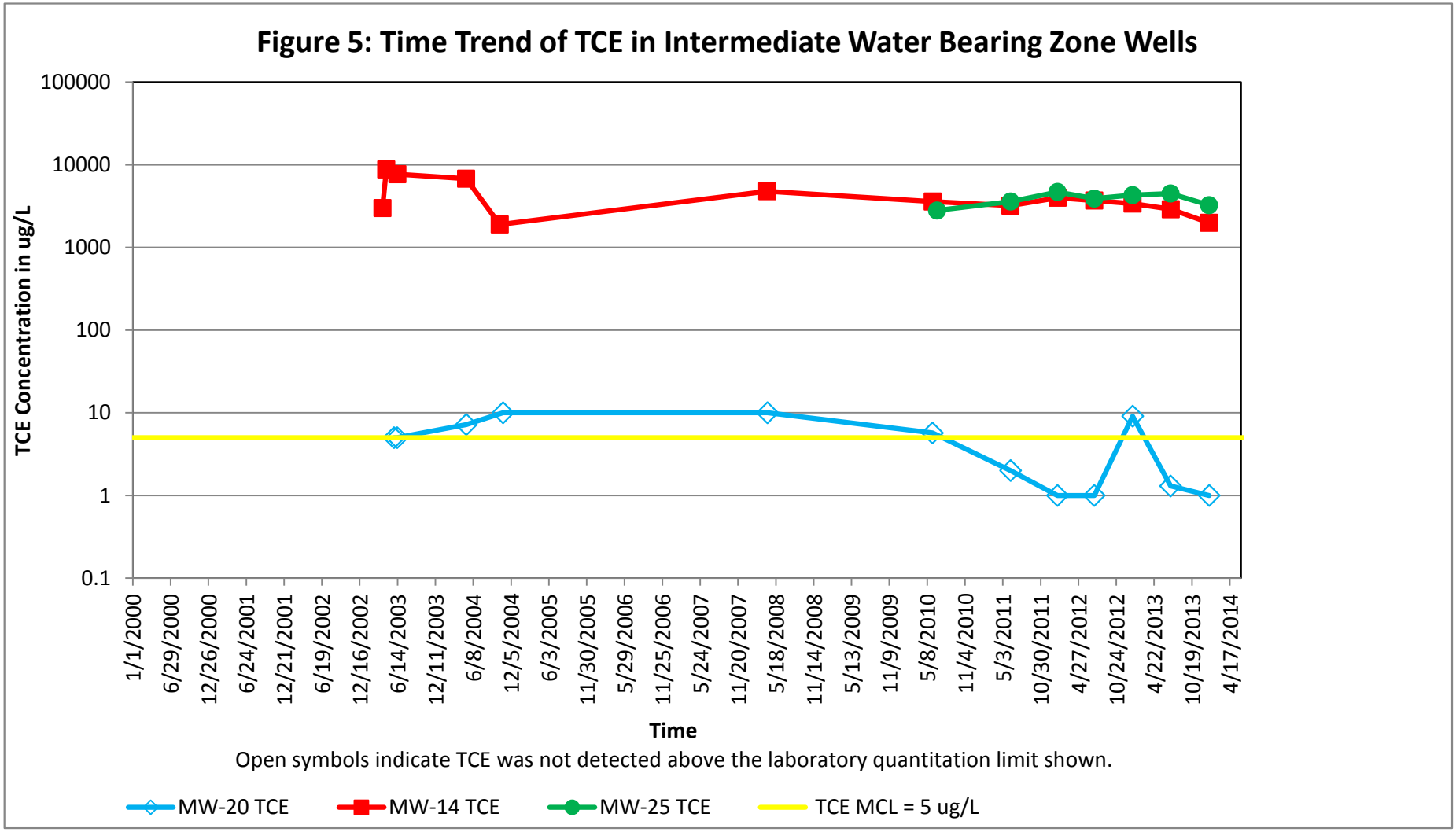
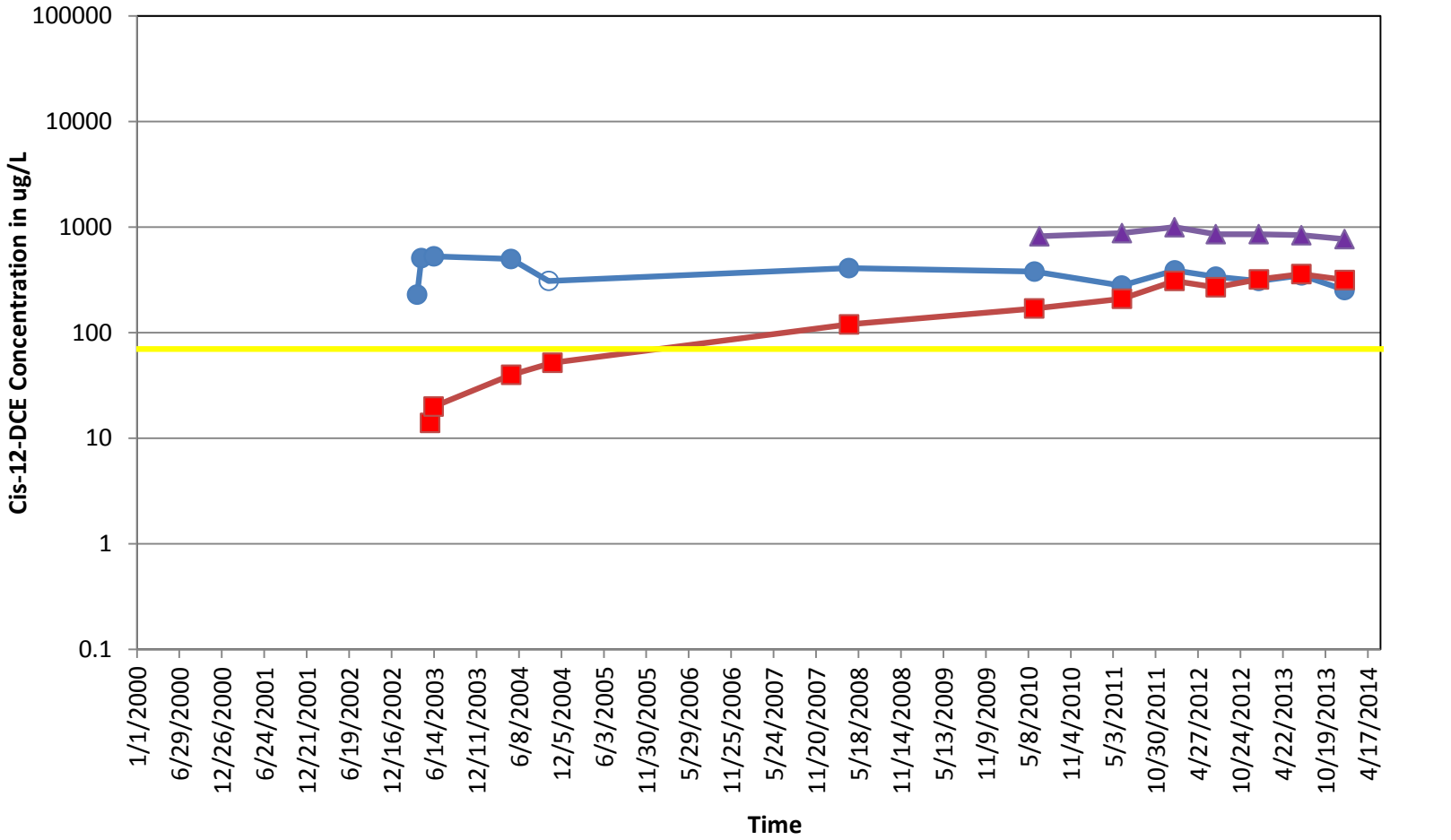


Figure 5: Time Trend of TCE in Intermediate Water Bearing Zone Wells
TCE Concentration in ug/L
100000
10000
1000
100
10
1
0.1
1/1/2000
6/29/2000
12/26/2000
6/24/2001
12/21/2001
6/19/2002
12/16/2002
6/14/2003
12/11/2003
6/8/2004
12/5/2004
6/3/2005
11/30/2005
5/29/2006
11/25/2006
5/24/2007
11/20/2007
5/18/2008
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
4/17/2014
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

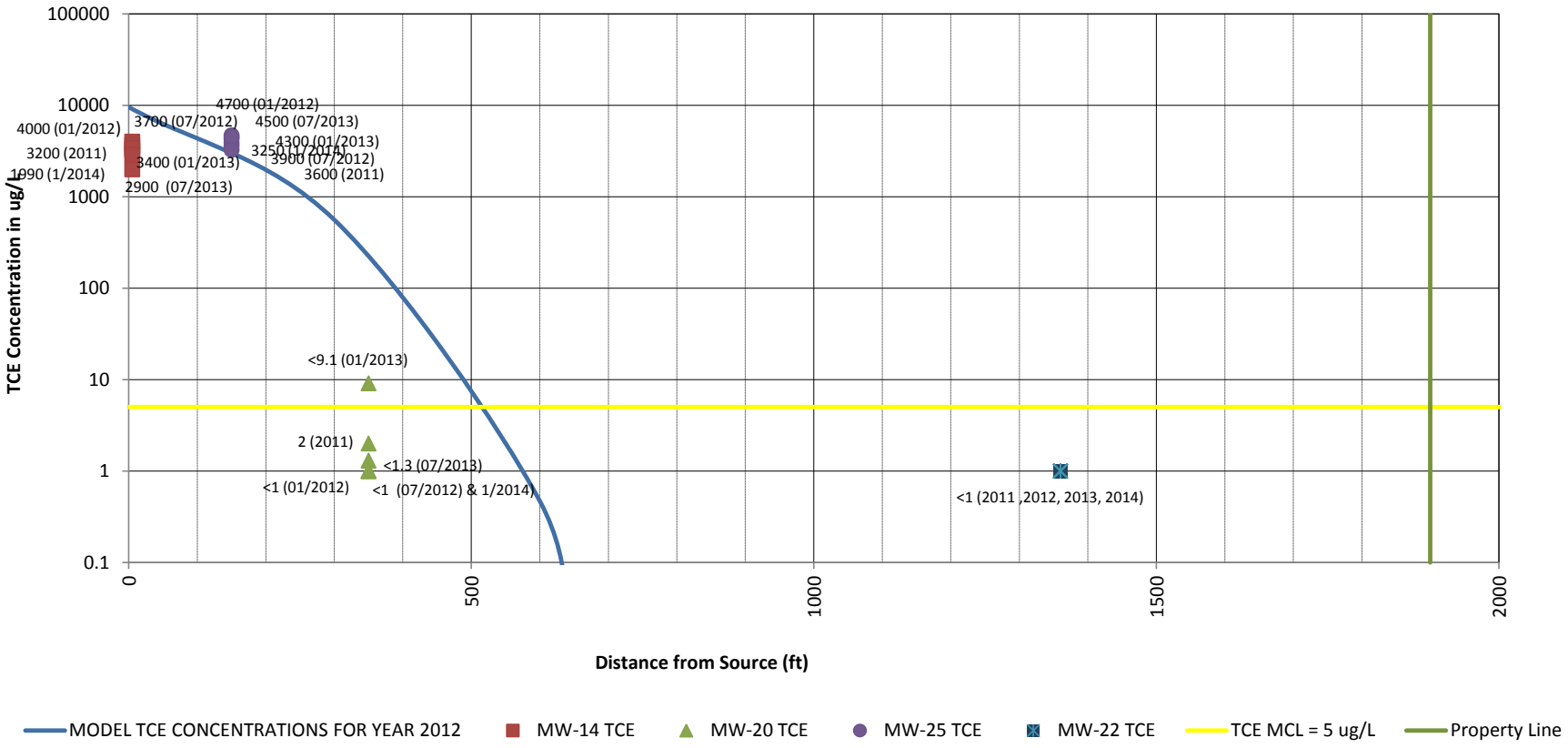
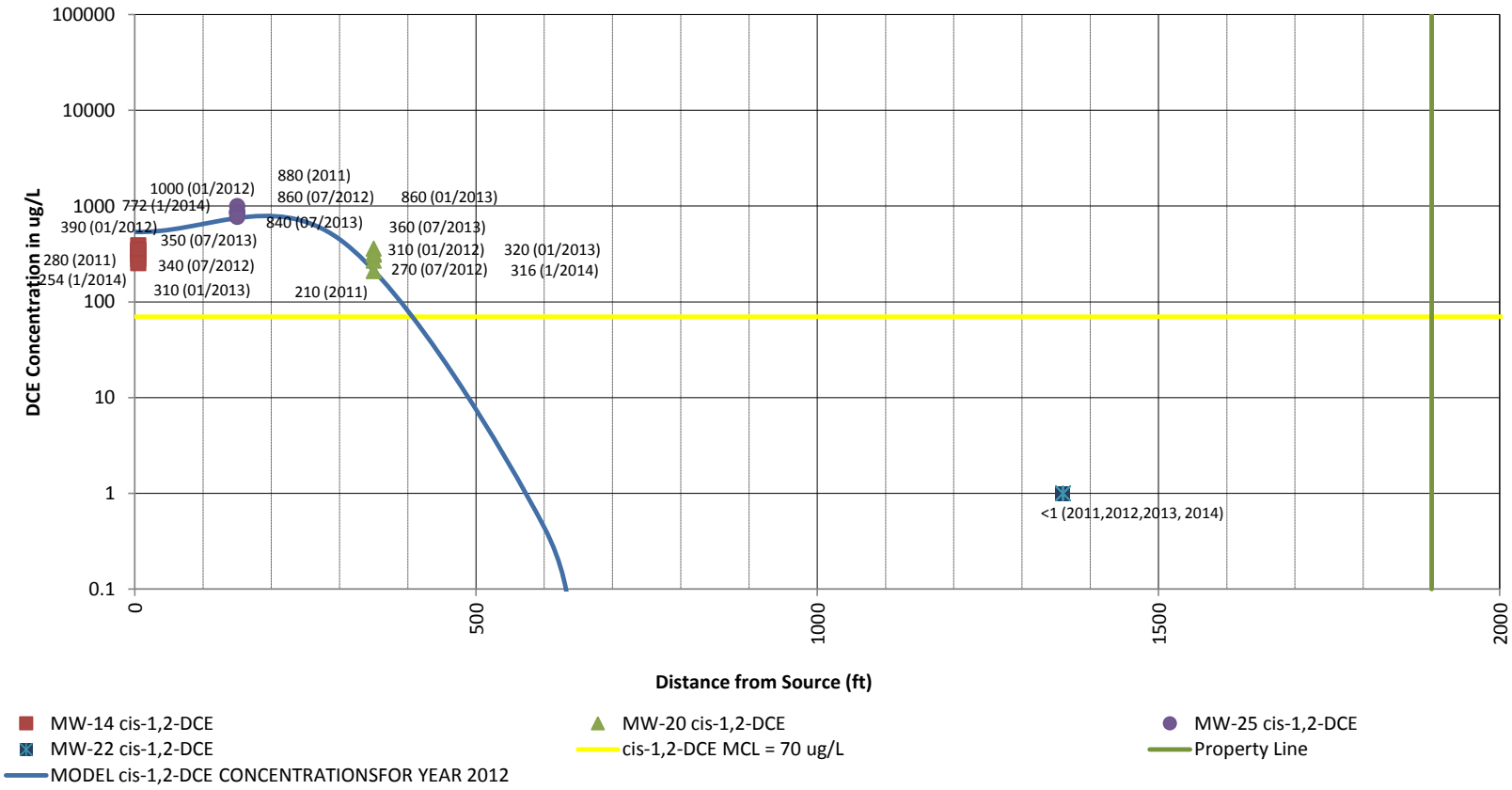


Figure 8: Cis-1,2-DCE in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone



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 CONCENTRATIONSFOR YEAR 2012

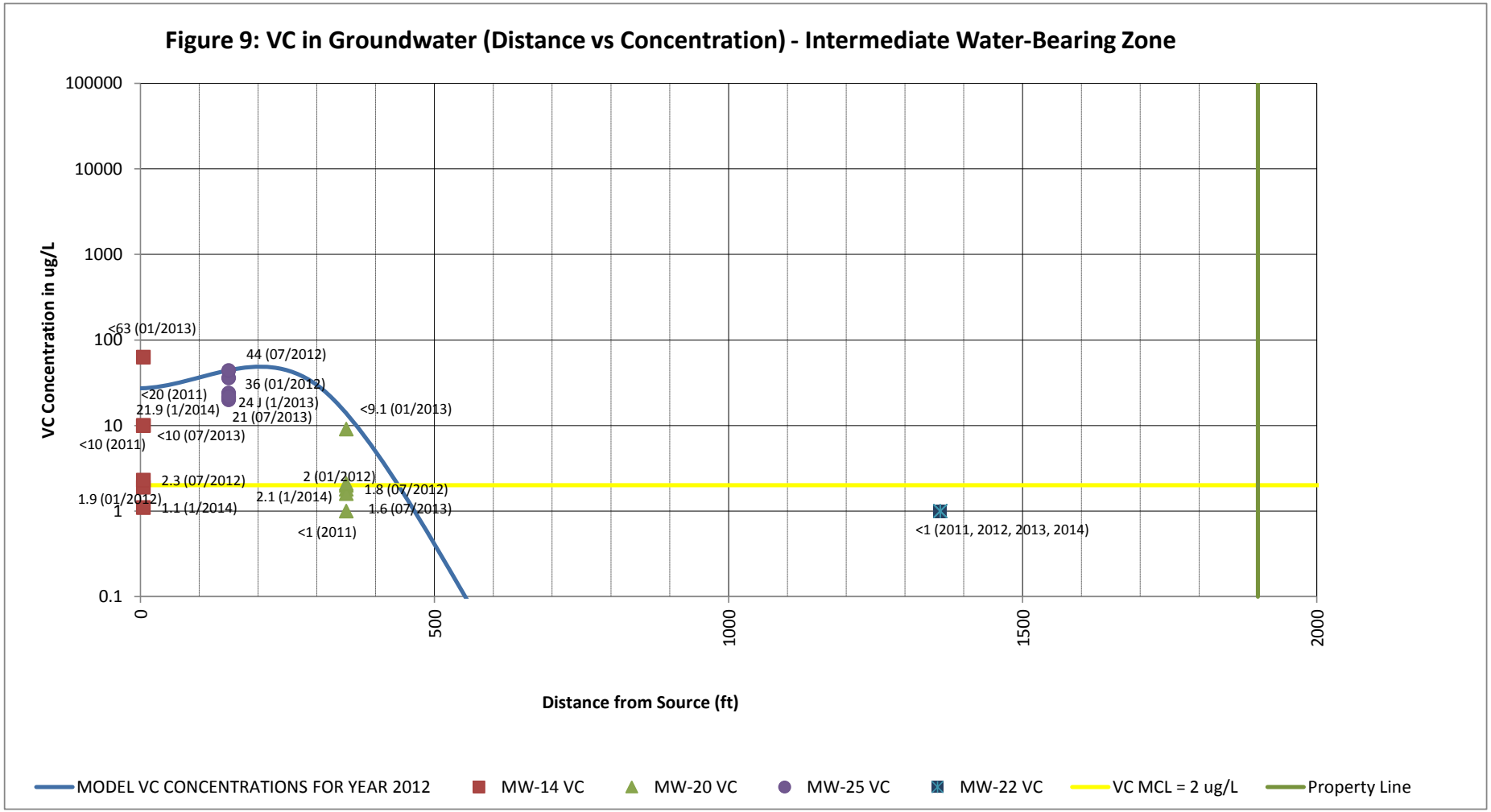
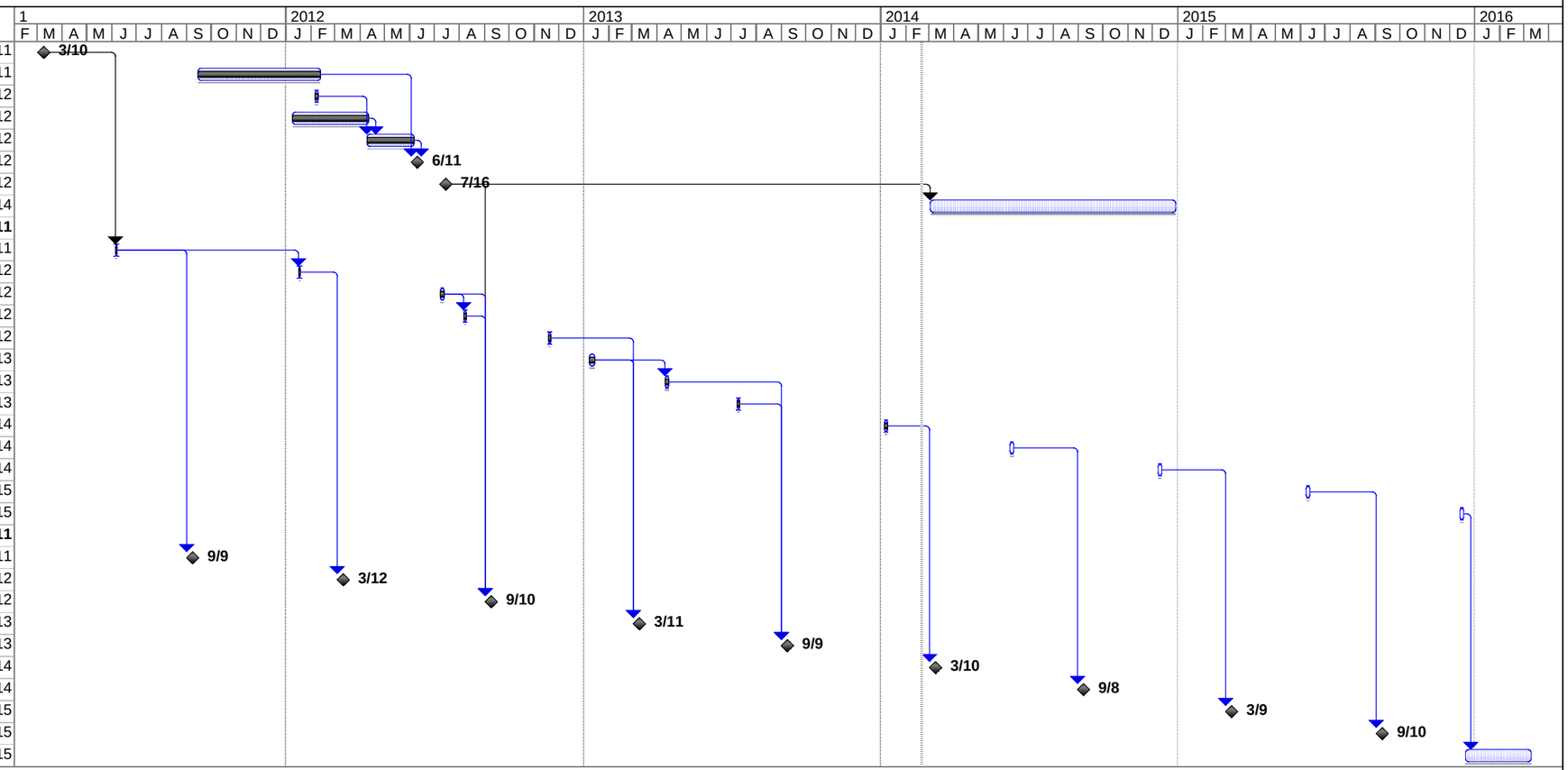


Figure 9: VC in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone
VC Concentration in ug/L
100000
10000
1000
100
10
1
0.1
<63 (01/2013)
44 (07/2012)
36 (01/2012)
<20 (2011)
24 J (1/2013)
21.9 (1/2014)
21 (07/2013)
<9.1 (01/2013)
<10 (07/2013)
<10 (2011)
2.3 (07/2012)
2 (01/2012)
1.8 (07/2012)
1.9 (01/2012)
2.1 (1/2014)
1.1 (1/2014)
1.6 (07/2013)
<1 (2011)
<1 (2011, 2012, 2013, 2014)
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	Mon 3/3/14
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 1/6/14
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 2/20/14

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

Appendix A

LABORATORY REPORT AND FIELD SAMPLING FORMS FOR JANUARY 2014 GROUNDWATER, SEEP, AND SURFACE WATER SAMPLING EVENT

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

January 21, 2014

Rhonda Quinn
Amec
1075 Big Shanty Rd
Suite 100
Kennesaw, GA 30144

RE: Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Dear Rhonda Quinn:
Enclosed are the analytical results for sample(s) received by the laboratory on January 10, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Greg Wrenn, Amec

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Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
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Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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Pace Analytical Services, Inc.
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(336)623-8921

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SAMPLE SUMMARY

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92186031002	**MW-10**	Water	01/07/14 16:32	01/10/14 11:20
92186031003	**MW-5**	Water	01/08/14 11:50	01/10/14 11:20
92186031004	**DUP-1**	Water	01/08/14 12:00	01/10/14 11:20
92186031005	**MW-25**	Water	01/08/14 16:02	01/10/14 11:20
92186031006	**MW-27**	Water	01/08/14 16:36	01/10/14 11:20
92186031007	**MW-14**	Water	01/08/14 14:10	01/10/14 11:20
92186031008	**MW-28**	Water	01/08/14 17:16	01/10/14 11:20
92186031009	**MW-19**	Water	01/08/14 16:25	01/10/14 11:20
92186031010	**EB-1**	Water	01/09/14 09:45	01/10/14 11:20
92186031011	**MW-3**	Water	01/09/14 11:38	01/10/14 11:20
92186031012	**MW-22**	Water	01/09/14 11:20	01/10/14 11:20
92186031013	**MW-20**	Water	01/09/14 14:45	01/10/14 11:20
92186031014	**Manson Branch #2**	Water	01/09/14 13:40	01/10/14 11:20
92186031015	**Seep B**	Water	01/09/14 14:30	01/10/14 11:20
92186031016	**Seep L**	Water	01/09/14 15:30	01/10/14 11:20
92186031017	**Seep I**	Water	01/09/14 14:50	01/10/14 11:20
92186031018	**Seep H**	Water	01/09/14 13:55	01/10/14 11:20
92186031019	**Seep G**	Water	01/09/14 14:15	01/10/14 11:20
92186031020	**Seep 2**	Water	01/09/14 14:35	01/10/14 11:20
92186031021	**MB#5**	Water	01/09/14 16:02	01/10/14 11:20
92186031022	**MB#15**	Water	01/09/14 16:08	01/10/14 11:20
92186031023	**MB#16**	Water	01/09/14 15:55	01/10/14 11:20
92186031024	**MB#3**	Water	01/09/14 16:15	01/10/14 11:20

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SAMPLE ANALYTE COUNT

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92186031002	**MW-10**	EPA 8260	MCK	61	PASI-C
92186031003	**MW-5**	EPA 8260	MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031004	**DUP-1**	EPA 8260	MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031005	**MW-25**	EPA 8260	CAM, MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031006	**MW-27**	EPA 8260	MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031007	**MW-14**	EPA 8260	MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031008	**MW-28**	EPA 8260	MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031009	**MW-19**	EPA 8260	MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031010	**EB-1**	EPA 8260	MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031011	**MW-3**	EPA 8260	MCK	61	PASI-C
92186031012	**MW-22**	EPA 8260	MCK	61	PASI-C
92186031013	**MW-20**	EPA 8260	MCK	61	PASI-C
		EPA 8260B Mod.	MCK	3	PASI-C
92186031014	**Manson Branch #2**	EPA 8260	MCK	61	PASI-C
92186031015	**Seep B**	EPA 8260	MCK	61	PASI-C
92186031016	**Seep L**	EPA 8260	MCK	61	PASI-C
92186031017	**Seep I**	EPA 8260	MCK	61	PASI-C
92186031018	**Seep H**	EPA 8260	CAH, MCK	61	PASI-C
92186031019	**Seep G**	EPA 8260	MCK	61	PASI-C
92186031020	**Seep 2**	EPA 8260	MCK	61	PASI-C
92186031021	**MB#5**	EPA 8260	MCK	61	PASI-C
92186031022	**MB#15**	EPA 8260	MCK	61	PASI-C
92186031023	**MB#16**	EPA 8260	MCK	61	PASI-C
92186031024	**MB#3**	EPA 8260	MCK	61	PASI-C

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PROJECT NARRATIVE

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Method: **EPA 8260**
Description: 8260 MSV Low Level
Client: AMEC Environment & Infrastructure
Date: January 21, 2014

General Information:
23 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/25492

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 1120745)
  - 1,4-Dioxane (p-Dioxane)

QC Batch: MSV/25493

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1120751)
  - 1,4-Dioxane (p-Dioxane)

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Method: **EPA 8260B Mod.**
Description: 8260 MSV SIM
Client: AMEC Environment & Infrastructure
Date: January 21, 2014

General Information:
9 samples were analyzed for EPA 8260B Mod.. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/25536

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92186031007

R1: RPD value was outside control limits.

- MSD (Lab ID: 1123183)
  - 1,4-Dioxane (p-Dioxane)

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-10 **Lab ID: 92186031002** Collected: 01/07/14 16:32 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/15/14 20:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/15/14 20:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/15/14 20:09	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/15/14 20:09	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/15/14 20:09	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/15/14 20:09	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/15/14 20:09	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/15/14 20:09	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/15/14 20:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/15/14 20:09	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/15/14 20:09	75-00-3	
Chloroform	**1.2**	ug/L	1.0	0.14	1		01/15/14 20:09	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/15/14 20:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/15/14 20:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/15/14 20:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/15/14 20:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/15/14 20:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/15/14 20:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/15/14 20:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/15/14 20:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/15/14 20:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/15/14 20:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/15/14 20:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/15/14 20:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/15/14 20:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/15/14 20:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/15/14 20:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/15/14 20:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/15/14 20:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/15/14 20:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/15/14 20:09	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/15/14 20:09	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/15/14 20:09	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/15/14 20:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/15/14 20:09	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/15/14 20:09	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/15/14 20:09	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/15/14 20:09	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/15/14 20:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/15/14 20:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/15/14 20:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/15/14 20:09	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/15/14 20:09	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-10 **Lab ID: 92186031002** Collected: 01/07/14 16:32 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/15/14 20:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/15/14 20:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/15/14 20:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/15/14 20:09	79-00-5	
Trichloroethene	**1.2**	ug/L	1.0	0.47	1		01/15/14 20:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/15/14 20:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/15/14 20:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/15/14 20:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/15/14 20:09	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/15/14 20:09	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/15/14 20:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/15/14 20:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		01/15/14 20:09	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		01/15/14 20:09	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		01/15/14 20:09	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-5 **Lab ID: 92186031003** Collected: 01/08/14 11:50 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	2.0	0.50	2		01/14/14 17:43	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.60	2		01/14/14 17:43	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.34	2		01/14/14 17:43	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.36	2		01/14/14 17:43	75-27-4	
Bromoform	ND	ug/L	2.0	0.52	2		01/14/14 17:43	75-25-2	
Bromomethane	ND	ug/L	4.0	0.58	2		01/14/14 17:43	74-83-9	
n-Butylbenzene	ND	ug/L	2.0	0.82	2		01/14/14 17:43	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	0.76	2		01/14/14 17:43	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	0.80	2		01/14/14 17:43	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	0.50	2		01/14/14 17:43	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.46	2		01/14/14 17:43	108-90-7	
Chloroethane	ND	ug/L	2.0	1.1	2		01/14/14 17:43	75-00-3	
Chloroform	**2.3**	ug/L	2.0	0.28	2		01/14/14 17:43	67-66-3	
Chloromethane	ND	ug/L	2.0	0.22	2		01/14/14 17:43	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.70	2		01/14/14 17:43	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.62	2		01/14/14 17:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	2		01/14/14 17:43	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.42	2		01/14/14 17:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	0.54	2		01/14/14 17:43	106-93-4	
Dibromomethane	ND	ug/L	2.0	0.42	2		01/14/14 17:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.60	2		01/14/14 17:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.48	2		01/14/14 17:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.66	2		01/14/14 17:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.42	2		01/14/14 17:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.64	2		01/14/14 17:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.24	2		01/14/14 17:43	107-06-2	
1,1-Dichloroethene	**19.1**	ug/L	2.0	1.1	2		01/14/14 17:43	75-35-4	
cis-1,2-Dichloroethene	**8.1**	ug/L	2.0	0.38	2		01/14/14 17:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.98	2		01/14/14 17:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.54	2		01/14/14 17:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.56	2		01/14/14 17:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.26	2		01/14/14 17:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.98	2		01/14/14 17:43	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	157	2		01/14/14 17:43	123-91-1	
Ethylbenzene	ND	ug/L	2.0	0.60	2		01/14/14 17:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.4	2		01/14/14 17:43	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	0.80	2		01/14/14 17:43	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	0.62	2		01/14/14 17:43	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1.9	2		01/14/14 17:43	75-09-2	
Naphthalene	ND	ug/L	2.0	0.48	2		01/14/14 17:43	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	0.84	2		01/14/14 17:43	103-65-1	
Styrene	ND	ug/L	2.0	0.52	2		01/14/14 17:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.66	2		01/14/14 17:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.80	2		01/14/14 17:43	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.92	2		01/14/14 17:43	127-18-4	
Toluene	ND	ug/L	2.0	0.52	2		01/14/14 17:43	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-5 **Lab ID: 92186031003** Collected: 01/08/14 11:50 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.66	2		01/14/14 17:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.70	2		01/14/14 17:43	120-82-1	
1,1,1-Trichloroethane	**2.3**	ug/L	2.0	0.96	2		01/14/14 17:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.58	2		01/14/14 17:43	79-00-5	
Trichloroethene	**397**	ug/L	10.0	4.7	10		01/16/14 01:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.40	2		01/14/14 17:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.82	2		01/14/14 17:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	0.62	2		01/14/14 17:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	0.72	2		01/14/14 17:43	108-67-8	
Vinyl chloride	ND	ug/L	2.0	1.2	2		01/14/14 17:43	75-01-4	
m&p-Xylene	ND	ug/L	4.0	1.3	2		01/14/14 17:43	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.46	2		01/14/14 17:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		2		01/14/14 17:43	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		2		01/14/14 17:43	17060-07-0	
Toluene-d8 (S)	101	%	70-130		2		01/14/14 17:43	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/16/14 16:34	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%	50-150		1		01/16/14 16:34	17060-07-0	
Toluene-d8 (S)	102	%	50-150		1		01/16/14 16:34	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: DUP-1 **Lab ID: 92186031004** Collected: 01/08/14 12:00 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	2.0	0.50	2		01/15/14 22:02	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.60	2		01/15/14 22:02	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.34	2		01/15/14 22:02	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.36	2		01/15/14 22:02	75-27-4	
Bromoform	ND	ug/L	2.0	0.52	2		01/15/14 22:02	75-25-2	
Bromomethane	ND	ug/L	4.0	0.58	2		01/15/14 22:02	74-83-9	
n-Butylbenzene	ND	ug/L	2.0	0.82	2		01/15/14 22:02	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	0.76	2		01/15/14 22:02	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	0.80	2		01/15/14 22:02	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	0.50	2		01/15/14 22:02	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.46	2		01/15/14 22:02	108-90-7	
Chloroethane	ND	ug/L	2.0	1.1	2		01/15/14 22:02	75-00-3	
Chloroform	**2.4**	ug/L	2.0	0.28	2		01/15/14 22:02	67-66-3	
Chloromethane	ND	ug/L	2.0	0.22	2		01/15/14 22:02	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.70	2		01/15/14 22:02	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.62	2		01/15/14 22:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	5.0	2		01/15/14 22:02	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.42	2		01/15/14 22:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	0.54	2		01/15/14 22:02	106-93-4	
Dibromomethane	ND	ug/L	2.0	0.42	2		01/15/14 22:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.60	2		01/15/14 22:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.48	2		01/15/14 22:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.66	2		01/15/14 22:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.42	2		01/15/14 22:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.64	2		01/15/14 22:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	0.24	2		01/15/14 22:02	107-06-2	
1,1-Dichloroethene	**19.6**	ug/L	2.0	1.1	2		01/15/14 22:02	75-35-4	
cis-1,2-Dichloroethene	**8.5**	ug/L	2.0	0.38	2		01/15/14 22:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.98	2		01/15/14 22:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.54	2		01/15/14 22:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.56	2		01/15/14 22:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.26	2		01/15/14 22:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.98	2		01/15/14 22:02	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	157	2		01/15/14 22:02	123-91-1	
Ethylbenzene	ND	ug/L	2.0	0.60	2		01/15/14 22:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.4	2		01/15/14 22:02	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	0.80	2		01/15/14 22:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	0.62	2		01/15/14 22:02	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1.9	2		01/15/14 22:02	75-09-2	
Naphthalene	ND	ug/L	2.0	0.48	2		01/15/14 22:02	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	0.84	2		01/15/14 22:02	103-65-1	
Styrene	ND	ug/L	2.0	0.52	2		01/15/14 22:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.66	2		01/15/14 22:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.80	2		01/15/14 22:02	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.92	2		01/15/14 22:02	127-18-4	
Toluene	ND	ug/L	2.0	0.52	2		01/15/14 22:02	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: DUP-1 **Lab ID: 92186031004** Collected: 01/08/14 12:00 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.66	2		01/15/14 22:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.70	2		01/15/14 22:02	120-82-1	
1,1,1-Trichloroethane	**2.4**	ug/L	2.0	0.96	2		01/15/14 22:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.58	2		01/15/14 22:02	79-00-5	
Trichloroethene	**345**	ug/L	20.0	9.4	20		01/14/14 17:59	79-01-6	
Trichlorofluoromethane	**3.3**	ug/L	2.0	0.40	2		01/15/14 22:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.82	2		01/15/14 22:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	0.62	2		01/15/14 22:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	0.72	2		01/15/14 22:02	108-67-8	
Vinyl chloride	ND	ug/L	2.0	1.2	2		01/15/14 22:02	75-01-4	
m&p-Xylene	ND	ug/L	4.0	1.3	2		01/15/14 22:02	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.46	2		01/15/14 22:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		2		01/15/14 22:02	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		2		01/15/14 22:02	17060-07-0	
Toluene-d8 (S)	105	%	70-130		2		01/15/14 22:02	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/16/14 16:54	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	50-150		1		01/16/14 16:54	17060-07-0	
Toluene-d8 (S)	103	%	50-150		1		01/16/14 16:54	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-25 **Lab ID: 92186031005** Collected: 01/08/14 16:02 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	10.0	2.5	10		01/14/14 18:15	71-43-2	
Bromobenzene	ND	ug/L	10.0	3.0	10		01/14/14 18:15	108-86-1	
Bromochloromethane	ND	ug/L	10.0	1.7	10		01/14/14 18:15	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	1.8	10		01/14/14 18:15	75-27-4	
Bromoform	ND	ug/L	10.0	2.6	10		01/14/14 18:15	75-25-2	
Bromomethane	ND	ug/L	20.0	2.9	10		01/14/14 18:15	74-83-9	
n-Butylbenzene	ND	ug/L	10.0	4.1	10		01/14/14 18:15	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	3.8	10		01/14/14 18:15	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	4.0	10		01/14/14 18:15	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	2.5	10		01/14/14 18:15	56-23-5	
Chlorobenzene	ND	ug/L	10.0	2.3	10		01/14/14 18:15	108-90-7	
Chloroethane	ND	ug/L	10.0	5.4	10		01/14/14 18:15	75-00-3	
Chloroform	ND	ug/L	10.0	1.4	10		01/14/14 18:15	67-66-3	
Chloromethane	ND	ug/L	10.0	1.1	10		01/14/14 18:15	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	3.5	10		01/14/14 18:15	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	3.1	10		01/14/14 18:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	25.2	10		01/14/14 18:15	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	2.1	10		01/14/14 18:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	2.7	10		01/14/14 18:15	106-93-4	
Dibromomethane	ND	ug/L	10.0	2.1	10		01/14/14 18:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	3.0	10		01/14/14 18:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	2.4	10		01/14/14 18:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	3.3	10		01/14/14 18:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	2.1	10		01/14/14 18:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	3.2	10		01/14/14 18:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	1.2	10		01/14/14 18:15	107-06-2	
1,1-Dichloroethene	**20.9**	ug/L	10.0	5.6	10		01/14/14 18:15	75-35-4	
cis-1,2-Dichloroethene	**772**	ug/L	10.0	1.9	10		01/14/14 18:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	4.9	10		01/14/14 18:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	2.7	10		01/14/14 18:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	2.8	10		01/14/14 18:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	1.3	10		01/14/14 18:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	4.9	10		01/14/14 18:15	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	1500	784	10		01/14/14 18:15	123-91-1	
Ethylbenzene	ND	ug/L	10.0	3.0	10		01/14/14 18:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.1	10		01/14/14 18:15	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	4.0	10		01/14/14 18:15	98-82-8	
p-Isopropyltoluene	ND	ug/L	10.0	3.1	10		01/14/14 18:15	99-87-6	
Methylene Chloride	ND	ug/L	20.0	9.7	10		01/14/14 18:15	75-09-2	
Naphthalene	ND	ug/L	10.0	2.4	10		01/14/14 18:15	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	4.2	10		01/14/14 18:15	103-65-1	
Styrene	ND	ug/L	10.0	2.6	10		01/14/14 18:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	3.3	10		01/14/14 18:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	4.0	10		01/14/14 18:15	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	4.6	10		01/14/14 18:15	127-18-4	
Toluene	ND	ug/L	10.0	2.6	10		01/14/14 18:15	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-25 **Lab ID: 92186031005** Collected: 01/08/14 16:02 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	10.0	3.3	10		01/14/14 18:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	3.5	10		01/14/14 18:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	4.8	10		01/14/14 18:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	2.9	10		01/14/14 18:15	79-00-5	
Trichloroethene	**3250**	ug/L	100	47.0	100		01/13/14 20:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	2.0	10		01/14/14 18:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	4.1	10		01/14/14 18:15	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	10.0	3.1	10		01/14/14 18:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	10.0	3.6	10		01/14/14 18:15	108-67-8	
Vinyl chloride	**21.9**	ug/L	10.0	6.2	10		01/14/14 18:15	75-01-4	
m&p-Xylene	ND	ug/L	20.0	6.6	10		01/14/14 18:15	179601-23-1	
o-Xylene	ND	ug/L	10.0	2.3	10		01/14/14 18:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		10		01/14/14 18:15	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		10		01/14/14 18:15	17060-07-0	
Toluene-d8 (S)	106	%	70-130		10		01/14/14 18:15	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/16/14 17:14	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	50-150		1		01/16/14 17:14	17060-07-0	
Toluene-d8 (S)	102	%	50-150		1		01/16/14 17:14	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-27 **Lab ID: 92186031006** Collected: 01/08/14 16:36 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/15/14 20:25	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/15/14 20:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/15/14 20:25	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/15/14 20:25	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/15/14 20:25	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/15/14 20:25	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/15/14 20:25	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/15/14 20:25	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/15/14 20:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/15/14 20:25	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/15/14 20:25	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/15/14 20:25	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/15/14 20:25	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/15/14 20:25	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/15/14 20:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/15/14 20:25	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/15/14 20:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/15/14 20:25	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/15/14 20:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/15/14 20:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/15/14 20:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/15/14 20:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/15/14 20:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/15/14 20:25	107-06-2	
1,1-Dichloroethene	**3.6**	ug/L	1.0	0.56	1		01/15/14 20:25	75-35-4	
cis-1,2-Dichloroethene	**16.9**	ug/L	1.0	0.19	1		01/15/14 20:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/15/14 20:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/15/14 20:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/15/14 20:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/15/14 20:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/15/14 20:25	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/15/14 20:25	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/15/14 20:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/15/14 20:25	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/15/14 20:25	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/15/14 20:25	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/15/14 20:25	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/15/14 20:25	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/15/14 20:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/15/14 20:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/15/14 20:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/15/14 20:25	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/15/14 20:25	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-27 **Lab ID: 92186031006** Collected: 01/08/14 16:36 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/15/14 20:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/15/14 20:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/15/14 20:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/15/14 20:25	79-00-5	
Trichloroethene	**16.0**	ug/L	1.0	0.47	1		01/15/14 20:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/15/14 20:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/15/14 20:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/15/14 20:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/15/14 20:25	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/15/14 20:25	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/15/14 20:25	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/15/14 20:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/15/14 20:25	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/15/14 20:25	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		01/15/14 20:25	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/16/14 17:35	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	50-150		1		01/16/14 17:35	17060-07-0	
Toluene-d8 (S)	103	%	50-150		1		01/16/14 17:35	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-14 **Lab ID: 92186031007** Collected: 01/08/14 14:10 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 18:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 18:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 18:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 18:47	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 18:47	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 18:47	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 18:47	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 18:47	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 18:47	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 18:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 18:47	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 18:47	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 18:47	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 18:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 18:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 18:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 18:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 18:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 18:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 18:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 18:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 18:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 18:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 18:47	75-71-8	
1,1-Dichloroethane	**2.3**	ug/L	1.0	0.32	1		01/14/14 18:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 18:47	107-06-2	
1,1-Dichloroethene	**52.4**	ug/L	1.0	0.56	1		01/14/14 18:47	75-35-4	
cis-1,2-Dichloroethene	**254**	ug/L	20.0	3.8	20		01/16/14 01:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 18:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 18:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 18:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 18:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 18:47	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 18:47	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 18:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 18:47	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 18:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 18:47	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 18:47	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 18:47	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 18:47	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 18:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 18:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 18:47	79-34-5	
Tetrachloroethene	**1.6**	ug/L	1.0	0.46	1		01/14/14 18:47	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 18:47	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-14 **Lab ID: 92186031007** Collected: 01/08/14 14:10 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 18:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 18:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 18:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 18:47	79-00-5	
Trichloroethene	**1990**	ug/L	20.0	9.4	20		01/16/14 01:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 18:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 18:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 18:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 18:47	108-67-8	
Vinyl chloride	**1.1**	ug/L	1.0	0.62	1		01/14/14 18:47	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 18:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 18:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/14/14 18:47	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		01/14/14 18:47	17060-07-0	
Toluene-d8 (S)	110	%	70-130		1		01/14/14 18:47	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/17/14 11:16	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	89	%	50-150		1		01/17/14 11:16	17060-07-0	
Toluene-d8 (S)	103	%	50-150		1		01/17/14 11:16	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-28 **Lab ID: 92186031008** Collected: 01/08/14 17:16 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/15/14 20:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/15/14 20:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/15/14 20:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/15/14 20:41	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/15/14 20:41	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/15/14 20:41	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/15/14 20:41	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/15/14 20:41	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/15/14 20:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/15/14 20:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/15/14 20:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/15/14 20:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/15/14 20:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/15/14 20:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/15/14 20:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/15/14 20:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/15/14 20:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/15/14 20:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/15/14 20:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/15/14 20:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/15/14 20:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/15/14 20:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/15/14 20:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/15/14 20:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/15/14 20:41	75-35-4	
cis-1,2-Dichloroethene	**8.2**	ug/L	1.0	0.19	1		01/15/14 20:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/15/14 20:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/15/14 20:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/15/14 20:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/15/14 20:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/15/14 20:41	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/15/14 20:41	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/15/14 20:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/15/14 20:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/15/14 20:41	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/15/14 20:41	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/15/14 20:41	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/15/14 20:41	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/15/14 20:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/15/14 20:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/15/14 20:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/15/14 20:41	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/15/14 20:41	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-28 **Lab ID: 92186031008** Collected: 01/08/14 17:16 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/15/14 20:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/15/14 20:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/15/14 20:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/15/14 20:41	79-00-5	
Trichloroethene	**1.5**	ug/L	1.0	0.47	1		01/15/14 20:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/15/14 20:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/15/14 20:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/15/14 20:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/15/14 20:41	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/15/14 20:41	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/15/14 20:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/15/14 20:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/15/14 20:41	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/15/14 20:41	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		01/15/14 20:41	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/17/14 11:36	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	50-150		1		01/17/14 11:36	17060-07-0	
Toluene-d8 (S)	103	%	50-150		1		01/17/14 11:36	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-19 **Lab ID: 92186031009** Collected: 01/08/14 16:25 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 19:19	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 19:19	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 19:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 19:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 19:19	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 19:19	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 19:19	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 19:19	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 19:19	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 19:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 19:19	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 19:19	75-00-3	
Chloroform	**2.7**	ug/L	1.0	0.14	1		01/14/14 19:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 19:19	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 19:19	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 19:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 19:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 19:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 19:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 19:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 19:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 19:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 19:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 19:19	107-06-2	
1,1-Dichloroethene	**48.2**	ug/L	1.0	0.56	1		01/14/14 19:19	75-35-4	
cis-1,2-Dichloroethene	**23.2**	ug/L	1.0	0.19	1		01/14/14 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 19:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 19:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 19:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 19:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 19:19	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 19:19	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 19:19	100-41-4	
Hexachloro-1,3-butadiene	**2.1**	ug/L	1.0	0.71	1		01/14/14 19:19	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 19:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 19:19	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 19:19	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 19:19	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 19:19	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	**9.2**	ug/L	1.0	0.33	1		01/14/14 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 19:19	79-34-5	
Tetrachloroethene	**2.1**	ug/L	1.0	0.46	1		01/14/14 19:19	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 19:19	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-19 **Lab ID: 92186031009** Collected: 01/08/14 16:25 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 19:19	120-82-1	
1,1,1-Trichloroethane	**7.0**	ug/L	1.0	0.48	1		01/14/14 19:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 19:19	79-00-5	
Trichloroethene	**3360**	ug/L	25.0	11.8	25		01/16/14 01:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 19:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 19:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 19:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 19:19	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 19:19	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 19:19	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 19:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/14/14 19:19	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		01/14/14 19:19	17060-07-0	
Toluene-d8 (S)	113	%	70-130		1		01/14/14 19:19	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/17/14 12:18	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	89	%	50-150		1		01/17/14 12:18	17060-07-0	
Toluene-d8 (S)	104	%	50-150		1		01/17/14 12:18	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: EB-1 **Lab ID: 92186031010** Collected: 01/09/14 09:45 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/15/14 20:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/15/14 20:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/15/14 20:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/15/14 20:58	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/15/14 20:58	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/15/14 20:58	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/15/14 20:58	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/15/14 20:58	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/15/14 20:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/15/14 20:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/15/14 20:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/15/14 20:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/15/14 20:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/15/14 20:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/15/14 20:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/15/14 20:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/15/14 20:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/15/14 20:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/15/14 20:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/15/14 20:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/15/14 20:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/15/14 20:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/15/14 20:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/15/14 20:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/15/14 20:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/15/14 20:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/15/14 20:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/15/14 20:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/15/14 20:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/15/14 20:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/15/14 20:58	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/15/14 20:58	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/15/14 20:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/15/14 20:58	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/15/14 20:58	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/15/14 20:58	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/15/14 20:58	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/15/14 20:58	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/15/14 20:58	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/15/14 20:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/15/14 20:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/15/14 20:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/15/14 20:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/15/14 20:58	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: EB-1 **Lab ID: 92186031010** Collected: 01/09/14 09:45 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/15/14 20:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/15/14 20:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/15/14 20:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/15/14 20:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/15/14 20:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/15/14 20:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/15/14 20:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/15/14 20:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/15/14 20:58	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/15/14 20:58	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/15/14 20:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/15/14 20:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		01/15/14 20:58	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		01/15/14 20:58	17060-07-0	
Toluene-d8 (S)	113	%	70-130		1		01/15/14 20:58	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/17/14 12:38	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	89	%	50-150		1		01/17/14 12:38	17060-07-0	
Toluene-d8 (S)	104	%	50-150		1		01/17/14 12:38	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-3 **Lab ID: 92186031011** Collected: 01/09/14 11:38 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 19:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 19:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 19:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 19:52	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 19:52	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 19:52	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 19:52	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 19:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 19:52	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 19:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 19:52	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 19:52	75-00-3	
Chloroform	**2.5**	ug/L	1.0	0.14	1		01/14/14 19:52	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 19:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 19:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 19:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 19:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 19:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 19:52	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 19:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 19:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 19:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 19:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 19:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 19:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 19:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 19:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/14 19:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 19:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 19:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 19:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 19:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 19:52	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 19:52	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 19:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 19:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 19:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 19:52	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 19:52	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 19:52	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 19:52	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 19:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 19:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 19:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 19:52	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 19:52	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-3 **Lab ID: 92186031011** Collected: 01/09/14 11:38 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 19:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 19:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 19:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 19:52	79-00-5	
Trichloroethene	**3.7**	ug/L	1.0	0.47	1		01/14/14 19:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 19:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 19:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 19:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 19:52	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 19:52	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 19:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 19:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/14/14 19:52	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/14/14 19:52	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		01/14/14 19:52	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-22 **Lab ID: 92186031012** Collected: 01/09/14 11:20 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 20:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 20:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 20:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 20:08	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 20:08	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 20:08	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 20:08	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 20:08	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 20:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 20:08	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 20:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 20:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 20:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 20:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 20:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 20:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 20:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 20:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 20:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 20:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 20:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 20:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 20:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 20:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 20:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/14 20:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 20:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 20:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 20:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 20:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 20:08	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 20:08	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 20:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 20:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 20:08	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 20:08	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 20:08	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 20:08	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 20:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 20:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 20:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 20:08	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 20:08	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-22 **Lab ID: 92186031012** Collected: 01/09/14 11:20 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 20:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 20:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 20:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 20:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 20:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 20:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 20:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 20:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 20:08	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 20:08	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 20:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 20:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/14/14 20:08	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/14/14 20:08	17060-07-0	
Toluene-d8 (S)	108	%	70-130		1		01/14/14 20:08	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-20 **Lab ID: 92186031013** Collected: 01/09/14 14:45 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 20:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 20:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 20:24	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 20:24	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 20:24	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 20:24	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 20:24	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 20:24	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 20:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 20:24	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 20:24	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 20:24	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 20:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 20:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 20:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 20:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 20:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 20:24	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 20:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 20:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 20:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 20:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 20:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 20:24	107-06-2	
1,1-Dichloroethene	**5.8**	ug/L	1.0	0.56	1		01/14/14 20:24	75-35-4	
cis-1,2-Dichloroethene	**316**	ug/L	5.0	0.95	5		01/16/14 01:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 20:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 20:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 20:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 20:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 20:24	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 20:24	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 20:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 20:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 20:24	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 20:24	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 20:24	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 20:24	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 20:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 20:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 20:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 20:24	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 20:24	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MW-20 **Lab ID: 92186031013** Collected: 01/09/14 14:45 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 20:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 20:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 20:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 20:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 20:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 20:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 20:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 20:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 20:24	108-67-8	
Vinyl chloride	**2.1**	ug/L	1.0	0.62	1		01/14/14 20:24	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 20:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 20:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/14/14 20:24	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/14/14 20:24	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/14/14 20:24	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		01/17/14 12:59	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	88	%	50-150		1		01/17/14 12:59	17060-07-0	
Toluene-d8 (S)	103	%	50-150		1		01/17/14 12:59	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Manson Branch #2 **Lab ID: 92186031014** Collected: 01/09/14 13:40 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 20:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 20:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 20:40	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 20:40	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 20:40	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 20:40	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 20:40	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 20:40	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 20:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 20:40	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 20:40	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 20:40	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 20:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 20:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 20:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 20:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 20:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 20:40	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 20:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 20:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 20:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 20:40	75-71-8	
1,1-Dichloroethane	**2.4**	ug/L	1.0	0.32	1		01/14/14 20:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 20:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 20:40	75-35-4	
cis-1,2-Dichloroethene	**6.5**	ug/L	1.0	0.19	1		01/14/14 20:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 20:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 20:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 20:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 20:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 20:40	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 20:40	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 20:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 20:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 20:40	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 20:40	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 20:40	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 20:40	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 20:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 20:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 20:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 20:40	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 20:40	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Manson Branch #2 **Lab ID: 92186031014** Collected: 01/09/14 13:40 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 20:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 20:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 20:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 20:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 20:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 20:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 20:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 20:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 20:40	108-67-8	
Vinyl chloride	**13.8**	ug/L	1.0	0.62	1		01/14/14 20:40	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 20:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 20:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		01/14/14 20:40	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/14/14 20:40	17060-07-0	
Toluene-d8 (S)	117	%	70-130		1		01/14/14 20:40	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep B **Lab ID: 92186031015** Collected: 01/09/14 14:30 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 20:56	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:56	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 20:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 20:56	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 20:56	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 20:56	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 20:56	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 20:56	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 20:56	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 20:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 20:56	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 20:56	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 20:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 20:56	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 20:56	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 20:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 20:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 20:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 20:56	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 20:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 20:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 20:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 20:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 20:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 20:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 20:56	75-35-4	
cis-1,2-Dichloroethene	**3.0**	ug/L	1.0	0.19	1		01/14/14 20:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 20:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 20:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 20:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 20:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 20:56	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 20:56	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 20:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 20:56	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 20:56	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 20:56	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 20:56	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 20:56	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 20:56	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 20:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 20:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 20:56	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 20:56	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 20:56	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep B **Lab ID: 92186031015** Collected: 01/09/14 14:30 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 20:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 20:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 20:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 20:56	79-00-5	
Trichloroethene	**1.4**	ug/L	1.0	0.47	1		01/14/14 20:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 20:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 20:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 20:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 20:56	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 20:56	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 20:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 20:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/14/14 20:56	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/14/14 20:56	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		01/14/14 20:56	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep L **Lab ID: 92186031016** Collected: 01/09/14 15:30 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 21:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 21:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 21:12	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 21:12	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 21:12	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 21:12	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 21:12	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 21:12	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 21:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 21:12	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 21:12	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 21:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 21:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 21:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 21:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 21:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 21:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 21:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 21:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 21:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 21:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 21:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 21:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 21:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 21:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/14 21:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 21:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 21:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 21:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 21:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 21:12	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 21:12	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 21:12	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 21:12	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 21:12	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 21:12	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 21:12	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 21:12	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 21:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 21:12	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 21:12	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep L **Lab ID: 92186031016** Collected: 01/09/14 15:30 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 21:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 21:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 21:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 21:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 21:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 21:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 21:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 21:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 21:12	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 21:12	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 21:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 21:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/14/14 21:12	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		01/14/14 21:12	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		01/14/14 21:12	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep I **Lab ID: 92186031017** Collected: 01/09/14 14:50 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 21:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 21:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 21:29	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 21:29	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 21:29	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 21:29	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 21:29	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 21:29	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 21:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 21:29	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 21:29	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 21:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 21:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 21:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 21:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 21:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 21:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 21:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 21:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 21:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 21:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 21:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 21:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 21:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 21:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/14 21:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 21:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 21:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 21:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 21:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 21:29	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 21:29	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 21:29	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 21:29	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 21:29	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 21:29	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 21:29	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 21:29	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 21:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 21:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 21:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 21:29	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 21:29	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep I **Lab ID: 92186031017** Collected: 01/09/14 14:50 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 21:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 21:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 21:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 21:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 21:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 21:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 21:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 21:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 21:29	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 21:29	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 21:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 21:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/14/14 21:29	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/14 21:29	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		01/14/14 21:29	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep H **Lab ID: 92186031018** Collected: 01/09/14 13:55 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 21:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 21:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 21:45	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 21:45	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 21:45	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 21:45	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 21:45	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 21:45	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 21:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 21:45	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 21:45	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 21:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 21:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 21:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 21:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 21:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 21:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 21:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 21:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 21:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 21:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 21:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 21:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 21:45	107-06-2	
1,1-Dichloroethene	**29.1**	ug/L	1.0	0.56	1		01/14/14 21:45	75-35-4	
cis-1,2-Dichloroethene	**22.3**	ug/L	1.0	0.19	1		01/14/14 21:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 21:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 21:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 21:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 21:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 21:45	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 21:45	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 21:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 21:45	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 21:45	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 21:45	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 21:45	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 21:45	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 21:45	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 21:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 21:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 21:45	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 21:45	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 21:45	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep H **Lab ID: 92186031018** Collected: 01/09/14 13:55 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 21:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 21:45	120-82-1	
1,1,1-Trichloroethane	**4.0**	ug/L	1.0	0.48	1		01/14/14 21:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 21:45	79-00-5	
Trichloroethene	**180**	ug/L	5.0	2.4	5		01/16/14 14:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 21:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 21:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 21:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 21:45	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 21:45	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 21:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 21:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/14/14 21:45	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		01/14/14 21:45	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		01/14/14 21:45	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep G **Lab ID: 92186031019** Collected: 01/09/14 14:15 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 22:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 22:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 22:01	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 22:01	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 22:01	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 22:01	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 22:01	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 22:01	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 22:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 22:01	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 22:01	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 22:01	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 22:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 22:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 22:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 22:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 22:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 22:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 22:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 22:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 22:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 22:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 22:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 22:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 22:01	75-35-4	
cis-1,2-Dichloroethene	**3.2**	ug/L	1.0	0.19	1		01/14/14 22:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 22:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 22:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 22:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 22:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 22:01	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 22:01	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 22:01	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 22:01	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 22:01	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 22:01	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 22:01	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 22:01	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 22:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 22:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 22:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 22:01	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 22:01	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep G **Lab ID: 92186031019** Collected: 01/09/14 14:15 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 22:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 22:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 22:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 22:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 22:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 22:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 22:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 22:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 22:01	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 22:01	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 22:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 22:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/14/14 22:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/14 22:01	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		01/14/14 22:01	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep 2 **Lab ID: 92186031020** Collected: 01/09/14 14:35 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 22:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 22:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 22:17	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 22:17	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 22:17	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 22:17	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 22:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 22:17	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 22:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 22:17	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 22:17	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 22:17	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 22:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 22:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 22:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 22:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 22:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 22:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 22:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 22:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 22:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 22:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 22:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 22:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 22:17	75-35-4	
cis-1,2-Dichloroethene	**3.0**	ug/L	1.0	0.19	1		01/14/14 22:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 22:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 22:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 22:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 22:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 22:17	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 22:17	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 22:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 22:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 22:17	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 22:17	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 22:17	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 22:17	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 22:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 22:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 22:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 22:17	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 22:17	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: Seep 2 **Lab ID: 92186031020** Collected: 01/09/14 14:35 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 22:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 22:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 22:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 22:17	79-00-5	
Trichloroethene	**2.5**	ug/L	1.0	0.47	1		01/14/14 22:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 22:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 22:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 22:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 22:17	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 22:17	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 22:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 22:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/14/14 22:17	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130		1		01/14/14 22:17	17060-07-0	
Toluene-d8 (S)	114	%	70-130		1		01/14/14 22:17	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MB#5 **Lab ID: 92186031021** Collected: 01/09/14 16:02 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 22:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 22:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 22:33	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 22:33	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 22:33	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 22:33	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 22:33	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 22:33	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 22:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 22:33	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 22:33	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 22:33	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 22:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 22:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 22:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 22:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 22:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 22:33	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 22:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 22:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 22:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 22:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 22:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 22:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 22:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/14 22:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 22:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 22:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 22:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 22:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 22:33	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 22:33	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 22:33	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 22:33	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 22:33	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 22:33	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 22:33	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 22:33	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 22:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 22:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 22:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 22:33	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 22:33	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MB#5 **Lab ID: 92186031021** Collected: 01/09/14 16:02 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 22:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 22:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 22:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 22:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 22:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 22:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 22:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 22:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 22:33	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 22:33	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 22:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 22:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		01/14/14 22:33	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/14 22:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		01/14/14 22:33	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MB#15 **Lab ID: 92186031022** Collected: 01/09/14 16:08 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 22:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 22:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 22:49	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 22:49	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 22:49	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 22:49	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 22:49	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 22:49	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 22:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 22:49	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 22:49	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 22:49	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 22:49	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 22:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 22:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 22:49	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 22:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 22:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 22:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 22:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 22:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 22:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 22:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 22:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 22:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/14 22:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 22:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 22:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 22:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 22:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 22:49	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 22:49	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 22:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 22:49	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 22:49	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 22:49	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 22:49	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 22:49	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 22:49	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 22:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 22:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 22:49	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 22:49	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 22:49	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MB#15 **Lab ID: 92186031022** Collected: 01/09/14 16:08 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 22:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 22:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 22:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 22:49	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 22:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 22:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 22:49	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 22:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 22:49	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 22:49	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 22:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 22:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		01/14/14 22:49	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		01/14/14 22:49	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		01/14/14 22:49	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MB#16 **Lab ID: 92186031023** Collected: 01/09/14 15:55 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 23:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 23:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 23:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 23:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 23:05	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 23:05	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 23:05	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 23:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 23:05	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 23:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 23:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 23:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 23:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 23:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 23:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 23:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 23:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 23:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 23:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 23:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 23:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 23:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 23:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 23:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 23:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 23:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 23:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/14 23:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 23:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 23:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 23:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 23:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 23:05	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 23:05	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 23:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 23:05	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 23:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 23:05	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 23:05	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 23:05	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 23:05	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 23:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 23:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 23:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 23:05	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 23:05	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MB#16 **Lab ID: 92186031023** Collected: 01/09/14 15:55 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 23:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 23:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 23:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 23:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 23:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 23:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 23:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 23:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 23:05	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 23:05	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 23:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 23:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/14/14 23:05	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		01/14/14 23:05	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		01/14/14 23:05	2037-26-5	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MB#3 **Lab ID: 92186031024** Collected: 01/09/14 16:15 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.25	1		01/14/14 23:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		01/14/14 23:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		01/14/14 23:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		01/14/14 23:22	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		01/14/14 23:22	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		01/14/14 23:22	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		01/14/14 23:22	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		01/14/14 23:22	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		01/14/14 23:22	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		01/14/14 23:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		01/14/14 23:22	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		01/14/14 23:22	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		01/14/14 23:22	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		01/14/14 23:22	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		01/14/14 23:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		01/14/14 23:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		01/14/14 23:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		01/14/14 23:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		01/14/14 23:22	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		01/14/14 23:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		01/14/14 23:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		01/14/14 23:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 23:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		01/14/14 23:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		01/14/14 23:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		01/14/14 23:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		01/14/14 23:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		01/14/14 23:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		01/14/14 23:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		01/14/14 23:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		01/14/14 23:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		01/14/14 23:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		01/14/14 23:22	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		01/14/14 23:22	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		01/14/14 23:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		01/14/14 23:22	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		01/14/14 23:22	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		01/14/14 23:22	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		01/14/14 23:22	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		01/14/14 23:22	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		01/14/14 23:22	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		01/14/14 23:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		01/14/14 23:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		01/14/14 23:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		01/14/14 23:22	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		01/14/14 23:22	108-88-3	

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ANALYTICAL RESULTS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Sample: MB#3 **Lab ID: 92186031024** Collected: 01/09/14 16:15 Received: 01/10/14 11:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		01/14/14 23:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		01/14/14 23:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		01/14/14 23:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		01/14/14 23:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		01/14/14 23:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		01/14/14 23:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		01/14/14 23:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		01/14/14 23:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		01/14/14 23:22	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		01/14/14 23:22	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		01/14/14 23:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		01/14/14 23:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		01/14/14 23:22	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		01/14/14 23:22	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		01/14/14 23:22	2037-26-5	

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

QC Batch: MSV/25492 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92186031003, 92186031005, 92186031007, 92186031009, 92186031011, 92186031012, 92186031013, 92186031014, 92186031015, 92186031016, 92186031017

METHOD BLANK: 1120744 Matrix: Water
Associated Lab Samples: 92186031003, 92186031005, 92186031007, 92186031009, 92186031011, 92186031012, 92186031013, 92186031014, 92186031015, 92186031016, 92186031017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/14/14 15:50	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/14/14 15:50	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/14/14 15:50	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/14/14 15:50	
1,1-Dichloroethane	ug/L	ND	1.0	01/14/14 15:50	
1,1-Dichloroethene	ug/L	ND	1.0	01/14/14 15:50	
1,1-Dichloropropene	ug/L	ND	1.0	01/14/14 15:50	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/14/14 15:50	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/14/14 15:50	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/14/14 15:50	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/14/14 15:50	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/14/14 15:50	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/14/14 15:50	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/14/14 15:50	
1,2-Dichloroethane	ug/L	ND	1.0	01/14/14 15:50	
1,2-Dichloropropane	ug/L	ND	1.0	01/14/14 15:50	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/14/14 15:50	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/14/14 15:50	
1,3-Dichloropropane	ug/L	ND	1.0	01/14/14 15:50	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/14/14 15:50	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	01/14/14 15:50	
2,2-Dichloropropane	ug/L	ND	1.0	01/14/14 15:50	
2-Chlorotoluene	ug/L	ND	1.0	01/14/14 15:50	
4-Chlorotoluene	ug/L	ND	1.0	01/14/14 15:50	
Benzene	ug/L	ND	1.0	01/14/14 15:50	
Bromobenzene	ug/L	ND	1.0	01/14/14 15:50	
Bromochloromethane	ug/L	ND	1.0	01/14/14 15:50	
Bromodichloromethane	ug/L	ND	1.0	01/14/14 15:50	
Bromoform	ug/L	ND	1.0	01/14/14 15:50	
Bromomethane	ug/L	ND	2.0	01/14/14 15:50	
Carbon tetrachloride	ug/L	ND	1.0	01/14/14 15:50	
Chlorobenzene	ug/L	ND	1.0	01/14/14 15:50	
Chloroethane	ug/L	ND	1.0	01/14/14 15:50	
Chloroform	ug/L	ND	1.0	01/14/14 15:50	
Chloromethane	ug/L	ND	1.0	01/14/14 15:50	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/14/14 15:50	
Dibromochloromethane	ug/L	ND	1.0	01/14/14 15:50	
Dibromomethane	ug/L	ND	1.0	01/14/14 15:50	
Dichlorodifluoromethane	ug/L	ND	1.0	01/14/14 15:50	
Ethylbenzene	ug/L	ND	1.0	01/14/14 15:50	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/14/14 15:50	

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

METHOD BLANK: 1120744 Matrix: Water

Associated Lab Samples: 92186031003, 92186031005, 92186031007, 92186031009, 92186031011, 92186031012, 92186031013, 92186031014, 92186031015, 92186031016, 92186031017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/14/14 15:50	
m&p-Xylene	ug/L	ND	2.0	01/14/14 15:50	
Methylene Chloride	ug/L	ND	2.0	01/14/14 15:50	
n-Butylbenzene	ug/L	ND	1.0	01/14/14 15:50	
n-Propylbenzene	ug/L	ND	1.0	01/14/14 15:50	
Naphthalene	ug/L	ND	1.0	01/14/14 15:50	
o-Xylene	ug/L	ND	1.0	01/14/14 15:50	
p-Isopropyltoluene	ug/L	ND	1.0	01/14/14 15:50	
sec-Butylbenzene	ug/L	ND	1.0	01/14/14 15:50	
Styrene	ug/L	ND	1.0	01/14/14 15:50	
tert-Butylbenzene	ug/L	ND	1.0	01/14/14 15:50	
Tetrachloroethene	ug/L	ND	1.0	01/14/14 15:50	
Toluene	ug/L	ND	1.0	01/14/14 15:50	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/14/14 15:50	
Trichloroethene	ug/L	ND	1.0	01/14/14 15:50	
Trichlorofluoromethane	ug/L	ND	1.0	01/14/14 15:50	
Vinyl chloride	ug/L	ND	1.0	01/14/14 15:50	
1,2-Dichloroethane-d4 (S)	%	96	70-130	01/14/14 15:50	
4-Bromofluorobenzene (S)	%	104	70-130	01/14/14 15:50	
Toluene-d8 (S)	%	109	70-130	01/14/14 15:50	

LABORATORY CONTROL SAMPLE: 1120745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.5	95	70-130	
1,1,1-Trichloroethane	ug/L	50	47.8	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	46.4	93	70-130	
1,1,2-Trichloroethane	ug/L	50	48.3	97	70-130	
1,1-Dichloroethane	ug/L	50	46.1	92	70-130	
1,1-Dichloroethene	ug/L	50	47.0	94	70-132	
1,1-Dichloropropene	ug/L	50	51.5	103	70-130	
1,2,3-Trichlorobenzene	ug/L	50	47.0	94	70-135	
1,2,3-Trichloropropane	ug/L	50	45.7	91	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.2	94	70-134	
1,2,4-Trimethylbenzene	ug/L	50	46.8	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.2	96	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.8	98	70-130	
1,2-Dichlorobenzene	ug/L	50	46.2	92	70-130	
1,2-Dichloroethane	ug/L	50	45.7	91	70-130	
1,2-Dichloropropane	ug/L	50	49.7	99	70-130	
1,3,5-Trimethylbenzene	ug/L	50	46.9	94	70-130	
1,3-Dichlorobenzene	ug/L	50	44.2	88	70-130	
1,3-Dichloropropane	ug/L	50	48.1	96	70-130	
1,4-Dichlorobenzene	ug/L	50	45.6	91	70-130	

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

LABORATORY CONTROL SAMPLE: 1120745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1000	1420	142	70-130	L3
2,2-Dichloropropane	ug/L	50	53.6	107	58-145	
2-Chlorotoluene	ug/L	50	43.0	86	70-130	
4-Chlorotoluene	ug/L	50	45.3	91	70-130	
Benzene	ug/L	50	49.9	100	70-130	
Bromobenzene	ug/L	50	46.4	93	70-130	
Bromochloromethane	ug/L	50	43.5	87	70-130	
Bromodichloromethane	ug/L	50	48.3	97	70-130	
Bromoform	ug/L	50	50.0	100	70-130	
Bromomethane	ug/L	50	49.2	98	54-130	
Carbon tetrachloride	ug/L	50	48.6	97	70-132	
Chlorobenzene	ug/L	50	46.1	92	70-130	
Chloroethane	ug/L	50	40.7	81	64-134	
Chloroform	ug/L	50	45.7	91	70-130	
Chloromethane	ug/L	50	55.6	111	64-130	
cis-1,2-Dichloroethene	ug/L	50	46.2	92	70-131	
Dibromochloromethane	ug/L	50	49.6	99	70-130	
Dibromomethane	ug/L	50	48.2	96	70-131	
Dichlorodifluoromethane	ug/L	50	52.9	106	56-130	
Ethylbenzene	ug/L	50	45.9	92	70-130	
Hexachloro-1,3-butadiene	ug/L	50	47.2	94	70-130	
Isopropylbenzene (Cumene)	ug/L	50	47.1	94	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methylene Chloride	ug/L	50	50.3	101	63-130	
n-Butylbenzene	ug/L	50	49.0	98	70-130	
n-Propylbenzene	ug/L	50	46.3	93	70-130	
Naphthalene	ug/L	50	47.4	95	70-138	
o-Xylene	ug/L	50	47.4	95	70-130	
p-Isopropyltoluene	ug/L	50	46.8	94	70-130	
sec-Butylbenzene	ug/L	50	46.0	92	70-130	
Styrene	ug/L	50	47.5	95	70-130	
tert-Butylbenzene	ug/L	50	45.9	92	70-130	
Tetrachloroethene	ug/L	50	49.1	98	70-130	
Toluene	ug/L	50	47.7	95	70-130	
trans-1,2-Dichloroethene	ug/L	50	45.7	91	70-130	
Trichloroethene	ug/L	50	48.0	96	70-130	
Trichlorofluoromethane	ug/L	50	43.0	86	62-133	
Vinyl chloride	ug/L	50	55.1	110	69-130	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1120746 1120747

Parameter	Units	92186031014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	55.6	59.9	110	119	70-166	8	30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1120746 1120747

Parameter	Units	92186031014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	53.9	55.8	108	112	70-148	3	30	
Chlorobenzene	ug/L	ND	50	50	48.7	49.4	97	99	70-146	1	30	
Toluene	ug/L	ND	50	50	50.5	48.0	101	96	70-155	5	30	
Trichloroethene	ug/L	ND	50	50	51.7	52.9	103	106	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						100	108	70-130			
4-Bromofluorobenzene (S)	%						98	109	70-130			
Toluene-d8 (S)	%						102	95	70-130			

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

QC Batch: MSV/25493 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92186031018, 92186031019, 92186031020, 92186031021, 92186031022, 92186031023, 92186031024

METHOD BLANK: 1120750 Matrix: Water
Associated Lab Samples: 92186031018, 92186031019, 92186031020, 92186031021, 92186031022, 92186031023, 92186031024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/14/14 16:06	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/14/14 16:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/14/14 16:06	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/14/14 16:06	
1,1-Dichloroethane	ug/L	ND	1.0	01/14/14 16:06	
1,1-Dichloroethene	ug/L	ND	1.0	01/14/14 16:06	
1,1-Dichloropropene	ug/L	ND	1.0	01/14/14 16:06	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/14/14 16:06	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/14/14 16:06	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/14/14 16:06	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/14/14 16:06	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/14/14 16:06	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/14/14 16:06	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/14/14 16:06	
1,2-Dichloroethane	ug/L	ND	1.0	01/14/14 16:06	
1,2-Dichloropropane	ug/L	ND	1.0	01/14/14 16:06	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/14/14 16:06	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/14/14 16:06	
1,3-Dichloropropane	ug/L	ND	1.0	01/14/14 16:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/14/14 16:06	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	01/14/14 16:06	
2,2-Dichloropropane	ug/L	ND	1.0	01/14/14 16:06	
2-Chlorotoluene	ug/L	ND	1.0	01/14/14 16:06	
4-Chlorotoluene	ug/L	ND	1.0	01/14/14 16:06	
Benzene	ug/L	ND	1.0	01/14/14 16:06	
Bromobenzene	ug/L	ND	1.0	01/14/14 16:06	
Bromochloromethane	ug/L	ND	1.0	01/14/14 16:06	
Bromodichloromethane	ug/L	ND	1.0	01/14/14 16:06	
Bromoform	ug/L	ND	1.0	01/14/14 16:06	
Bromomethane	ug/L	ND	2.0	01/14/14 16:06	
Carbon tetrachloride	ug/L	ND	1.0	01/14/14 16:06	
Chlorobenzene	ug/L	ND	1.0	01/14/14 16:06	
Chloroethane	ug/L	ND	1.0	01/14/14 16:06	
Chloroform	ug/L	ND	1.0	01/14/14 16:06	
Chloromethane	ug/L	ND	1.0	01/14/14 16:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/14/14 16:06	
Dibromochloromethane	ug/L	ND	1.0	01/14/14 16:06	
Dibromomethane	ug/L	ND	1.0	01/14/14 16:06	
Dichlorodifluoromethane	ug/L	ND	1.0	01/14/14 16:06	
Ethylbenzene	ug/L	ND	1.0	01/14/14 16:06	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/14/14 16:06	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/14/14 16:06	
m&p-Xylene	ug/L	ND	2.0	01/14/14 16:06	

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

METHOD BLANK: 1120750 Matrix: Water
Associated Lab Samples: 92186031018, 92186031019, 92186031020, 92186031021, 92186031022, 92186031023, 92186031024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methylene Chloride	ug/L	ND	2.0	01/14/14 16:06	
n-Butylbenzene	ug/L	ND	1.0	01/14/14 16:06	
n-Propylbenzene	ug/L	ND	1.0	01/14/14 16:06	
Naphthalene	ug/L	ND	1.0	01/14/14 16:06	
o-Xylene	ug/L	ND	1.0	01/14/14 16:06	
p-Isopropyltoluene	ug/L	ND	1.0	01/14/14 16:06	
sec-Butylbenzene	ug/L	ND	1.0	01/14/14 16:06	
Styrene	ug/L	ND	1.0	01/14/14 16:06	
tert-Butylbenzene	ug/L	ND	1.0	01/14/14 16:06	
Tetrachloroethene	ug/L	ND	1.0	01/14/14 16:06	
Toluene	ug/L	ND	1.0	01/14/14 16:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/14/14 16:06	
Trichloroethene	ug/L	ND	1.0	01/14/14 16:06	
Trichlorofluoromethane	ug/L	ND	1.0	01/14/14 16:06	
Vinyl chloride	ug/L	ND	1.0	01/14/14 16:06	
1,2-Dichloroethane-d4 (S)	%	93	70-130	01/14/14 16:06	
4-Bromofluorobenzene (S)	%	101	70-130	01/14/14 16:06	
Toluene-d8 (S)	%	100	70-130	01/14/14 16:06	

LABORATORY CONTROL SAMPLE: 1120751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.7	95	70-130	
1,1,1-Trichloroethane	ug/L	50	48.1	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.9	92	70-130	
1,1,2-Trichloroethane	ug/L	50	47.6	95	70-130	
1,1-Dichloroethane	ug/L	50	46.0	92	70-130	
1,1-Dichloroethene	ug/L	50	48.3	97	70-132	
1,1-Dichloropropene	ug/L	50	51.7	103	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.0	96	70-135	
1,2,3-Trichloropropane	ug/L	50	45.4	91	70-130	
1,2,4-Trichlorobenzene	ug/L	50	48.6	97	70-134	
1,2,4-Trimethylbenzene	ug/L	50	47.9	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.6	97	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.5	97	70-130	
1,2-Dichlorobenzene	ug/L	50	46.6	93	70-130	
1,2-Dichloroethane	ug/L	50	45.2	90	70-130	
1,2-Dichloropropane	ug/L	50	49.0	98	70-130	
1,3,5-Trimethylbenzene	ug/L	50	47.4	95	70-130	
1,3-Dichlorobenzene	ug/L	50	44.4	89	70-130	
1,3-Dichloropropane	ug/L	50	48.2	96	70-130	
1,4-Dichlorobenzene	ug/L	50	45.6	91	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1460	146	70-130	L0
2,2-Dichloropropane	ug/L	50	52.3	105	58-145	
2-Chlorotoluene	ug/L	50	43.2	86	70-130	

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

LABORATORY CONTROL SAMPLE: 1120751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Chlorotoluene	ug/L	50	45.5	91	70-130	
Benzene	ug/L	50	48.9	98	70-130	
Bromobenzene	ug/L	50	46.1	92	70-130	
Bromochloromethane	ug/L	50	41.8	84	70-130	
Bromodichloromethane	ug/L	50	47.8	96	70-130	
Bromoform	ug/L	50	49.9	100	70-130	
Bromomethane	ug/L	50	47.1	94	54-130	
Carbon tetrachloride	ug/L	50	48.6	97	70-132	
Chlorobenzene	ug/L	50	46.1	92	70-130	
Chloroethane	ug/L	50	43.6	87	64-134	
Chloroform	ug/L	50	45.1	90	70-130	
Chloromethane	ug/L	50	53.4	107	64-130	
cis-1,2-Dichloroethene	ug/L	50	45.6	91	70-131	
Dibromochloromethane	ug/L	50	50.0	100	70-130	
Dibromomethane	ug/L	50	47.2	94	70-131	
Dichlorodifluoromethane	ug/L	50	52.5	105	56-130	
Ethylbenzene	ug/L	50	45.5	91	70-130	
Hexachloro-1,3-butadiene	ug/L	50	49.1	98	70-130	
Isopropylbenzene (Cumene)	ug/L	50	46.8	94	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methylene Chloride	ug/L	50	49.4	99	63-130	
n-Butylbenzene	ug/L	50	50.1	100	70-130	
n-Propylbenzene	ug/L	50	47.0	94	70-130	
Naphthalene	ug/L	50	48.1	96	70-138	
o-Xylene	ug/L	50	47.5	95	70-130	
p-Isopropyltoluene	ug/L	50	47.7	95	70-130	
sec-Butylbenzene	ug/L	50	47.0	94	70-130	
Styrene	ug/L	50	47.6	95	70-130	
tert-Butylbenzene	ug/L	50	47.0	94	70-130	
Tetrachloroethene	ug/L	50	49.0	98	70-130	
Toluene	ug/L	50	46.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	50	44.6	89	70-130	
Trichloroethene	ug/L	50	48.0	96	70-130	
Trichlorofluoromethane	ug/L	50	52.5	105	62-133	
Vinyl chloride	ug/L	50	53.3	107	69-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1121566 1121567

Parameter	Units	92186031022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	45.6	45.6	91	91	70-166	0	30	
Benzene	ug/L	ND	50	50	58.5	54.1	117	108	70-148	8	30	
Chlorobenzene	ug/L	ND	50	50	52.8	53.2	106	106	70-146	1	30	
Toluene	ug/L	ND	50	50	53.2	62.9	106	126	70-155	17	30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1121566 1121567

Parameter	Units	92186031022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichloroethene	ug/L	ND	50	50	55.9	54.6	112	109	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						98	95	70-130			
4-Bromofluorobenzene (S)	%						103	104	70-130			
Toluene-d8 (S)	%						101	120	70-130			

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

QC Batch: MSV/25515 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92186031002, 92186031004, 92186031006, 92186031008, 92186031010

METHOD BLANK: 1121695 Matrix: Water
Associated Lab Samples: 92186031002, 92186031004, 92186031006, 92186031008, 92186031010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/15/14 17:28	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/15/14 17:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/15/14 17:28	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/15/14 17:28	
1,1-Dichloroethane	ug/L	ND	1.0	01/15/14 17:28	
1,1-Dichloroethene	ug/L	ND	1.0	01/15/14 17:28	
1,1-Dichloropropene	ug/L	ND	1.0	01/15/14 17:28	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/15/14 17:28	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/15/14 17:28	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/15/14 17:28	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/15/14 17:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/15/14 17:28	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/15/14 17:28	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/15/14 17:28	
1,2-Dichloroethane	ug/L	ND	1.0	01/15/14 17:28	
1,2-Dichloropropane	ug/L	ND	1.0	01/15/14 17:28	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/15/14 17:28	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/15/14 17:28	
1,3-Dichloropropane	ug/L	ND	1.0	01/15/14 17:28	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/15/14 17:28	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	01/15/14 17:28	
2,2-Dichloropropane	ug/L	ND	1.0	01/15/14 17:28	
2-Chlorotoluene	ug/L	ND	1.0	01/15/14 17:28	
4-Chlorotoluene	ug/L	ND	1.0	01/15/14 17:28	
Benzene	ug/L	ND	1.0	01/15/14 17:28	
Bromobenzene	ug/L	ND	1.0	01/15/14 17:28	
Bromochloromethane	ug/L	ND	1.0	01/15/14 17:28	
Bromodichloromethane	ug/L	ND	1.0	01/15/14 17:28	
Bromoform	ug/L	ND	1.0	01/15/14 17:28	
Bromomethane	ug/L	ND	2.0	01/15/14 17:28	
Carbon tetrachloride	ug/L	ND	1.0	01/15/14 17:28	
Chlorobenzene	ug/L	ND	1.0	01/15/14 17:28	
Chloroethane	ug/L	ND	1.0	01/15/14 17:28	
Chloroform	ug/L	ND	1.0	01/15/14 17:28	
Chloromethane	ug/L	ND	1.0	01/15/14 17:28	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/15/14 17:28	
Dibromochloromethane	ug/L	ND	1.0	01/15/14 17:28	
Dibromomethane	ug/L	ND	1.0	01/15/14 17:28	
Dichlorodifluoromethane	ug/L	ND	1.0	01/15/14 17:28	
Ethylbenzene	ug/L	ND	1.0	01/15/14 17:28	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/15/14 17:28	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/15/14 17:28	
m&p-Xylene	ug/L	ND	2.0	01/15/14 17:28	

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

METHOD BLANK: 1121695 Matrix: Water
Associated Lab Samples: 92186031002, 92186031004, 92186031006, 92186031008, 92186031010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methylene Chloride	ug/L	ND	2.0	01/15/14 17:28	
n-Butylbenzene	ug/L	ND	1.0	01/15/14 17:28	
n-Propylbenzene	ug/L	ND	1.0	01/15/14 17:28	
Naphthalene	ug/L	ND	1.0	01/15/14 17:28	
o-Xylene	ug/L	ND	1.0	01/15/14 17:28	
p-Isopropyltoluene	ug/L	ND	1.0	01/15/14 17:28	
sec-Butylbenzene	ug/L	ND	1.0	01/15/14 17:28	
Styrene	ug/L	ND	1.0	01/15/14 17:28	
tert-Butylbenzene	ug/L	ND	1.0	01/15/14 17:28	
Tetrachloroethene	ug/L	ND	1.0	01/15/14 17:28	
Toluene	ug/L	ND	1.0	01/15/14 17:28	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/15/14 17:28	
Trichloroethene	ug/L	ND	1.0	01/15/14 17:28	
Trichlorofluoromethane	ug/L	ND	1.0	01/15/14 17:28	
Vinyl chloride	ug/L	ND	1.0	01/15/14 17:28	
1,2-Dichloroethane-d4 (S)	%	93	70-130	01/15/14 17:28	
4-Bromofluorobenzene (S)	%	99	70-130	01/15/14 17:28	
Toluene-d8 (S)	%	105	70-130	01/15/14 17:28	

LABORATORY CONTROL SAMPLE: 1121696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.7	91	70-130	
1,1,1-Trichloroethane	ug/L	50	46.6	93	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.3	91	70-130	
1,1,2-Trichloroethane	ug/L	50	47.9	96	70-130	
1,1-Dichloroethane	ug/L	50	45.2	90	70-130	
1,1-Dichloroethene	ug/L	50	43.8	88	70-132	
1,1-Dichloropropene	ug/L	50	49.3	99	70-130	
1,2,3-Trichlorobenzene	ug/L	50	47.3	95	70-135	
1,2,3-Trichloropropane	ug/L	50	43.8	88	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.7	95	70-134	
1,2,4-Trimethylbenzene	ug/L	50	47.0	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.6	95	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.2	96	70-130	
1,2-Dichlorobenzene	ug/L	50	46.3	93	70-130	
1,2-Dichloroethane	ug/L	50	44.1	88	70-130	
1,2-Dichloropropane	ug/L	50	49.3	99	70-130	
1,3,5-Trimethylbenzene	ug/L	50	46.6	93	70-130	
1,3-Dichlorobenzene	ug/L	50	43.9	88	70-130	
1,3-Dichloropropane	ug/L	50	48.0	96	70-130	
1,4-Dichlorobenzene	ug/L	50	45.6	91	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1230	123	70-130	
2,2-Dichloropropane	ug/L	50	49.5	99	58-145	
2-Chlorotoluene	ug/L	50	43.1	86	70-130	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

LABORATORY CONTROL SAMPLE: 1121696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Chlorotoluene	ug/L	50	45.4	91	70-130	
Benzene	ug/L	50	48.4	97	70-130	
Bromobenzene	ug/L	50	46.5	93	70-130	
Bromochloromethane	ug/L	50	43.6	87	70-130	
Bromodichloromethane	ug/L	50	47.6	95	70-130	
Bromoform	ug/L	50	47.6	95	70-130	
Bromomethane	ug/L	50	47.7	95	54-130	
Carbon tetrachloride	ug/L	50	44.6	89	70-132	
Chlorobenzene	ug/L	50	44.3	89	70-130	
Chloroethane	ug/L	50	41.0	82	64-134	
Chloroform	ug/L	50	43.8	88	70-130	
Chloromethane	ug/L	50	57.4	115	64-130	
cis-1,2-Dichloroethene	ug/L	50	46.2	92	70-131	
Dibromochloromethane	ug/L	50	48.0	96	70-130	
Dibromomethane	ug/L	50	47.3	95	70-131	
Dichlorodifluoromethane	ug/L	50	49.8	100	56-130	
Ethylbenzene	ug/L	50	45.0	90	70-130	
Hexachloro-1,3-butadiene	ug/L	50	49.7	99	70-130	
Isopropylbenzene (Cumene)	ug/L	50	46.3	93	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methylene Chloride	ug/L	50	52.1	104	63-130	
n-Butylbenzene	ug/L	50	50.4	101	70-130	
n-Propylbenzene	ug/L	50	46.7	93	70-130	
Naphthalene	ug/L	50	47.5	95	70-138	
o-Xylene	ug/L	50	46.9	94	70-130	
p-Isopropyltoluene	ug/L	50	47.6	95	70-130	
sec-Butylbenzene	ug/L	50	46.7	93	70-130	
Styrene	ug/L	50	47.0	94	70-130	
tert-Butylbenzene	ug/L	50	46.0	92	70-130	
Tetrachloroethene	ug/L	50	45.8	92	70-130	
Toluene	ug/L	50	45.4	91	70-130	
trans-1,2-Dichloroethene	ug/L	50	44.8	90	70-130	
Trichloroethene	ug/L	50	45.9	92	70-130	
Trichlorofluoromethane	ug/L	50	51.3	103	62-133	
Vinyl chloride	ug/L	50	55.2	110	69-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122446 1122447

Parameter	Units	92186031002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	50.8	45.6	101	91	70-166	11	30	
Benzene	ug/L	ND	50	50	58.1	56.6	116	113	70-148	3	30	
Chlorobenzene	ug/L	ND	50	50	51.5	51.4	103	103	70-146	0	30	
Toluene	ug/L	ND	50	50	54.1	52.5	108	105	70-155	3	30	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122446 1122447

Parameter	Units	92186031002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichloroethene	ug/L	1.2	50	50	59.1	58.1	116	114	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						101	97	70-130			
4-Bromofluorobenzene (S)	%						104	102	70-130			
Toluene-d8 (S)	%						106	102	70-130			

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

QC Batch: MSV/25530 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92186031003, 92186031004, 92186031005, 92186031006

METHOD BLANK: 1122500 Matrix: Water
Associated Lab Samples: 92186031003, 92186031004, 92186031005, 92186031006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	01/16/14 16:14	
1,2-Dichloroethane-d4 (S)	%	101	50-150	01/16/14 16:14	
Toluene-d8 (S)	%	103	50-150	01/16/14 16:14	

LABORATORY CONTROL SAMPLE: 1122501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	17.7	88	50-150	
1,2-Dichloroethane-d4 (S)	%			101	50-150	
Toluene-d8 (S)	%			101	50-150	

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QUALITY CONTROL DATA

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

QC Batch: MSV/25536 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92186031007, 92186031008, 92186031009, 92186031010, 92186031013

METHOD BLANK: 1123180 Matrix: Water
Associated Lab Samples: 92186031007, 92186031008, 92186031009, 92186031010, 92186031013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	01/17/14 10:55	
1,2-Dichloroethane-d4 (S)	%	91	50-150	01/17/14 10:55	
Toluene-d8 (S)	%	103	50-150	01/17/14 10:55	

LABORATORY CONTROL SAMPLE: 1123181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	22.8	114	50-150	
1,2-Dichloroethane-d4 (S)	%			92	50-150	
Toluene-d8 (S)	%			104	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1123182 1123183

Parameter	Units	92186031007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	ug/L	ND	20	20	17.2	23.7	82	114	50-150	32	30	R1
1,2-Dichloroethane-d4 (S)	%						91	89	50-150		150	
Toluene-d8 (S)	%						103	103	50-150		150	

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QUALIFIERS

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TK Louisville 6122090322.401
Pace Project No.: 92186031

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92186031002	**MW-10**	EPA 8260	MSV/25515		
92186031003	**MW-5**	EPA 8260	MSV/25492		
92186031004	**DUP-1**	EPA 8260	MSV/25515		
92186031005	**MW-25**	EPA 8260	MSV/25492		
92186031006	**MW-27**	EPA 8260	MSV/25515		
92186031007	**MW-14**	EPA 8260	MSV/25492		
92186031008	**MW-28**	EPA 8260	MSV/25515		
92186031009	**MW-19**	EPA 8260	MSV/25492		
92186031010	**EB-1**	EPA 8260	MSV/25515		
92186031011	**MW-3**	EPA 8260	MSV/25492		
92186031012	**MW-22**	EPA 8260	MSV/25492		
92186031013	**MW-20**	EPA 8260	MSV/25492		
92186031014	**Manson Branch #2**	EPA 8260	MSV/25492		
92186031015	**Seep B**	EPA 8260	MSV/25492		
92186031016	**Seep L**	EPA 8260	MSV/25492		
92186031017	**Seep I**	EPA 8260	MSV/25492		
92186031018	**Seep H**	EPA 8260	MSV/25493		
92186031019	**Seep G**	EPA 8260	MSV/25493		
92186031020	**Seep 2**	EPA 8260	MSV/25493		
92186031021	**MB#5**	EPA 8260	MSV/25493		
92186031022	**MB#15**	EPA 8260	MSV/25493		
92186031023	**MB#16**	EPA 8260	MSV/25493		
92186031024	**MB#3**	EPA 8260	MSV/25493		
92186031003	**MW-5**	EPA 8260B Mod.	MSV/25530		
92186031004	**DUP-1**	EPA 8260B Mod.	MSV/25530		
92186031005	**MW-25**	EPA 8260B Mod.	MSV/25530		
92186031006	**MW-27**	EPA 8260B Mod.	MSV/25530		
92186031007	**MW-14**	EPA 8260B Mod.	MSV/25536		
92186031008	**MW-28**	EPA 8260B Mod.	MSV/25536		
92186031009	**MW-19**	EPA 8260B Mod.	MSV/25536		
92186031010	**EB-1**	EPA 8260B Mod.	MSV/25536		
92186031013	**MW-20**	EPA 8260B Mod.	MSV/25536		

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Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: December 10, 2013 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.13**	Issuing Authority: Pace Huntersville Quality Office

Client Name: AMEC

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Ziplock

Thermometer Used: IR Gun T1102 (T1301) **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1102**: No Correction **T1301**: No Correction

Corrected Cooler Temp.: 5.9 °C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: AD 1/10/14

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	AD 1/10/14 ☑Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	AD 1/10/14 ☑Yes ☑No ☐N/A	10. TB broken in Lab
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. Chain #2 Sample #2 not here
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Rhonda Quinn Date/Time: _____

Comments/ Resolution: Rhonda informed to follow Table 1 in the scope of work. Per the table, MW-3, MW-10, + MW-22 does not need 8260 Sim 1,4-Dioxane. PM informed of broken Trip Blank. KG.

SCURF Review: JG Date: 1/10/14

SRF Review: JG Date: 1/13/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92186031

92186031

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 3

1691505

Section A Required Client Information:

Company: AMEC
Address: 1075 Big Shanty Rd Ste 100 Kennesaw, GA 30144
Email To: Rhonda Quinn
Phone: 770-421-3400 Fax: 770-421-3486
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Rhonda Quinn
Copy To: Greg Wrenn
Purchase Order No.:
Project Name: TK Louisville
Project Number: 612209032.401

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: GA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): VOC list, 1,4-Dioxane (Y); 1,4-Dioxane (SIM) (Y)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/GRAB DATE	Composite End/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOC list, 1,4-Dioxane	1,4-Dioxane (SIM)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TB-01	WT	G	~~1/7/14~~		1/7/14	1600		2				X					2			92186031 001
2	MW-10	WT	G			1/4/14	1632		6				X					3	3		002
3	MW-5	WT	G			1/8/14	1150		6				X					3	3		003
4	DUP-1	WT	G			1/8/14	1200		6				X					3	3		004
5	MW-25	WT	G				1602		6				X					3	3		005
6	MW-27	WT	G				1636		6				X					3	3		006
7	MW-28	WT	G				1716		6				X					3	3		008 007
8	MW-14	WT	G				1410		6				X					3	3		007 008 AC 1-10-14
9	MW-19	WT	G				1625		6				X					3	3		009
10	EB-1	WT	G			1/9/14	0945		6				X					3	3		010
11	MW-3	WT	G			1/9/14	1138		6				X					3	3		011
12	MW-22	WT	G			1/9/14	1120		6				X					3	3		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Daniel Howard / AMEC	1/9/14	2000	[signature]	1/10/14	11:20	SAO	Y	~~AH~~ 1/10/13	Y ~~N~~

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Daniel Howard / Ever Guillen

SIGNATURE of SAMPLER: D Howard / E Guillen

DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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Page: 2 of 3

1664888

Section A Required Client Information:

Company: AMEC
Address: 1075 Big Shanty Rd Ste 100 Kennesaw, GA 30144
Email To: Rhonda Quinn
Phone: 770-421-3400 Fax: 770-421-3486
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Rhonda Quinn
Copy To: Greg Wrenn
Purchase Order No.:
Project Name: TK Louisville
Project Number: 6122090322.401

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: GA

Requested Analysis Filtered (Y/N): Y

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): VOC list, 1,4 Dioxane	1,4-Dioxane (SIM)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-20	WT	G			1/9/14	1445		6				X					3	3		92186031-013
2	MW-22	WT	G				1120		6				X					3	3		
3	Manson Branch #2	WT	G				1340		3				X					3			014
4	Seep B	WT	G				1430		3				X					3			015
5	Seep L	WT	G				1530		3				X					3			016
6	Seep I	WT	G				1450		3				X					3			017
7	Seep H	WT	G				1355		3				X					3			018
8	Seep G	WT	G				1415		3				X					3			019
9	Seep #2	WT	G				1435		3				X					3			020
10	MB #5	WT	G				1602		3				X					3			021
11	MB #15	WT	G				1608		3				X					3			022
12	MB #16	WT	G				1555		3				X					3			023

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Daniel Howard/AMEC	1/9/14	2000	[illegible]/Pace	1/10/14	11:20	SA	Y	Y	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: D Howard / E Guillen

SIGNATURE of SAMPLER: D Howard

DATE Signed (MM/DD/YY):

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 3

1691501

Section A Required Client Information:

Company: AMEC
Address: 1075 Big Shanty Rd Ste 100 Kennesaw, GA 30144
Email To: Rhonda Quinn
Phone: 770-421-3400 Fax: 770-421-3486
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Rhonda Quinn
Copy To: Greg Wrenn
Purchase Order No.:
Project Name: TK Louisville
Project Number: 612209322.401

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: GA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/GRAB DATE	COLLECTED Composite End/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	VOC, 1,4-Dioxane (Y)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MB #3	WT	G			1/9/14	1615		3				X						3		92186031-024
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	Daniel Howard / AMEC	1/9/14	2000	[illegible]	[illegible]	~~1430~~ 11:20	SA	Y	Y	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: D Howard / E Guillen

SIGNATURE of SAMPLER: D Howard

DATE Signed (MM/DD/YY):

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Georgia Department of Natural Resources
Environmental Protection Division
2 Martin Luther King Jr. Drive SE, Suite 1152 East Tower, Atlanta, Georgia 30334-9000
Judson H. Turner, Director
(404) 656-4713
FAX: (404) 651-5778

25 June 2013

Laura Whittles, Quality Analyst
Pace Analytical Services, Inc. - Huntersville
9800 Kincey Ave Suite 100
Huntersville NC 28078 Via e-mail: laura.whittles@pacelabs.com

RE: Laboratory Approval

Dear Ms. Whittles:

I have received your June 20, 2012 communication requesting approval of Pace Analytical Services to perform laboratory analytical work in Georgia. Please note that the Environmental Protection Division does not accredit or certify commercial laboratories (other than for drinking water) or issue certification, but rather we require commercial environmental laboratories to be approved under our Rules for Commercial Environmental Laboratories. You provided documentation that your laboratory is accredited (certificate #2173) by the Commonwealth of Virginia, Division of Consolidated Laboratory Services (hereinafter, "Virginia"), in accordance with NELAP. The accreditation is in the categories of Environmental Analyses for non-potable water and for solid and chemical materials. Please be aware that since Virginia has accredited you for Drinking Water analyses, Pace Analytical Services will need to seek reciprocity through Georgia EPD's Drinking Water Program to perform drinking water analytical work for Georgia clients.

After reviewing the information provided in your letter and the attached documentation from Virigina, approval is granted under our Rules for Commercial Environmental Laboratories for those individual parameters within the categories of (1) Non-potable Water and (2) Solid and Chemical Materials, which you are certified by Florida. This approval is valid through June 14, 2014, which is the expiration date of your accreditation. To be approved after that date, your accreditation must be renewed.

I trust this response meets your needs; should you require further information, please do not hesitate to call me at (404) 651-5155.

Sincerely,

Ted V. Jackson, Manager
Drinking Water Program
Georgia Environmental Protection Division

Georgia Department of Natural Resources

Environmental Protection Division
2 Martin Luther King Jr. Drive SE, Suite 1152 East Tower, Atlanta, Georgia 30334-9000
Judson H. Turner, Director
(404) 656-4713
FAX: (404) 651-5778

29 June 2012

C. Barry Johnson, Senior Quality Manager
Pace Analytical Services, Inc. - Asheville
2225 Riverside Drive
Asheville, NC 28804 Via e-mail: barry.johnson@pacelabs.com

RE: Laboratory Approval

Dear Mr. Johnson:

I have received your June 27, 2012 communication requesting approval of Pace Analytical Services to perform laboratory analytical work in Georgia. Please note that the Environmental Protection Division does not accredit or certify commercial laboratories (other than for drinking water) or issue certification, but rather we require commercial environmental laboratories to be approved under our Rules for Commercial Environmental Laboratories. You provided documentation that your laboratory is accredited (certificate #1583) by the Commonwealth of Virginia, Division of Consolidated Laboratory Services (hereinafter, "Virginia"), in accordance with NELAP. The accreditation is in the categories of Environmental Analyses for non-potable water and for solid and chemical materials. Please be aware that since Virginia has accredited you for Drinking Water analyses, Pace Analytical Services will need to seek reciprocity through Georgia EPD's Drinking Water Program to perform drinking water analytical work for Georgia clients.

After reviewing the information provided in your letter and the attached documentation from Virigina, approval is granted under our Rules for Commercial Environmental Laboratories for those individual parameters within the categories of (1) Non-potable Water and (2) Solid and Chemical Materials, which you are certified by Florida. This approval is valid through June 14, 2013, which is the expiration date of your accreditation. To be approved after that date, your accreditation must be renewed.

I trust this response meets your needs; should you require further information, please do not hesitate to call me at (404) 651-5155.

Sincerely,

Ted V. Jackson, Manager
Drinking Water Program
Georgia Environmental Protection Division

FIELD SAMPLING FORMS

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-3 Purge** DEPTH TO PRODUCT:_____ DATE: 1/9/14

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1138

SAMPLE METHOD: Pump ~~40.14~~ 40.14 GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: ~~45.14~~ ~~39.94~~ DEPTH TO PUMP (btoc)

TOTAL DEPTH: 60.00 _____

Arrived at: 1015 PURGE VOLUME: 19.86x0.163 = ~~2.1x3~~ 3.2 WELL DIAMETER (inches):
Initial PID = _____ 9.6 gal 2-IN
Bailing PID = _____

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1030		5.13	20.7	0.08	5.70	600 ( )	40.75
1037	1.0	4.92	21.5	0.09	1.75	600	40.75
1044	2.0	4.95	21.8	0.09	1.20	600	40.75
1051	3.0	5.21	21.9	0.09	0.60	600	40.75
1058	4.0	5.28	21.8	0.09	0.45	600	40.75
1105	5.0	5.30	21.9	0.10	0.35	600	40.75
1112	6.0	5.36	21.9	0.10	0.30	600	40.75
1119	7.0	5.38	21.8	0.10	0.12	600	40.75
1126	8.0	5.41	21.9	0.10	0.06	600	40.75
1133	9.0	5.42	22.0	0.10	0.0	600	40.75
1137	9.6	5.43	22.0	0.10	0.0	600	40.75

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	3	HCL pH<2	SIM	1,4-Dioxane

GENERAL INFORMATION	
WEATHER:	Overcast, 40°F
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH~~ PACE Huntington NC
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-5 Purge** DEPTH TO PRODUCT:_____ DATE: 1/8/14

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1150

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF: DUP-1 Time 1200 DEPTH TO WATER: 38.27 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 54.00

Arrived at: 1020 PURGE VOLUME: 1.5 x 7.5 x 0.163 = 2.6 x 3 = 7.8 gal 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)	New Water Level
Initial: 1045	0	4.76	18.2	0.08	0.0	450	39.85
1053	1.0	5.45	18.5	0.10	0.0	450	39.85
1101	2.0	5.69	20.2	0.10	0.0	450	39.85
1109	3.0	5.78	20.0	0.12	0.0	450	39.85
1117	4.0	5.80	20.1	0.12	0.0	450	39.85
1125	5.0	5.84	20.0	0.13	0.0	450	39.85
1133	6.0	5.81	20.2	0.12	0.0	450	39.85
1141	7.0	5.81	20.1	0.12	0.0	450	39.85
1148	7.8	5.80	20.3	0.12	0.0	450	39.85

COMMENTS: Collected DUP-1 Time 1200

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	6 ~~8~~	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	6 ~~8~~	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION	
WEATHER:	Clear + Cold, Temp 30°F
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH~~ PACE Huntington WV
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-10 Purge** DEPTH TO PRODUCT:_____ DATE: 1/7/18

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1632

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 27.61 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 45.2

Arrived at: 1500 PURGE VOLUME: 17.59 x 0.163 = 2.9 x 3 = 8.7 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)	New Water Level
Initial: 1520		4.89	17.3	0.07	2.19	500 ( )	29.22
1528	1.0	4.91	19.2	0.04	0.46	500	29.55
1536	2.0	5.19	19.3	0.04	0.10	500	29.61
1544	3.0	5.48	19.7	0.06	0.04	500	29.62
1552	4.0	5.64	19.8	0.07	0.03	500	29.64
1600	5.0	5.66	19.7	0.07	0.06	500	29.66
1608	6.0	5.67	19.7	0.07	0.04	500	29.68
1616	7.0	5.67	19.7	0.07	0.03	500	29.69
1624	8.0	5.69	19.7	0.07	0.0	500	29.74
1630	8.75	5.72	19.7	0.08	0.0	500	29.71

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40ml	3	HCl <2pH	SIM	1,4-Dioxane

GENERAL INFORMATION	
WEATHER:	Clear + Cold, Temp 28°F
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH.~~ PACE Huntington NY
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-14 Purge** DEPTH TO PRODUCT:_____ DATE: 1-8-14

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 14,10

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 64.91 DEPTH TO PUMP (btoc) 83'

TOTAL DEPTH: 86.5

86.5-64.91=21.59 x 0.17 = 3.67 x 3 = 11.01

Arrived at: 1215 PURGE VOLUME: 11.01 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)	New Water Level
Initial: 1217	0.25	6.65	13.6	0.48	61.9	400 ( )	65.13
1225	1.0	6.63	13.8	0.48	56.7		65.15
1245	3.0	6.67	15.3	0.46	42.6		65.15
1305	5.0	6.74	15.9	0.46	28.8		65.15
1325	7.0	6.71	16.0	0.46	21.6		65.15
1345	9.0	6.69	16.0	0.46	16.8		65.15
1355	10.0	6.69	16.1	0.46	11.3		65.15
1405	11.0	6.70	16.1	0.46	8.6		65.15
1410	Collect Sample						

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	3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION	
WEATHER:	COLD!!! - Clear - Humid 24°F
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America North Canton, OH~~ PACE - Huntington NC
SAMPLER: Ever Guillen	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: 1-8-14

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1625

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 30.32 DEPTH TO PUMP (btoc) 43.0'

TOTAL DEPTH: 46.5

46.5 − 30.32 = 16.18 × 0.17 = 2.75 × 3 = 8.25

Arrived at: 1500 PURGE VOLUME: 8.25 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)	New Water Level
Initial: 1202	0.25	6.59	9.5	0.0	1099	400 ( )	30.78
1510	1.0	4.64	18.1	0.12	34.7		31.16
1520	2.0	4.63	18.4	0.06	13.7		31.16
1530	3.0	4.74	18.4	0.13	10.35		31.16
1540	4.0	4.99	18.4	0.15	5.72		31.16
1550	5.0	4.98	18.4	0.15	2.53		31.16
1600	6.0	5.43	18.7	0.16	2.08		31.16
1610	7.0	5.43	18.5	0.16	1.53		31.16
1620	8.0	5.43	18.5	0.16	1.19		31.16
1625	Collect Sample						

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	3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION			
WEATHER:	Cold - Clear - Humid - 36°F		
SHIPPED VIA:	FedEX		
SHIPPED TO:	~~Test America North Canton, OH.~~ PACE Huntington NC		
SAMPLER:	Ever Guillen	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

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: ~~Scop~~ MW-20 DEPTH TO PRODUCT:_____ DATE: 1/9/14

PURGE METHOD: ~~NA~~ Low Flow / Low Stress: Pump TIME: 1445

SAMPLE METHOD: ~~Fill bottle from surface water~~ Pump GRAB (x) COMPOSITE ( )
~~Sampling~~:

DUP./REP. OF:_____ DEPTH TO WATER: 80.53 DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH: 107 _____

Arrived at: 1240 PURGE VOLUME: 26.47 x 0.163 = 4.3 x 3 WELL DIAMETER (inches):
Initial PID = _____ 12.9 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: 1255		6.97	20.2	0.47	1.30	400 ( )	80.75
1315	2	7.06	21.2	0.47	1.69	450	80.83
1331	4	7.07	21.2	0.46	2.65	475	80.83
1347	6	7.05	21.2	0.47	2.49	475	80.83
1403	8	7.03	21.0	0.47	1.99	475	80.83
1419	10	7.06	21.4	0.47	1.37	475	80.83
1427	11	7.06	21.2	0.47	0.99	475	80.83
1435	12	7.05	21.2	0.47	1.16	475	80.83
1443	13	7.05	21.1	0.47	1.03	475	80.83

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	3	HCl<2pH	SIM	1,4-Dioxane

GENERAL INFORMATION			
WEATHER:	Overcast, Temp 50°F		
SHIPPED VIA:	FedEX		
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Analytical Services		
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:_____ DATE: 1-9-14

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1120

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 90.53 DEPTH TO PUMP (btoc) 100'

TOTAL DEPTH: 114.4

114.4 - 90.53 = 23.87 X 0.17 = 4.05 X 3 = 12.17

Arrived at: 900 PURGE VOLUME: 12.17 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)	New Water Level
Initial: 0915	0.25	6.25	14.4	0.62	61.4	400 ( )	
0925	1.0	6.30	13.9	0.59	49.3		
935	2.0	6.43	13.4	0.56	39.7		
955	4.0	6.40	14.4	0.56	32.0		
1015	6.0	6.41	16.5	0.55	17.8		
1035	8.0	6.28	16.9	0.54	12.57		
1055	10.0	6.25	16.9	0.54	10.65		
1105	11.0	6.21	17.0	0.54	8.19		
1115	12.0	6.22	16.8	0.54	6.17		
1120	Collect Sample						

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	3	HCL to PH<2	SIM	14 DIOXANE

GENERAL INFORMATION	
WEATHER:	COLD - CLOUDY - 36°
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH.~~ PACE - Huntington NC
SAMPLER: EVER GUILLEN	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: 1/8/14

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1602

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 75.40 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 107.0

Arrived at: 1335 PURGE VOLUME: 31.6 x 0.163 = 5.2 x 3 WELL DIAMETER (inches):

Initial PID = _____ 15.6 2-IN

Bailing PID = _____

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1350		9.12	21.2	0.47	1.38	400 ( )	75.60
1400	1.0	7.26	20.7	0.46	0.86	400	~~75.60~~ 75.60
1420	3.0	7.10	20.5	0.45	0.54	400	75.60
1436	5.0	7.11	19.9	0.45	0.27	500	75.60
1452	7.0	7.12	20.6	0.45	0.25	500	75.61
1508	9.0	7.12	20.3	0.45	0.0	500	75.61
1524	11.0	7.10	20.1	0.45	0.0	500	75.60
1540	13.0	7.09	20.1	0.45	0.0	500	75.60
1548	14.0	7.10	20.3	0.45	0.0	500	75.60
1556	15.0	7.10	20.3	0.46	0.0	500	75.60
1601	15.6	7.09	20.3	0.46	0.0	500	75.60

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	3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION	
WEATHER:	Clear, Temp 45°F
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH~~ PACE Huntington WV
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: 1/8/14

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1636

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 4.49 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 10.0 Top of casing

Arrived at: 1615 PURGE VOLUME: 5.5 x 0.04 = 0.22 x 3 = 0.7 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: 1622	0.1	5.62	9.7	0.04	2.46	200 ( )	NA
1625	0.25	5.45	9.3	0.04	1.03	200	
1630	0.5	5.45	9.2	0.04	0.99	200	
1635	0.75	5.43	9.2	0.04	0.84	200	

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	3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION	
WEATHER:	Clear, Cool, Temp 40°F
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington NC
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

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: 1/8/14

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1716

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 4.13

TOTAL DEPTH: 10.0 Top of casing

Arrived at: 1645 PURGE VOLUME: 5.87 X 0.04 = ~~2.7~~ 0.23 x 3 WELL DIAMETER (inches): 2-IN

Initial PID = _____ 0.7.

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: 1700		5.88	11.6	0.15	48	200 ( )	~~200~~	NA
1705	0.25	5.89	12.9	0.15	4.47	200	~~200~~	NA
1710	0.50	5.92	13.2	0.15	1.53	200		
1715	0.75	5.92	13.8	0.15	0.72	200		

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	3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION	
WEATHER:	Clear, Temp 40°F
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington NC
SAMPLER:	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

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: 1-9-14

PURGE METHOD: NA TIME: 1435

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:					32.8	( )	
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:	COLD - CLOUDY		
SHIPPED VIA:	FedEX		
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington WC		
SAMPLER:	EVER GUILLEN	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

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 (MB#2) DEPTH TO PRODUCT:_____ DATE: 1-9-14

PURGE METHOD: NA TIME: 1340

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:		3.78	13.7		42.5	( )	

COMMENTS: PH - Cond meter Not working

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:	Cold - Cloudy		
SHIPPED VIA:	FedEX		
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE - Huntington WC		
SAMPLER:	Ever Guillen	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: 1-9-14

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:		6.41	6.6	0.06	7.23	( )	

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:	COLD - CLOUDY		
SHIPPED VIA:	FedEX		
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington NC		
SAMPLER:	EVER GUILLEN	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: 1-9-14

PURGE METHOD: NA TIME: 1602

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:		6.29	7.2	0.06	12.58	( )	
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:	COLD - CLOUDY
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington WV
SAMPLER: EVER GUILLEN	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: 1-9-14

PURGE METHOD: NA TIME: 1608

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:		6.38	6.9	0.05	7.29	( )	

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:	COLD - CLOUDY		
SHIPPED VIA:	FedEX		
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington WV		
SAMPLER:	EVER GUILLEN	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: 1-9-14

PURGE METHOD: NA TIME: 1555

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:		5.57	9.3	0.04	73.2	( )	

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:	COLD CLOUDY
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington NC
SAMPLER: EVER GUILLEN	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

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: 1-9-14

PURGE METHOD: NA

TIME: 1430

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:					72.0	( )	
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:	COLD - CLOUDY
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington WC
SAMPLER: EVER GUILLEN	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

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: 1-9-14

PURGE METHOD: NA TIME: 14 15

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:					15.0	( )	

COMMENTS: DH/Cond meter Not Working

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:	Cold - Cloudy
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington NC
SAMPLER: EVER GUILLEN	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

PROJECT NO: 6122-09-0322

AMEC E&I, INC.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 424-3486

WELL ID: **Seep** H

DEPTH TO PRODUCT:_____

DATE: 1-9-14

PURGE METHOD: NA

TIME: 1355

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:					~~50+~~	( )	
					4.67		

COMMENTS: PH/Cond meter Not Working

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:	Cold - Cloudy
SHIPPED VIA:	FedEX
SHIPPED TO:	~~Test America-North Canton, OH or AES- Atlanta, GA~~ PACE Huntington NC
SAMPLER: EVER GUILLEN	OBSERVER:

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

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: 1-9-14

PURGE METHOD: NA TIME: 1450

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:					13.6	( )	

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:	COLD - CLOUDY		
SHIPPED VIA:	FedEX		
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE Huntington NC		
SAMPLER:	EVER GUILLEN	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

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: 1-9-14

PURGE METHOD: NA TIME: ~~[illegible]~~ 1530

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:					~~[illegible]~~	( )	
		3.46	7.0	0.05	>1100		

COMMENTS: ~~PH/COND METER NOT WORKING~~

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:	COLD - CLOUDY		
SHIPPED VIA:	FedEX		
SHIPPED TO:	~~Test America-North Canton, OH or AES - Atlanta, GA~~ PACE - Huntington NC		
SAMPLER:	EVER GUILLEN	OBSERVER:	

[0.163 x water column height (ft) x 3 (well volumes) for 2" wells]

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Document Date: March 7, 2014			
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