September 9, 2015

Mr. David Reuland
Response & Remediation Program
Land Protection Branch
2 Martin Luther King Jr. Drive, SE
Suite 1054 East Floyd Tower
Atlanta, Georgia 30334-9000

Subject: **Voluntary Remediation Plan Status Report No. 9**
Thermo King Corporation - Louisville, Jefferson County, Georgia
HSI Site No. 10702 Tax Parcel 0090-024
Amec Foster Wheeler Project 6122-09-0322

Dear Mr. Reuland:

Amec Foster Wheeler Environment & Infrastructure, Inc., on behalf of Thermo King Corporation is hereby submitting the attached Status Report No.9 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 approval letter dated March 10, 2011.

This status report covers the period from March 2015 to shortly before submittal of this status report in September 2015. The report includes information on the July 2015 groundwater, seep, and surface water sampling, inspection of the rip-rap blanket, and summary of professional hours.

Sincerely,

Amec Foster Wheeler Environment & Infrastructure, Inc.

Rhonda N. Quinn, P.G.
Senior Geologist
Georgia Registration# 1031

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Principal Engineer/Project Manager
Georgia Professional Engineer # 025565

Enclosure

cc: Michael Goldstein – Ingersoll Rand Company

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VOLUNTARY REMEDIATION PLAN STATUS REPORT NO. 9

Thermo King Corporation
Louisville, Jefferson County, Georgia
HSI Site No. 10702

Prepared for:	Thermo King Corporation 1430 Georgia Highway 24 East, Louisville, Georgia 30434
Date:	September 9, 2015
Prepared by:	Amec Foster Wheeler Environment & Infrastructure, Inc. 1075 Big Shanty Road NW, Suite 100, Kennesaw, Georgia 30144
Project No.:	6122090322

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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

September 8, 2015
Date

Signature and Stamp

2.0 INTRODUCTION AND BACKGROUND

This Voluntary Remediation Plan Semi-Annual Status Report No. 9 (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 ninth Status Report covers the activities conducted from March 2015 until shortly before the submittal of this status report (September 2015).

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. Eight Status Reports have been submitted to EPD covering the time period from March 2011 to March 2015. This ninth Status Report documents the semi-annual groundwater, seep and surface water monitoring conducted in July 2015, and the inspection of the rip-rap blanket.

3.0 WORK PERFORMED MARCH TO SEPTEMBER 2015

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 March 2015 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 July 2015 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:

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

Groundwater elevations are summarized on Table 1. The July 2015 Uppermost Water-Bearing Zone (UWBZ) groundwater elevations were generally on average 0.2 foot higher than those measured in January 2015; Intermediate Water-Bearing Zone (IWBZ) groundwater elevations were on average 0.8 feet higher than those recorded in January 2015. When compared to the June 2014 levels, the July 2015 levels in the UWBZ were 0.8 feet lower and the IWBZ levels were 0.5 feet lower. Total rainfall for the Louisville area for January through June 2015 was 22.7 inches, which is about four inches more than the total rainfall amount for July through December 2014. The recent rise in groundwater elevations are attributed to more rainfall recorded in first half of 2015. Groundwater elevations in the UWBZ are more sensitive to variation in rainfall than are elevations in the IWBZ. The alluvium wells showed a decrease in elevation from January to July 2015. 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 July 7, 2015 are presented on Figures 1 and 2. Groundwater flow directions in the UWBZ are 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 0.0048 feet/foot. The estimated average groundwater flow velocity in the UWBZ was calculated to range 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 the July 2015 potentiometric surface map to be 0.002 feet/foot. The estimated average groundwater velocity in the IWBZ was calculated to be about 88 feet per year. These rates are similar to rates observed previously.

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. The vertical gradient from the IWBZ to the deeper zone in well pair MW-25 and MW-24 was a downward gradient of 0.3 feet/foot.

3.1.2 Groundwater Samples

Groundwater samples were collected from monitoring wells MW-3, MW-5, MW-10, MW-14, MW-19, MW-20, MW-22, MW-25, MW-27, and MW-28 on July 8 and 9, 2015. 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 and 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 July 2015 groundwater samples were analyzed by Pace Analytical Laboratory in Huntersville, North Carolina.

3.1.3 Seep Samples

Water samples were collected on July 9, 2015 from four of the seven seeps (MB#2, Seep #2, Seep G, and Seep H) as listed in the VIRP. Seeps B, I, and L were dry during the July sampling event and could not be sampled. 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 July 2015 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 July 10, 2015. Surface water samples were collected from the 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.

3.1.5 Financial Assurance

The financial assurance for 2015 was submitted to EPD on May 4, 2015. The 2015 VRP financial assurance was a letter confirming the existing cost estimate and financial assurance amount continue to be sufficient to cover the cost of remediation as presented in the Voluntary Remediation Plan, dated December 22, 2010. An Irrevocable Standby Letter of Credit that automatically renews annually was provided to the EPD in May 2011 for the VRP financial assurance.

3.2 Analytical Results

The following sections describe the results of the analysis of groundwater, seep, and surface water samples collected on July 8-10, 2015.

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

Groundwater samples were collected during the July 8-10, 2015 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).

As shown on Figure 3, TCE concentrations in MW-3 have decreased since sampling was initiated in 2000, have been below the TCE MCL of 5 µg/L since 2008, and have been non-detect in the three most recent sampling events. Between the January 2012 and January 2015 sampling events, TCE concentrations in MW-5 increased from 230 to 654 µg/L. The July 2015 TCE concentration was 354 µg/L. Future TCE concentration results in samples from MW-5 will be reviewed to determine if the July 2015 results represent a change from the previous trend of increasing TCE concentrations.

From mid-2010 to early 2013, 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) were relatively stable at concentrations ranging between 4000 and 6400 µg/L. Concentrations from mid-2013 through June 2014 decreased to 2340 µg/L. The TCE concentration in the January 2015 sample was 3280 µg/L, potentially representing a reversal of this recent decreasing trend. However, the July TCE concentration was 1760 µg/L, indicating a continuation of the decreasing concentration trend. Future sampling results will be evaluated to determine if the trend of decreasing concentrations in MW-19 samples continues.

Cis-1,2-dichloroethene has not been detected in MW-3 or MW-10 samples. The July 2015 cis-1,2-dichloroethene concentrations reported in MW-5 and MW-19 were <4.0 and <25 µg/L, respectively, and were generally consistent with the concentrations recently reported.

Figure 4 shows TCE and cis-1,2-dichloroethene 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 have fluctuated from <1 to 21.5 µg/L. While concentrations may be gradually increasing in MW-27 samples, there is no apparent trend of increasing or decreasing concentrations in samples from MW-28. During the same monitoring period, cis-1,2-dichloroethene concentrations in these two wells have also fluctuated, with concentrations ranging from 4 to 23.5 µg/L. While concentrations in MW-27 samples appear to be relatively stable, those in MW-28 appear to be increasing.

Two other chlorinated VOCs (1,1-dichloroethene and chloroform) were detected in 2015 groundwater samples from alluvial and UWBZ wells, generally at concentrations similar to those previously reported. Methylene chloride was reported in UWBZ wells MW-5 and MW-19 (and in IWBZ well MW-14). Methylene chloride was also detected in the trip blank. Recognizing that methylene chloride has not previously been detected in the wells listed above, it is our opinion that the reported methylene chloride is related to trip blank contamination and is not a constituent in groundwater. 1,4-dioxane was not detected in the alluvial and UWBZ groundwater samples; vinyl chloride was reported in the MW-28 July sample at 1.0 µg/L.

Hexachloro-1,3-butadiene was detected at 6 and 5.3 µg/L in the 2015 groundwater samples from well MW-5. This same constituent was detected in well MW-5 at 1.4 µg/L in July 2013 and 2.9 µg/L in well MW-5 and at well MW-19 at 1.8 µg/L in June 2014, and 2.1 µg/L in well MW-19 in January 2014. This constituent has not been detected in other groundwater samples from the Louisville site in over 10 years of monitoring. Hexachloro-1,3-butadiene will continue to be monitored.

3.2.2 Groundwater in the Intermediate Water-Bearing Zone

Groundwater samples were collected from IWBZ monitoring wells MW-14, MW-20, MW-22, and MW-25 during the July 2015 sampling event. The analytical results for these wells are summarized on Table 2. The primary constituents detected are TCE, cis-1,2-dichloroethene, and 1,1-dichloroethene. Figure 5 shows historic TCE concentrations reported in IWBZ wells MW-14, MW-25, and MW-20. During the monitoring interval from 2010 through 2012, TCE concentrations in upgradient well MW-14 were reported in the general range of 3500 to 4000 µg/L. TCE concentrations then decreased through 2013 to June 2014, to a TCE concentration of 1450 µg/L. The January 2015 concentration, 2060 µg/L, suggested a reversal of the recent trend of decreasing TCE concentrations. However, the lower TCE concentration (1730 µg/L) reported in July appears to support continuing decreasing TCE concentration. A similar concentration pattern was observed in the 2015 analyses of samples from MW-25; a higher concentration reported in January (3250 µg/L) followed by a lower July concentration (1830 µg/L). Overall, the trend of TCE concentrations in IWBZ monitoring wells appear to be decreasing.

TCE was reported in the July sample from downgradient well MW-22 at 1.2 µg/L. Naphthalene, a contaminant in the trip blank at 2.7 µg/L, was also “detected” in the MW-22 sample (2.8 µg/L).

VOCs have not previously been detected in MW-22 samples and based on the absence (ND at <2.5 and <1.0 µg/L) of TCE in the next upgradient well (MW-20, located approximately 1000 feet upgradient from MW-22), TCE was not expected to be detected in the MW-22 sample. Well MW-22 will continue to be monitored for the presence of TCE or other VOCs.

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 with a recent trend of slightly decreasing concentrations. Concentrations since sampling was initiated in 2003 in MW-20 have increased. While the July 2013 through January 2015 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, the July 2015 concentrations (407 µg/L) support the previously observed trend of increasing cis-1,2-dichloroethene concentrations.

Most recent (July 2015) concentrations of 1,1-dichloroethene in IWBZ wells (from upgradient to downgradient) were 44.4 µg/L in MW-14, 22.8 µg/L in MW-25, 8.9 µg/L in MW-20, and <1.0 µg/L in MW-22. Vinyl chloride was detected in the July 2015 samples from MW-20 (4.7 µg/L) and from MW-25 (23.6 µg/L). These results are consistent with those recently reported.

3.2.3 Seeps

The July 2015 seep sample results are presented on Table 3; detections are summarized below (all results are reported in µg/L): The January 2015 results are also presented.

Seep MB#2 (beneath the rip-rap cover)			**Seep H (beneath the rip-rap cover)**		
	Jan	**Jul**		**Jan**	**Jul**
TCE	<1	<1	TCE	359	157
Cis-1,2-DCE	3.8	3.3	Cis-1,2-DCE	33.8	75.9
1,1-DCE	<1	<1	1,1-DCE	25.8	21.2
1,1-DCA	3.2	2.2	1,1-DCA	<2	<1
Vinyl Chloride	15	12.2	Vinyl Chloride	<2	<1
Toluene	<1	<1	Toluene	<2	<1
Seep #2			**Seep L**		
	Jan	**Jul**		Jan	Jul
TCE	6.1	1.0	TCE	1.5	DRY
Cis-1,2-DCE	3.9	13.4	Cis-1,2-DCE	2.4	
1,1-DCE	<1	<1	1,1-DCE	<1	
1,1-DCA	<1	<1	1,1-DCA	<1	
Vinyl Chloride	<1	<1	Vinyl Chloride	<1	
Toluene	<1	<1	Toluene	<1	

Seep G		
	Jan	**Jul**
TCE	2.4	<1
Cis-1,2-DCE	9.6	20.2
1,1-DCE	1.5	2.4
1,1-DCA	<1	<1
Vinyl Chloride	<1	<1
Toluene	<1	<1

The reported July 2015 VOC concentrations in seep samples are similar to those recently reported, typically decreasing with time (see time trend plots of six VOCs for the period 2012 through 2015, Figures 7 through 12). The sample from Seep H exceeded Georgia ISWQC for TCE while the sample from Seep MB#2 exceeded for vinyl chloride. Both seeps are beneath the rip-rap blanket. No VOCs were detected at concentrations exceeding Georgia ISWQC in seeps located beyond the riprap blanket (Seeps #2, G, L, B, and I).

Figures 7 through 12 show time trend plots of six VOCs detected in the seeps for the period 2012 through 2015. With some fluctuations noted, these figures illustrate the VOC concentrations in the seeps are decreasing.

3.2.4 Surface Water

Surface water samples were 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 14 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, are at concentrations well below those that would result in future TCE exceedances of the ISWQC in Manson Branch. The July 2015 groundwater and seep sampling results continue to support his conclusion.

- The January and July 2015 TCE concentrations in MW-19, the UWBZ well located just upgradient of the seep discharges, continue the recent trend in decreasing concentrations.

- VOC concentrations in seep samples appear to be stable or decreasing for all constituents previously reported, and no VOC detections exceeding ISWQC were reported in seep samples located beyond the rip-rap blanket.

- TCE and cis-1,2-dichloroethene concentrations in samples collected from 2010 through 2014 from colluvial/alluvial wells MW-27 and MW-28 were in the general range of approximately 5 to 25 µg/L. Concentration trends are stable to slightly increasing. The concentrations of these constituents are well below those that would represent a potential impact to surface water in Manson Branch at a level near the ISWQC.

- VOCs have not been detected in 15 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 July 2015 groundwater sampling results for Intermediate Zone monitoring wells MW-14, MW-20, MW-22, and MW-25, are presented on Table 2. As illustrated on Figures 5 and 6, the July 2015 results for TCE and cis-1,2-dichloroethene in these wells continue the decreasing trends that have been observed over the past 2-3 years.

TCE was reported in the July sample from downgradient well MW-22 at 1.2 µg/L. Naphthalene, a contaminant in the trip blank at 2.7 µg/L, was also "detected" in the MW-22 sample (2.8 µg/L). VOCs have not previously been detected in MW-22 samples and based on the absence (ND at <2.5 and <1.0 µg/L) of TCE in the next upgradient well (MW-20, located approximately 1000 feet upgradient from MW-22), TCE was not expected to be detected in the MW-22 sample. Well MW-22 will continue to be monitored for the presence of TCE or other VOCs.

Figures 13A, 14A, and 15A and 13B, 14B, and 15B (distance versus concentration graphs for Intermediate Zone wells) illustrate recent (2011 through 2015) concentrations versus those modeled predictions (Appendix A in Status Report No. 3). The graphs show that the July 2015 constituent concentrations, with the exception of the reported TCE concentration of 1.2 µg/L in the MW-22 sample, 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 Riprap Blanket Inspection

The inspection of the area conducted in July 2015 showed 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. There was some sediment accumulation in the check dam near Seep MB#2. No maintenance activities were conducted during this reporting period.

3.5 Plant Closure Activities

Thermo King Corporation ceased manufacturing operations at the Louisville plant near the end of 2012. Subsequently, closure activities were conducted to remove materials and equipment from the facility. As part of the plant closeout activities, the on-site wastewater treatment plant was decommissioned in early 2013 and EPD rescinded, at the request of Thermo King, the Industrial Pre-Treatment Permit WQ-IP-035 in a letter dated May 23, 2013. Thermo King requested EPD terminate the facility's Industrial Storm Water NPDES Permit.

3.6 Environmental Covenant

Institutional controls will be used to maintain an incomplete pathway of exposure to impacted groundwater by restricting its use. An Environmental Covenant has been prepared for the Thermo King site. In addition, the floor slab is designated as an exposure barrier to contact with impacted soil beneath the slab. The covenant and VIRP specify inspections of the floor slab to document

the integrity and function of the floor slab as an exposure barrier. Additionally, the covenant directs that any additional environmental sampling and/or subsurface investigations 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. A copy of the draft environmental covenant was mailed on July 28, 2014 to the abutting property owners, parties with an interest in the property (Georgia Power), the City of Louisville Mayor and Jefferson County Commission Chairman and County Manager for their review prior to EPD signing the covenant. No comments were received from the adjacent property owners. Thermo King signed and notarized the covenant. The final covenant was submitted to EPD on September 23, 2014 for their signature. On November 20, 2014, EPD responded back that the signature block on the covenant had changed since submittal and that unofficial witness signatures along with a copy of the certified authorized representatives' corporate authorization statement are now required. This is an addition to the authorized representative and notary signatures, previously required. The execution of the revised signature block was delayed by the potential sale of the property. The authorized signature and corporate certification statement were executed and the covenant was submitted to EPD on March 4, 2015 for their signature.

On April 23, 2015, EPD communicated that the original wet-ink signed covenant had been damaged while in their possession. EPD indicated that the covenant would need to be re-signed by Thermo King and re-submitted because the damaged covenant could not be signed or publicly recorded. Thermo King took the opportunity to update the covenant with specific language for vapor intrusion exposure to more explicitly require re-assessing and mitigation of vapor intrusion exposure if the property is re-developed or the building floor slab is removed. EPD approved the additional vapor mitigation language and did not require another public review. The updated covenant was signed by Thermo King in June and the signature of the corporate certification is pending.

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 review, modification as required, 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 16 is the updated Gantt Chart Schedule of VRP Activities.

4.1 Financial Assurance

The financial assurance for 2016 will be submitted to EPD in April 2016. The 2016 VRP financial assurance will consist of a letter confirming the existing cost estimate and financial assurance amount continue to be sufficient to cover the cost of remediation as presented in the Voluntary Remediation Plan, dated December 22, 2010. An Irrevocable Standby Letter of Credit that automatically renews annually was provided to the EPD in May 2011 for the VRP financial assurance.

4.2 Completion and Execution of Environmental Covenant

The final environmental covenant with the vapor intrusion language and corporate certification will be executed by Thermo King Corporation and submitted to EPD for their signature. The covenant will subsequently be recorded with the property deeds in Jefferson County before the next Status Report in March 2016. Once the covenant is executed, inspections of the floor slab as an exposure barrier will be initiated.

4.3 Riprap Blanket Inspection and Maintenance

The riprap blanket will be inspected at the next semi-annual water sampling event. Maintenance of the riprap 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.

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

The next semi-annual groundwater, seep, and surface water sampling will be conducted in December 2015-Janauary 2016. 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 March 2016 Compliance Status Report.

4.5 VRP Compliance Status Report

Per the EPD March 10, 2011 approval letter, a VRP Compliance Status Report will be prepared to document the implementation of the VRP corrective action at the site. The Compliance Status Report is due March 2016.

5.0 PROFESSIONAL SERVICES HOURS THIS PERIOD

Approximately 349 professional service hours have been provided by Amec Foster Wheeler from January 1, 2015 through July 24, 2015. A table of the breakdown of Amec Foster Wheeler 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 21.5 labor hours to the project to direct and review the various aspects of implementation of the VRP during this reporting period.

TABLES

Table 1: Summary of Groundwater Elevations

Monitoring Well	Water-Bearing Zone Screened	Top of Casing Elevation (ft, NAVD)	Depth to Water from Top of Casing (ft) September 11, 2003	Groundwater Elevation (ft, NAVD) September 11, 2003	Depth to Water from Top of Casing (ft) June 24, 2004	Groundwater Elevation (ft, NAVD) June 24, 2004	Depth to Water from Top of Casing (ft) October 12, 2004	Groundwater Elevation (ft, NAVD) October 12, 2004	Depth to Water from Top of Casing (ft) February 25, 2008	Groundwater Elevation (ft, NAVD) February 25, 2008	Depth to Water from Top of Casing (ft) June 1-3, 2010	Groundwater Elevation (ft, NAVD) June 1-3, 2010	Depth to Water from Top of Casing (ft) June 24, 2010	Groundwater 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	Groundwater Elevation (ft, NAVD) October 21, 2010	Depth to Water from Top of Casing (ft) June 6, 2011	Groundwater Elevation (ft, NAVD) June 6, 2011	Depth to Water from Top of Casing (ft) January 16, 2012	Groundwater Elevation (ft, NAVD) January 16, 2012	Depth to Water from Top of Casing (ft) July 9, 2012	Groundwater Elevation (ft, NAVD) July 9, 2012	Depth to Water from Top of Casing (ft) January 7, 2013	Groundwater Elevation (ft, NAVD) January 7, 2013
MW-1	Uppermost	333.69	46.73	286.96	48.02	285.67	49.18	284.51	49.91	283.78	49.88	283.81
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
MW-23	Intermediate	323.77	80	243.77	79.76	244.01	80.82	242.95	80.75	243.02	81.06	242.71
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
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
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
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
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
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
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

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) July 8, 2013	Groundwater Elevation (ft, NAVD) July 8, 2013	Depth to Water from Top of Casing (ft) January 7, 2014	Groundwater Elevation (ft, NAVD) January 7, 2014	Depth to Water from Top of Casing (ft) June 24, 2014	Groundwater Elevation (ft, NAVD) June 24, 2014	Depth to Water from Top of Casing (ft) January 12, 2015	Groundwater Elevation (ft, NAVD) January 12, 2015	Depth to Water from Top of Casing (ft) July 7, 2015	Groundwater Elevation (ft, NAVD) July 7,2015
MW-1	Uppermost	333.69	48.18	285.51	47.03	286.66	45.41	288.28	46.71	286.98	46.79	286.90
MW-2	Uppermost	322.38	38.48	283.90	36.80	285.58	36.67	285.71	37.98	284.40	37.72	284.66
MW-3	Uppermost	325.45	41.71	283.74	39.94	285.51	39.78	285.67	40.96	284.49	40.80	284.65
MW-4	Uppermost	323.78	40.23	283.55	38.47	285.31	38.61	285.17	39.00	284.78	39.47	284.31
MW-5	Uppermost	321.10	39.10	282.00	38.27	282.83	38.22	282.88	39.12	281.98	38.79	282.31
MW-6	Uppermost	314.37	30.69	283.68	29.99	284.38	NM	NM	31.00	283.37	30.45	283.92
MW-7	Uppermost	320.23	34.62	285.61	33.59	286.64	33.46	286.77	34.59	285.64	34.18	286.05
MW-8	Uppermost	329.70	42.93	286.77	45.14	284.56	40.79	288.91	42.25	287.45	41.98	287.72
MW-9	Uppermost	323.09	38.25	284.84	36.43	286.66	36.74	286.35	37.26	285.83	37.60	285.49
MW-10	Uppermost	310.05	27.82	282.23	27.61	282.44	27.62	282.43	28.40	281.65	27.81	282.24
MW-11	Uppermost	333.77	51.04	282.73	49.09	284.68	48.91	284.86	50.28	283.49	50.11	283.66
MW-12	Uppermost	328.34	48.48	279.86	47.11	281.23	46.93	281.41	48.17	280.17	47.95	280.39
MW-13	Uppermost	283.71	7.44	276.27	8.32	275.39	8.50	275.21	9.06	274.65	8.50	275.21
MW-14	Intermediate	311.62	64.48	247.14	64.91	246.71	65.04	246.58	65.21	246.41	65.34	246.28
MW-15	Alluvium	260.18	3.47	256.71	4.28	255.90	6.35	253.83	4.45	255.73	5.17	255.01
MW-16	Alluvium	253.81	3.07	250.74	3.87	249.94	4.96	248.85	4.07	249.74	4.94	248.87
MW-17	Intermediate	260.48	11.53	248.95	11.78	248.70	12.26	248.22	12.54	247.94	12.35	248.13
MW-18	Intermediate	254.18	5.39	248.79	5.67	248.51	6.21	247.97	6.31	247.87	6.25	247.93
MW-19	Uppermost	311.89	30.80	281.09	30.32	281.57	30.36	281.53	31.02	280.87	30.68	281.21
MW-20	Intermediate	325.75	80.21	245.54	80.53	245.22	80.35	245.40	80.85	244.90	80.81	244.94
MW-21	Intermediate	320.49	76.18	244.31	76.53	243.96	75.89	244.60	76.70	243.79	76.48	244.01
MW-22	Intermediate	334.05	90.17	243.88	90.53	243.52	90.03	244.02	90.75	243.30	90.56	243.49
MW-23	Intermediate	323.77	79.33	244.44	79.77	244.00	79.56	244.21	80.02	243.75	79.93	243.84
MW-24	Lower	321.23	88.70	232.53	87.08	234.15	86.34	234.89	94.41	226.82	88.05	233.18
MW-25	Intermediate	321.18	75.02	246.16	75.40	245.78	75.31	245.87	75.70	245.48	75.65	245.53
MW-26	Alluvium	255.29	3.94	251.35	4.68	250.61	5.86	249.43	5.16	250.13	5.94	249.35
MW-27	Alluvium	257.50	4.34	253.16	4.49	253.01	6.62	250.88	4.66	252.84	5.09	252.41
MW-28	Alluvium	251.73	3.86	247.87	4.13	247.60	5.26	246.47	4.35	247.38	4.70	247.03
Staff Gauge near MW-16	Surface Water	249.80	1.44	248.36	1.38	248.42	dry at gauge		1.10	248.70	1.47	248.33
Hwy 24 Bridge over Manson Branch	Surface Water	257.08	6.78	250.30	6.21	250.87	6.22	250.86	5.40	251.68	5.54	251.54

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 7/27/2015
Checked By/Date: RNQ 8/13/2015

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	10/13/2004	4/7/2008	6/1/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - 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)								
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	
1,2,4-Trimethylbenzene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	<1.0	<5.0	NA	NA	NA	<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	
n-propylbenzene	<1.0	<5.0	NA	NA	NA	<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	
m&p-xylenes	<1.0	<5.0	NA	NA	NA	<5.0	<2.0	
o-xylene	<1.0	<2.5	NA	NA	NA	<5.0	<1.0	
Total Xylenes	NA	NA	<5.0	<5.0	<5.0	NA	NA	
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			

NOT SAMPLED per VIRP

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 & July 2012, January &July 2013, January & July 2014, January&July 2015
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton	
Purge Method/Sample Method	Bailer/ Bailer	Bailer/ Bailer	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	
Constituent								
Volatile Organic Compounds - SW8260B - (µg/L)								
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	
1,2,4-Trimethylbenzene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	<1.0	<5.0	NA	NA	NA	<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	NOT SAMPLED per VIRP
Hexachlorobutadiene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
n-propylbenzene	<1.0	<5.0	NA	NA	NA	<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	
m&p-xylenes	<1.0	<5.0	NA	NA	NA	<5.0	<2.0	
o-xylene	<1.0	<2.5	NA	NA	NA	<5.0	<1.0	
Total Xylenes	NA	NA	<5.0	<5.0	<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)								
Total Silver								
Dissolved Silver								
Total Cadmium								
Dissolved Cadmium								
Total Chromium								
Dissolved Chromium								
Total Lead								
Dissolved Lead								
Total Copper								
Dissolved Copper								
Total Nickel								
Dissolved Nickel								
Total Zinc								
Dissolved Zinc								

Metals were not sampled and analyzed

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	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'	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	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	6/25/2014	1/13/2015	7/8/2015
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	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	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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<150	<5.0	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<150	<5.0	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	<75000	<250	<400	<250	<250	<250	<50	<50	NA	<100	<100	<100	<50	<150	<150	<150	<150
Chloroform	<150	<5.0	<10	**7.3**	**7.7**	<5.0	**2.3**	**2.3**	**2.7**	**2.8**	**3.0**	**3.0**	**3.2**	**2.5**	**3.5**	**3.7**	**4.0**
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	<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	<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	<1.0	<1.0	<1.0
n-propylbenzene	<150	<5.0	NA	NA	NA	<5.0	<1.0	<1.0	NA	<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	<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	<2.0	<2.0	<2.0
Naphthalene	<150	<5.0	<10	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<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	<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	<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	<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**	**3.1**	**2.2**	**3.7**	<1.0	<1.0	<1.0
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	<1.0	<1.0	<1.0
m&p-xylenes	<150	<5.0	NA	NA	NA	<5.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
o-xylene	<150	<2.5	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Xylenes	NA	NA	<10	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	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
Laboratory	STL Tampa	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton	January & July 2012, January & July 2013, January & June 2014, January&July 2015
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)								
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	
1,2,4-Trimethylbenzene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	<1.0	<5.0	NA	NA	NA	<5.0	<1.0	
1,4-Dioxane	<500	<250	<200	<250	<250	<5.0	<1.0	
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	<5.0	<1.0	
Ethylbenzene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	NOT SAMPLED per VIRP
Hexachlorobutadiene	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
n-propylbenzene	<1.0	<5.0	NA	NA	NA	<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	<5.0	<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	<5.0	<1.0	
m&p-xylenes	<1.0	<5.0	NA	NA	NA	<5.0	<2.0	
o-xylene	<1.0	<2.5	NA	NA	NA	<5.0	<1.0	
Total Xylenes	NA	NA	<5.0	<5.0	<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	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-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'
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
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
Laboratory	STL Tampa	STL North Canton	STL North Canton		STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton
Purge Method/Sample Method	Bailer/ Bailer	Bailer/ Bailer	PumpLFLS/ Bailer		PumpLFLS/ Bailer	PumpLFLS/ Bailer/PDB	PumpLFLS/ Bailer/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS
Constituent										
Volatile Organic Compounds - SW8260B - (µg/L)				DL x25						
1,1,1,2-Tetrachloroethane	<400	<500	<25		<33	<45	<42	<12	<8.0	<8.0
1,1,1-Trichloroethane	<400	<500	**45**	<120	**53**	<45	<42	<12	<8.0	<8.0
1,1-Dichloroethane	<400	<500	<25		<33	<45	<42	<12	<8.0	<8.0
1,1-Dichloroethene	<400	<500	**44**	<120	**65**	<45	<42	<12	**8.9**	**22**
1,2,3-Trichlorobenzene	<400	<500	NA		NA	NA	NA	<12	<8.0	<8.0
1,2,4-Trichlorobenzene	<400	<500	<25		<33	<45	<42	<12	<8.0	<8.0
1,2,4-Trimethylbenzene	<400	<500	NA	NA	NA	NA	NA	<12	<8.0	<8.0
1,3,5-Trimethylbenzene	<400	<500	NA	NA	NA	NA	NA	<12	<8.0	<8.0
1,4-Dioxane	<200000	<25000	<1200		<1300	<2300	<2100	<620	<400	<400
Chloroform	<400	<500	<25	<120	<33	<45	<42	<12	<8.0	<8.0
cis-1,2-Dichloroethene	<400	<250	**15**	<62	**19**	<45	<42	<6.2	<8.0	<8.0
Ethylbenzene	<400	<500	<25		<33	<45	<42	<12	<8.0	<8.0
Hexachlorobutadiene	<400	<500	<25		<33	<45	<42	<12	<8.0	<8.0
n-propylbenzene	<400	<500	NA		NA	NA	NA	<12	<8.0	<8.0
p-Isopropyltoluene	<400	<500	NA		NA	NA	NA	<12	<8.0	<8.0
Methylene chloride	<800	<500	<25	<120	<33	<45	<42	<12	<8.0	<8.0
Naphthalene	<400	<500	<25		<33	<45	<42	<12	<8.0	<8.0
Tetrachloroethene	<400	<500	<25		<33	<45	<42	<12	<8.0	<8.0
trans-1,2-Dichloroethene	<400	<250	<12		<17	<45	<42	<6.2	<8.0	<8.0
Toluene	<400	<500	<25	<120	<33	<45	<42	<12	<8.0	<8.0
Trichloroethene	**7400**	**15000**	**730**	**730**	**1200**	**310**	**320**	**180**	**210**	**210**
Vinyl Chloride	<400	<200	<25		<33	<18	<17	<5.0	<8.0	<8.0
m&p-xylenes	<400	<500	NA		NA	NA	NA	<12	<16.0	<16.0
o-xylene	<400	<250	NA		NA	NA	NA	<12	<8.0	<8.0
Total Xylenes	NA	NA	<25		<33	<5.0	<42	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA		NA	NA	NA	<2.0	<2.0	<2.0
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
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'
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
Passive Diffusion Bag Sample Depth (ft. btoc)									
Date Sampled	6/7/2011	1/18/2012	7/11/2012	1/10/2013	7/9/2013	1/8/2014	6/25/2014	1/13/2015	7/8/2015
Laboratory	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
Purge Method/Sample Method	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent									
Volatile Organic Compounds - SW8260B - (µg/L)									
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	**2.5**	<4.0	<4.0
1,1,1-Trichloroethane	**4**	**1.8**	<1.0	<8.0	**1.4**	**2.3**	**3**	<4.0	<4.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	<2.0	<4.0	<4.0
1,1-Dichloroethene	**15**	**12**	<1.0	<8.0	**9.8**	**19.1**	**24**	**7.4**	<4.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<8.0	**1.5**	<2.0	<2.0	<4.0	<4.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<8.0	**1.5**	<2.0	<2.0	<4.0	<4.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	<1.0	<4.0	<4.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	<1.0	<4.0	<4.0
1,4-Dioxane	NA	<100	<100	<400	<50	<300	NA	NA	NA
Chloroform	**1.8**	**1.8**	**2.1**	<8.0	**3.0**	**2.3**	**3.5**	<4.0	<4.0
cis-1,2-Dichloroethene	**4.5**	**3.6**	<1.0	<8.0	**3.7**	**8.1**	**9.6**	**5.1**	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	<2.0	<4.0	<4.0
Hexachlorobutadiene	<1.0	<1.0	<1.0	<8.0	**1.4**	<2.0	**2.9**	**6.0**	**5.3**
n-propylbenzene	NA	<1.0	<1.0	<8.0	<1.0	<2.0	<1.0	<4.0	<4.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	<1.0	<4.0	<4.0
Methylene chloride	<5.0	<1.0	<1.0	<8.0	<1.0	<4.0	<4.0	<8.0	**10.4 B**
Naphthalene	<5.0	<5.0	<5.0	<8.0	**1.1**	<2.0	<2.0	<4.0	<4.0
Tetrachloroethene	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	**2.2**	<4.0	<4.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	<2.0	<4.0	<4.0
Toluene	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	<2.0	<4.0	<4.0
Trichloroethene	**160**	**230**	**220**	**240**	**370**	**397**	**482**	**654**	**354**
Vinyl Chloride	<1.0	<1.0	<1.0	<8.0	<1.0	<2.0	<2.0	<4.0	<4.0
m&p-xylenes	<2.0	<1.0	<1.0	<16.0	<2.0	<4.0	<2.0	<8.0	<8.0
o-xylene	<1.0	<1.0	<1.0	<8.0	<1.0	<1.0	<1.0	<4.0	<4.0
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	<2.0	<5.0	<5.0	<40	<2.0	<2.0	<2.0	<2.0	<2.0
Site-Specific Metals - SW6010B - (mg/L)									
Total Silver									
Dissolved Silver									
Total Cadmium									
Dissolved Cadmium									
Total Chromium									
Dissolved Chromium									
Total Lead	Metals were not sampled and analyzed								
Dissolved Lead									
Total Copper									
Dissolved Copper									
Total Nickel									
Dissolved Nickel									
Total Zinc									
Dissolved Zinc									

Table 2: Summary of Detected Constituents in Groundwater Samples

Sample ID	MW-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 & July 2012, January & July 2013, January & June 2014, January&July 2015	2/25/2003	4/8/2008	6/1/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015
Laboratory	STL Tampa	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton		STL North Canton	Test America - North Canton	Test America - 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)										
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	
1,2,4-Trimethylbenzene	<1.0	<5.0	NA	<5.0	<1.0		NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	<1.0	<5.0	NA	<5.0	<1.0		NA	<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	
n-propylbenzene	<1.0	<5.0	NA	<5.0	<1.0		NA	<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	
m&p-xylenes	<1.0	<5.0	NA	<5.0	<2.0		NA	<5.0	<2.0	
o-xylene	<1.0	<2.5	NA	<5.0	<1.0		NA	<5.0	<1.0	
Total Xylenes	NA	NA	<5.0	NA	NA		<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA		NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)										
Total Silver										
Dissolved Silver										
Total Cadmium										
Dissolved Cadmium										
Total Chromium										
Dissolved Chromium										
Total Lead										
Dissolved Lead										
Total Copper										
Dissolved Copper										
Total Nickel										
Dissolved Nickel										
Total Zinc										
Dissolved Zinc										

NOT SAMPLED per VIRP

Metals were not sampled and analyzed

Metals were not sampled and analyzed

NOT SAMPLED per VIRP

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 & July 2012, January & July 2013, January & June 2014, January&July 2015	2/24/2003	4/7/2008	6/1/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton		STL North Canton	Test America - North Canton	Test America - 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)											
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	
1,2,4-Trimethylbenzene	NA	NA	NA	NA	<5.0	<1.0		NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	NA	NA	NA	NA	<5.0	<1.0		NA	<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	
n-propylbenzene	NA	NA	NA	NA	<5.0	<1.0		NA	<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	
m&p-xylenes	NA	NA	NA	NA	<5.0	<2.0		NA	<5.0	<2.0	
o-xylene	NA	NA	NA	NA	<5.0	<1.0		NA	<5.0	<1.0	
Total Xylenes	<5.0	<5.0	<5.0	<5.0	NA	NA		<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA		NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)											
Total Silver											
Dissolved Silver											
Total Cadmium											
Dissolved Cadmium											
Total Chromium											
Dissolved Chromium											
Total Lead											
Dissolved Lead											
Total Copper											
Dissolved Copper											
Total Nickel											
Dissolved Nickel											
Total Zinc											
Dissolved Zinc											

NOT SAMPLED per VIRP

NOT SAMPLED per VIRP

Metals were not sampled and analyzed

Metals were not sampled and analyzed

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	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'	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	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	6/26/2014	1/13/2015	7/9/2015
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	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	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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<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	<150	<150	<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**	**1.5**	**1.5**	**1.4**
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	<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	<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	<1.0	<1.0	<1.0
n-propylbenzene	NA	NA	NA	NA	<5.0	<1.0	<1.0	NA	<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	<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	<2.0	<2.0	<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	<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	<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	<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	<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**	<1.0	**1.9**	**1.6**
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	<1.0	<1.0	<1.0
m&p-xylenes	NA	NA	NA	NA	<5.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
o-xylene	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Xylenes	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)																
Total Silver		<0.1		<0.1												
Dissolved Silver		<0.1		NA												
Total Cadmium		<0.005		<0.005												
Dissolved Cadmium		<0.005		NA												
Total Chromium		<0.1		<0.1												
Dissolved Chromium	Metals	<0.1		NA												
Total Lead	were not	<0.015		<0.015	Metals were not sampled or analyzed											
Dissolved Lead	sampled	<0.015		NA												
Total Copper	and	<1.0		<1.0												
Dissolved Copper	analyzed	<1.0		NA												
Total Nickel		<0.1		<0.1												
Dissolved Nickel		<0.1		NA												
Total Zinc		<2.0		<2.0												
Dissolved Zinc		<2.0		NA												

Table 2: Summary of Detected Constituents in Groundwater Samples

Sample ID	MW-11	MW-11	MW-11	MW-11	MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13	MW-13
Sample Depth (well screen interval) (ft. bgs)	66'-76'	66'-76'	66'-76'	66'-76'	60.5'-70.5'	60.5'-70.5'	60.5'-70.5'	60.5'-70.5'	12'-22'	12'-22'	12'-22'	12'-22'
Sample Depth (well screen interval) (ft. btoc)	68.5'-78.5'	68.5'-78.5'	68.5'-78.5'	68.5'-78.5'	62.9'-72.9'	62.9'-72.9'	62.9'-72.9'	62.9'-72.9'	14.5'-24.5'	14.5'-24.5'	14.5'-24.5'	14.5'-24.5'
Passive Diffusion Bag Sample Depth (ft. btoc)		76.6'-78.1'	76.6'-78.1'			71.0'-72.5'	71.0'-72.5'			22.6'-24.1'	22.6'-24.1'	
Date Sampled	2/25/2003	4/7/2008	6/2/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015	2/25/2003	4/7/2008	6/2/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015	2/26/2003	4/7/2008	6/2/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015
Laboratory	STL North Canton	Test America - North Canton	Test America - North Canton		STL North Canton	Test America - North Canton	Test America - North Canton		STL North Canton	Test America - North Canton	Test America - North Canton	
Purge Method/Sample Method	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB		PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB		PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	
Constituent												
Volatile Organic Compounds - SW8260B - (µg/L)												
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
1,2,4-Trimethylbenzene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	<5.0	<1.0	
1,4-Dioxane	<200	<250	<50		<200	<250	<50		<200	<250	<50	
Chloroform	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<2.5	<1.0		<2.5	<2.5	<1.0		<2.5	<2.5	<1.0	
Ethylbenzene	<5.0	<5.0	<1.0	NOT SAMPLED per VIRP	<5.0	<5.0	<1.0	NOT SAMPLED per VIRP	<5.0	<5.0	<1.0	NOT SAMPLED per VIRP
Hexachlorobutadiene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
n-propylbenzene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	<5.0	<1.0	
p-Isopropyltoluene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Naphthalene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Tetrachloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<2.5	<2.5	<1.0		<2.5	<2.5	<1.0		<2.5	<2.5	<1.0	
Toluene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Trichloroethene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
Vinyl Chloride	<5.0	<2.0	<1.0		<5.0	<2.0	<1.0		<5.0	<2.0	<1.0	
m&p-xylenes	NA	<5.0	<2.0		NA	<5.0	<2.0		NA	<5.0	<2.0	
o-xylene	NA	<5.0	<1.0		NA	<5.0	<1.0		NA	<5.0	<1.0	
Total Xylenes	<5.0	NA	NA		<5.0	NA	NA		<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA		NA	NA	NA		NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)												
Total Silver	Metals were not sampled and analyzed				Metals were not sampled and analyzed				Metals were not sampled and analyzed			
Dissolved Silver												
Total Cadmium												
Dissolved Cadmium												
Total Chromium												
Dissolved Chromium												
Total Lead												
Dissolved Lead												
Total Copper												
Dissolved Copper												
Total Nickel												
Dissolved Nickel												
Total Zinc												
Dissolved Zinc												

Table 2: Summary of Detected Constituents in Groundwater Samples

Sample ID	MW-14	MW-14PRE	MW-14POST	MW-14LONG	MW-14PRE	MW-14POST	MW-14LONG	MW-14(7:10)	MW-14(9:30)	MW-14(12:15)	MW-14A	MW-14B	MW-14C
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'
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
Passive Diffusion Bag Sample Depth (ft. btoc)											74.5-76	79.5-81	84.5-86
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	5/5/2004	5/5/2004	5/5/2004
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	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	no purge/ PDB	no purge/ PDB	no purge/ PDB
Constituent													
Volatile Organic Compounds - SW8260B - (µg/L)													
1,1,1,2-Tetrachloroethane	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
1,1,1-Trichloroethane	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
1,1-Dichloroethane	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
1,1-Dichloroethene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
1,2,3-Trichlorobenzene	NA	NA	NA	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	<200	<250	<200
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	<5000	<250	<1000	<1000	<1300	<5000	<5000	<10000	<10000	<10000	<10000	<12000	<10000
Chloroform	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
cis-1,2-Dichloroethene	**230**	**180**	**350**	**440**	**190**	**410**	**510**	**470**	**530**	**520**	**500**	**450**	**450**
Ethylbenzene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
Hexachlorobutadiene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
n-propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
Naphthalene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
Tetrachloroethene	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
trans-1,2-Dichloroethene	<50	<3.1	<12	<12	<12	<100	<100	<120	<120	<120	<200	<250	<200
Toluene	<100	<6.2	<25	<25	**29**	<100	<100	<250	<250	<250	<200	<250	<200
Trichloroethene	**3000**	**2200**	**6300**	**8200**	**2400**	**8200**	**8800**	**7000**	**7700**	**7300**	**6800**	**6600**	**6100**
Vinyl Chloride	<40	<6.2	<25	<25	<10	<40	<40	<250	<250	<250	<200	<250	<200
m&p-xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	<100	<6.2	<25	<25	<25	<100	<100	<250	<250	<250	<200	<250	<200
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)													
Total Silver	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-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	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	74.5-76	74.5-76	74.5-76											
Date Sampled	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	6/26/2014	1/14/2015	7/8/2015
Laboratory	STL North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
Purge Method/Sample Method	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	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent															
Volatile Organic Compounds - SW8260B - (µg/L)															
1,1,1,2-Tetrachloroethane	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
1,1,1-Trichloroethane	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
1,1-Dichloroethane	<310	<330	<120	<25	<140	<29	<10	**4.5**	**3.3**	<100	<10	**2.3**	**2.6**	<20	<20
1,1-Dichloroethene	<310	<330	<120	**57**	<140	**58**	**56**	**110**	**90**	<100	**57**	**52.4**	**64.6**	**46.8**	**44.4**
1,2,3-Trichlorobenzene	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
1,2,4-Trichlorobenzene	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
1,2,4-Trimethylbenzene	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	**2.7**	<20	<20
1,3,5-Trimethylbenzene	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
1,4-Dioxane	<16000	<17000	<6200	<1200	<7100	<1400	NA	<100	<100	<5000	<500	<150	NA	NA	NA
Chloroform	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
cis-1,2-Dichloroethene	<310	**410**	**370**	**320**	**380**	**330**	**280**	**390**	**340**	**310**	**350**	**254**	**258**	**189**	**222**
Ethylbenzene	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
Hexachlorobutadiene	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
n-propylbenzene	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
p-Isopropyltoluene	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
Methylene chloride	<310	<330	<120	<25	<140	<29	<50	<1.0	<1.0	<100	<10	<2.0	<2.0	<40	**44.6 B**
Naphthalene	<310	<330	<120	<25	<140	<29	<50	<5.0	<5.0	<100	<10	<1.0	**5.6**	<20	<20
Tetrachloroethene	<310	<330	<120	<25	<140	<29	<10	**2.8**	**2.4**	<100	<10	**1.6**	**1.8**	<20	<20
trans-1,2-Dichloroethene	<310	<170	<120	<25	<140	<29	<10	**1.1**	<1.0	<100	<10	<1.0	<1.0	<20	<20
Toluene	<310	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
Trichloroethene	**1900**	**4800**	**3500**	**3000 E**	**3600**	**3200 E**	**3200**	**4000**	**3700**	**3400**	**2900**	**1990**	**1450**	**2060**	**1730**
Vinyl Chloride	<120	<130	<120	<25	<140	<29	<10	**1.9**	**2.3**	<100	<10	**1.1**	**1.6**	<20	<20
m&p-xylenes	NA	<330	<250	<50	<290	<57	<20	<1.0	<1.0	<200	<20	<2.0	<2.0	<40	<40
o-xylene	NA	<330	<120	<25	<140	<29	<10	<1.0	<1.0	<100	<10	<1.0	<1.0	<20	<20
Total Xylenes	<310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	<25	NA	NA	<29	<20	<5.0	<5.0	<20	<2.0	<2.0	<2.0	<2.0	<8.0
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 & July 2012, January & July 2013, January & June 2014, January&July 2015	4/4/2003	4/7/2008	6/2/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015
Laboratory	STL North Canton	Test America - North Canton	Test America - North Canton		STL North Canton	Test America - North Canton	Test America - 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)								
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	
1,2,4-Trimethylbenzene	NA	<5.0	<1.0		NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	NA	<5.0	<1.0		NA	<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	NOT SAMPLED per VIRP	<5.0	<5.0	<1.0	NOT SAMPLED per VIRP
Hexachlorobutadiene	<5.0	<5.0	<1.0		<5.0	<5.0	<1.0	
n-propylbenzene	NA	<5.0	<1.0		NA	<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	
m&p-xylenes	NA	<5.0	<2.0		NA	<5.0	<2.0	
o-xylene	NA	<5.0	<1.0		NA	<5.0	<1.0	
Total Xylenes	<5.0	NA	NA		<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA		NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)								
Total Silver								
Dissolved Silver								
Total Cadmium								
Dissolved Cadmium								
Total Chromium								
Dissolved Chromium								
Total Lead	Metals were not sampled and analyzed				Metals were not sampled and analyzed			
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	MW-18	MW-18A	MW-18B	MW-18C	MW-18	MW-18	MW-18	MW-18
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'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'	27'-42'
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	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)		36.4-37.9	41.4-42.9	46.4-47.9	36.4-37.9	36.4-37.9	36.4-37.9			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 & July 2012, January & July 2013, January & June 2014, January&July 2015	5/14/2003	5/4/2004	5/4/2004	5/4/2004	10/12/2004	4/7/2008	6/2/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015
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	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton	
Purge Method/Sample Method	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB		PumpLFLS/Bailer	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)																
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<5.0	<1.0		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		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	NA	NA	NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	NA	NA	NA	<5.0	<1.0	
1,4-Dioxane	<200	<250	<250	<250	<250	<5.0	<50		<200	<250	<250	<250	<250	<250	<50	
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<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		<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	NOT SAMPLED per VIRP	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	NOT SAMPLED per VIRP
n-propylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	NA	NA	NA	<5.0	<1.0	
p-Isopropyltoluene	NA	NA	NA	NA	NA	<5.0	<1.0		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		<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		<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		<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	<5.0	<1.0		<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		<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		<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	<5.0	<1.0		<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	
m&p-xylenes	NA	NA	NA	NA	NA	<5.0	<2.0		NA	NA	NA	NA	NA	<5.0	<2.0	
o-xylene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	NA	NA	NA	<5.0	<1.0	
Total Xylenes	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA		<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)																
Total Silver	Metals were not sampled and analyzed								Metals were not sampled and analyzed							
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
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'
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
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
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton
Purge Method/Sample Method	PumpLFLS/ Bailer	PumpLFLS/ Bailer	PumpLFLS/ Bailer/ PDB	PumpLFLS/ Bailer/ PDB	PumpLFLS/ Bailer/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	Pump-LFLS
Constituent									
Volatile Organic Compounds - SW8260B - (µg/L)									
1,1,1,2-Tetrachloroethane	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
1,1,1-Trichloroethane	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
1,1-Dichloroethane	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
1,1-Dichloroethene	<250	<500	<1200	<1200	<1700	<100	**82**	**100**	<200
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<100	<56	<56	<200
1,2,4-Trichlorobenzene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	<100	<56	<56	<200
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	<100	<56	<56	<200
1,4-Dioxane	<10000	<20000	<62000	<62000	<83000	<5000	<2800	<2800	<10000
Chloroform	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
cis-1,2-Dichloroethene	<120	<250	<1200	<1200	<1700	<50	<56	<56	<200
Ethylbenzene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
Hexachlorobutadiene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
n-propylbenzene	NA	NA	NA	NA	NA	<100	<56	<56	<200
p-Isopropyltoluene	NA	NA	NA	NA	NA	<100	<56	<56	<200
Methylene chloride	380 B	<500	<1200	<1200	<1700	<100	<56	<56	<200
Naphthalene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
Tetrachloroethene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
trans-1,2-Dichloroethene	<120	<250	<1200	<1200	<1700	<50	<56	<56	<200
Toluene	<250	<500	<1200	<1200	<1700	<100	<56	<56	<200
Trichloroethene	**8000**	**12000**	**20000**	**19000**	**14000**	**1500**	**1700**	**1700**	**5800**
Vinyl Chloride	<250	<500	<1200	<1200	<670	<40	<56	<56	<200
m&p-xylenes	NA	NA	NA	NA	NA	<100	<110	<110	<400
o-xylene	NA	NA	NA	NA	NA	<100	<56	<56	<200
Total Xylenes	<250	<500	<1200	<1200	<1700	NA	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	<11	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	Re-analyzed MW-19	MW-19	MW-19	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'
Sample Depth (well screen interval) (ft. btoc)	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7	38.7-48.7
Passive Diffusion Bag Sample Depth (ft. btoc)										
Date Sampled	6/3/2010	6/8/2011	1/18/2012	7/11/2012	1/9/2013	7/10/2013	1/8/2014	6/26/2014	1/14/2015	7/8/2015
Laboratory	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
Purge Method/Sample Method	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent										
Volatile Organic Compounds - SW8260B - (µg/L)										
1,1,1,2-Tetrachloroethane	<40	<10	**10**	**12**	<200	<14	**9.2**	**7.1**	<40	<25
1,1,1-Trichloroethane	<40	<10	**7.4**	**6.4**	<200	<14	**7**	**7.3**	<40	<25
1,1-Dichloroethane	<40	<10	<1.0	<1.0	<200	<14	<1.0	<1.0	<40	<25
1,1-Dichloroethene	**72**	**18**	**45**	**37**	<200	**33**	**48.2**	**52.7**	**43.6**	**32.3**
1,2,3-Trichlorobenzene	<40	<10	<1.0	<1.0	<200	<14	<1.0	<1.0	<40	<25
1,2,4-Trichlorobenzene	<40	<10	<1.0	<1.0	<200	<14	<1.0	<1.0	<40	<25
1,2,4-Trimethylbenzene	<40	<10	<1.0	<1.0	<200	<14	<1.0	**2.7**	<40	<25
1,3,5-Trimethylbenzene	<40	<10	<1.0	<1.0	<200	<14	<1.0	**2**	<40	<25
1,4-Dioxane	<2000	NA	<100	<100	<10000	<710	<150	NA	NA	NA
Chloroform	<40	<10	**1.9**	**2.2**	<200	<14	**2.7**	**4.1**	<40	<25
cis-1,2-Dichloroethene	<40	<10	**12**	**13**	<200	**18**	**23.2**	**29**	<40	<25
Ethylbenzene	<40	<10	<1.0	<1.0	<200	<14	<1.0	<1.0	<40	<25
Hexachlorobutadiene	<40	<10	<1.0	<1.0	<200	<14	**2.1**	**1.8**	<40	<25
n-propylbenzene	<40	NA	<1.0	<1.0	<200	<14	<1.0	**2.2**	<40	<25
p-Isopropyltoluene	<40	<10	<1.0	<1.0	<200	<14	<1.0	**2.3**	<40	<25
Methylene chloride	<40	<50	<5.0	<5.0	<200	<14	<2.0	<2.0	<80	**53.3 B**
Naphthalene	<40	<50	<5.0	<5.0	<200	<14	<1.0	<1.0	<40	<25
Tetrachloroethene	<40	<10	**2.3**	**2.3**	<200	<14	**2.1**	**1.7**	<40	<25
trans-1,2-Dichloroethene	<40	<10	<1.0	<1.0	<200	<14	<1.0	<1.0	<40	<25
Toluene	<40	<10	<1.0	<1.0	<200	<14	<1.0	<1.0	<40	<25
Trichloroethene	**5800 E**	**4000**	**5900**	**5100**	**6400**	**5000**	**3360**	**2340**	**3280**	**1760**
Vinyl Chloride	<40	<10	<1.0	<1.0	<200	<14	<1.0	<1.0	<40	<25
m&p-xylenes	<180	<20	<1.0	<1.0	<400	<29	<2.0	**3.5**	<80	<50
o-xylene	<40	<10	<1.0	<1.0	<200	<14	<1.0	**2.7**	<40	<25
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	<40	<20	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10
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-20	MW-20(12:10)	MW-20(15:00)	MW-20(17:30)	MW-20A	MW-20B	MW-20C	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'
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
Passive Diffusion Bag Sample Depth (ft. btoc)					92.6-94.1	97.6-99.1	102.6-104.1		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
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	Test America - North Canton
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
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
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	<10.0
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<10.0
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<10.0
1,4-Dioxane	<200	<200	<200	<200	<360	<360	<250	<500	<500
Chloroform	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
cis-1,2-Dichloroethene	**14**	**12**	**15**	**20**	**40**	**40**	**33**	**52**	**120**
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
n-propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<10.0
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	<10.0
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
Naphthalene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
trans-1,2-Dichloroethene	<2.5	<2.5	<2.5	<2.5	<7.2	<7.2	<5.0	<10.0	<5.0
Toluene	<5.0	**5.7**	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
Vinyl Chloride	<5.0	<5.0	<5.0	<5.0	<2.9	<2.9	<2.0	<4.0	<4.0
m&p-xylenes	NA	NA	NA	NA	NA	NA	NA	NA	<10.0
o-xylene	NA	NA	NA	NA	NA	NA	NA	NA	<10.0
Total Xylenes	<5.0	<5.0	<5.0	<5.0	<7.2	<7.2	<5.0	<10.0	<10.0
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)									
Total Silver									
Dissolved Silver									
Total Cadmium									
Dissolved Cadmium									
Total Chromium									
Dissolved Chromium									
Total Lead	Metals were not sampled and analyzed								
Dissolved Lead									
Total Copper									
Dissolved Copper									
Total Nickel									
Dissolved Nickel									
Total Zinc									
Dissolved Zinc									

Table 2: Summary of Detected Constituents in Groundwater Samples

Sample ID	MW-20	MW-20	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'
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
Passive Diffusion Bag Sample Depth (ft. btoc)	92.6-94.1										
Date Sampled	6/1/2010	6/2/2010	6/9/2011	1/18/2012	7/11/2012	1/10/2013	7/9/2013	1/9/2014	6/25/2014	1/13/2015	7/8/2015
Laboratory	Test America - North Canton	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
Purge Method/Sample Method	no purge/ PDB	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent											
Volatile Organic Compounds - SW8260B - (µg/L)											
1,1,1,2-Tetrachloroethane	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
1,1,1-Trichloroethane	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
1,1-Dichloroethane	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
1,1-Dichloroethene	<5.0	<5.7	**2.0**	**6.3**	**3.6**	<9.1	**4.8**	**5.8**	<1.0	**3.9**	**8.9**
1,2,3-Trichlorobenzene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
1,2,4-Trichlorobenzene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
1,2,4-Trimethylbenzene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
1,3,5-Trimethylbenzene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
1,4-Dioxane	<250	<290	NA	<100	<100	<450	<63	<150	NA	NA	NA
Chloroform	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
cis-1,2-Dichloroethene	**150**	**170**	**210**	**310**	**270**	**320**	**360**	**316**	**10.7**	**316**	**407**
Ethylbenzene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
Hexachlorobutadiene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
n-propylbenzene	<5.0	<5.7	NA	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
p-Isopropyltoluene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
Methylene chloride	<5.0	<5.7	<5.0	<1.0	<1.0	<9.1	<1.3	<2.0	<2.0	<5.0	<2.0
Naphthalene	<5.0	<5.7	<5.0	<5.0	<5.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
Tetrachloroethene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
trans-1,2-Dichloroethene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
Toluene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
Trichloroethene	<5.0	<5.7	**2.0**	<1.0	<1.0	<9.1	<1.3	<1.0	**1**	<2.5	<1.0
Vinyl Chloride	**15**	<5.7	<1.0	**2.0**	**1.8**	<9.1	**1.6**	**2.1**	**1.4**	<2.5	**4.7**
m&p-xylenes	<10.0	<11.0	<2.0	<1.0	<1.0	<18	<2.5	<2.0	<2.0	<5.0	<2.0
o-xylene	<5.0	<5.7	<1.0	<1.0	<1.0	<9.1	<1.3	<1.0	<1.0	<2.5	<1.0
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	<2.0	<2.0	<20	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<12.0
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 & July 2012, January & July 2013, January & June 2014, January&July 2015
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - 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)								
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	
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	<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	
n-propylbenzene	NA	NA	NA	NA	NA	<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	
m&p-xylenes	NA	NA	NA	NA	NA	<5.0	<2.0	
o-xylene	NA	NA	NA	NA	NA	<5.0	<1.0	
Total Xylenes	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)								
Total Silver								
Dissolved Silver								
Total Cadmium								
Dissolved Cadmium								
Total Chromium								
Dissolved Chromium								
Total Lead								
Dissolved Lead								
Total Copper								
Dissolved Copper								
Total Nickel								
Dissolved Nickel								
Total Zinc								
Dissolved Zinc								

NOT SAMPLED per VIRP

Metals were not sampled and analyzed

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	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'	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	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	6/25/2014	1/13/2015	7/9/2015
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	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	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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	<200	<250	<250	<250	<250	<250	<50	NA	<100	<100	NA	NA	NA	<150	<150	<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	<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	<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	<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	<1.0	<1.0	<1.0
n-propylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<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	<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	<5.0	<5.0	<5.0	<2.0	<2.0	<2.0
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	**2.8 B**
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	<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	<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	<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	<1.0	<1.0	**1.2**
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	<1.0	<1.0	<1.0
m&p-xylenes	NA	NA	NA	NA	NA	<5.0	<2.0	<2.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
o-xylene	NA	NA	NA	NA	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Xylenes	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA
Site-Specific Metals - SW6010B - (mg/L)																
Total Silver																
Dissolved Silver																
Total Cadmium																
Dissolved Cadmium																
Total Chromium																
Dissolved Chromium																
Total Lead																
Dissolved Lead																
Total Copper																
Dissolved Copper																
Total Nickel																
Dissolved Nickel																
Total Zinc																
Dissolved Zinc																

Metals were not sampled and analyzed

Table 2: Summary of Detected Constituents in Groundwater Samples

Sample ID	MW-23	MW-23A	MW-23B	MW-23C	MW-23	MW-23	MW-23	MW-23	MW-24	MW-24	MW-24	MW-24	MW-24
Sample Depth (well screen interval) (ft. bgs)	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	91'-106'	136.9'-146.7'	136.9'-146.7'	136.9'-146.7'	136.9'-146.7'	136.9'-146.7'
Sample Depth (well screen interval) (ft. btoc)	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	90.8'-105.8'	136.7'-146.5'	136.7'-146.5'	136.7'-146.5'	136.7'-146.5'	136.7'-146.5'
Passive Diffusion Bag Sample Depth (ft. btoc)		92.1-93.6	97.1-98.6	102.1-103.5	92.1-93.6	92.1-93.6	92.1-93.6				143.3'-144.8'	143.3'-144.8'	
Date Sampled	9/11/2003	5/5/2004	5/5/2004	5/5/2004	10/12/2004	4/7/2008	6/1/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015	10/12/2004	10/28/2004	4/7/2008	6/1/2010	June 2011 January & July 2012, January & July 2013, January & June 2014, January&July 2015
Laboratory	STL North Canton	STL North Canton	STL North Canton	STL North Canton	STL North Canton	Test America - North Canton	Test America - North Canton		STL Savannah	STL North Canton	Test America - North Canton	Test America - North Canton	
Purge Method/Sample Method	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB	no purge/ PDB		PumpLFLS/ Bailer	PumpLFLS/ Bailer	no purge/ PDB	no purge/ PDB	
Constituent													
Volatile Organic Compounds - SW8260B - (µg/L)													
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	<5.0	<1.0	
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<5.0	
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	<5.0	<1.0	
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	<5.0	<1.0	
1,4-Dioxane	<200	<250	<250	<250	<250	<250	<50		NA	<250	<250	<50	
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
cis-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0		<1.0	<5.0	<2.5	<1.0	
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
n-propylbenzene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	<5.0	<1.0	
p-Isopropyltoluene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	<5.0	<1.0	
Methylene chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<5.0	<5.0	<5.0	<1.0	
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
trans-1,2-Dichloroethene	<2.5	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0		<1.0	<5.0	<2.5	<1.0	
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
Trichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0		<1.0	<5.0	<5.0	<1.0	
Vinyl Chloride	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0		<1.0	<2.0	<2.0	<1.0	
m&p-xylenes	NA	NA	NA	NA	NA	<5.0	<2.0		NA	NA	<5.0	<2.0	
o-xylene	NA	NA	NA	NA	NA	<5.0	<1.0		NA	NA	<5.0	<1.0	
Total Xylenes	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA		<1.0	<5.0	NA	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	
Site-Specific Metals - SW6010B - (mg/L)													
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													

NOT SAMPLED per VIRP

Metals were not sampled and analyzed

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	MW-25	MW-25	MW-25	MW-26	MW-26	MW-26
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'	91.8-106.8'	91.8-106.8'	91.8-106.8'	1.0-6.0'	1.0-6.0'	1.0-6.0'
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'	4.9-9.9'	4.9-9.9'	4.9-9.9'
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	6/26/2014	1/14/2015	7/9/2015	10/20/2010	6/9/2011	
Laboratory	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical	AES-Atlanta	Test America - Tampa	January & July 2012, January & July 2013, January & June 2014, January&July 2015
Purge Method/Sample Method	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	
Constituent													
Volatile Organic Compounds - SW8260B - (µg/L)													
1,1,1,2-Tetrachloroethane	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
1,1,1-Trichloroethane	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
1,1-Dichloroethane	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
1,1-Dichloroethene	<83	**20**	**34**	**28**	<130	**27**	**20.9**	**26.1**	<40	**22.8**	<5.0	<1.0	
1,2,3-Trichlorobenzene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	NA	<1.0	
1,2,4-Trichlorobenzene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
1,2,4-Trimethylbenzene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	NA	<1.0	
1,3,5-Trimethylbenzene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	NA	<1.0	
1,4-Dioxane	<4200	NA	<100	<100	<6300	<630	<1500	NA	NA	NA	<150	NA	
Chloroform	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
cis-1,2-Dichloroethene	**820**	**880**	**1000**	**860**	**860**	**840**	**772**	**731**	**732**	**748**	<5.0	<1.0	
Ethylbenzene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
Hexachlorobutadiene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	NA	<1.0	
n-propylbenzene	<83	NA	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	NA	NA	
p-Isopropyltoluene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	NA	<1.0	
Methylene chloride	<83	<100	<1.0	<1.0	<130	<13	<20	<2.0	<80	<20	<5.0	<5.0	
Naphthalene	<83	<100	<5.0	<5.0	<130	<13	<10	<1.0	<40	<10	NA	<5.0	
Tetrachloroethene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
trans-1,2-Dichloroethene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
Toluene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	<5.0	<1.0	
Trichloroethene	**2800**	**3600**	**4700**	**3900**	**4300**	**4500**	**3250**	**1830**	**3280**	**2290**	<5.0	<1.0	
Vinyl Chloride	<83	<20	**36**	**44**	<130	**21**	**21.9**	**46.3**	<40	**23.6**	<2.0	<1.0	
m&p-xylenes	<170	<40	<1.0	<1.0	<250	<25	<20	<2.0	<80	<20	NA	<2.0	
o-xylene	<83	<20	<1.0	<1.0	<130	<13	<10	<1.0	<40	<10	NA	<1.0	
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	<17	<20	<5.0	<5.0	<25	<2.0	<2.0	**3.3**	<2.0	<14	NA	<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													

NOT SAMPLED per VIRP

Table 2: Summary of Detected Constituents in Groundwater Samples

Sample ID	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27
Sample Depth (well screen interval) (ft. bgs)	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'	2.2-7.2'	2.2-7.2'	2.2-7.2'
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'	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	6/25/2014	1/13/2015	7/8/2015
Laboratory	AES-Atlanta	Test America - Tampa	AES-Atlanta		Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
Purge Method/Sample Method	Pump-LFLS	Pump-LFLS	Pump-LFLS		Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent										
Volatile Organic Compounds - SW8260B - (µg/L)										
1,1,1,2-Tetrachloroethane	<5.0	<1.0	<1.0		<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	<1.0	<1.0
1,1-Dichloroethane	0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<5.0	**1.2**	**2.4**		**2.9**	**1.2**	**3.6**	<1.0	**2.2**	**1.2**
1,2,3-Trichlorobenzene	NA	<1.0	<1.0		<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	<1.0	<1.0
1,2,4-Trimethylbenzene	NA	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	NA	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	<150	NA	<100		<50	<50	<150	NA	NA	NA
Chloroform	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**5.2**	**6.6**	**10**		**9.2**	**9.2**	**16.9**	**4.4**	**11.4**	**6.2**
Ethylbenzene	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	NA	<1.0	<1.0	DRY NOT SAMPLED	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-propylbenzene	NA	NA	<1.0		<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	<1.0	<1.0
Methylene chloride	<5.0	<5.0	<1.0		<1.0	<1.0	<2.0	<2.0	<2.0	<2.0
Naphthalene	NA	<5.0	<5.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<5.0	<1.0	<1.0		<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	<1.0	<1.0
Toluene	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	**10**	**15**	**5.8**		**13**	**13**	**16**	**4.1**	**21.5**	**17.0**
Vinyl Chloride	<2.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-xylenes	NA	<2.0	<1.0		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
o-xylene	NA	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Xylenes	<5.0	NA	NA		NA	NA	NA	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	<2.0	<5.0		<2.0	<2.0	<2.0	<2.0	<2.0	<16
Site-Specific Metals - SW6010B - (mg/L)										
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										

Metals were not sampled and analyzed

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	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'	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'	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	6/25/2014	1/13/2015	7/8/2015
Laboratory	AES-Atlanta	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
Purge Method/Sample Method	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS	Pump-LFLS
Constituent										
Volatile Organic Compounds - SW8260B - (µg/L)										
1,1,1,2-Tetrachloroethane	<5.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0
1,1-Dichloroethane	<5.0	<1.0	<1.0	<1.0	<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	**2.4**	**2.7**	**3.6**
1,2,3-Trichlorobenzene	NA	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	<150	NA	<100	<100	<50	<50	<150	NA	NA	NA
Chloroform	<5.0	<1.0	<1.0	<1.0	<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**	**18.7**	**20.1**	**23.5**
Ethylbenzene	<5.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0
n-propylbenzene	NA	NA	<1.0	<1.0	<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	<1.0	<1.0	<1.0
Methylene chloride	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0
Naphthalene	NA	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<5.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0
Toluene	<5.0	<1.0	<1.0	<1.0	<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**	**3.6**	**5.2**	**5.5**
Vinyl Chloride	<2.0	**1.0**	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**
m&p-xylenes	NA	<2.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
o-xylene	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Xylenes	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane - Selective Ion Monitoring SW8260B (ug/L)	NA	<2.0	<5.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<18
Site-Specific Metals - SW6010B - (mg/L)										
Total Silver										
Dissolved Silver										
Total Cadmium										
Dissolved Cadmium										
Total Chromium										
Dissolved Chromium										
Total Lead	Metals were not sampled and analyzed									
Dissolved Lead										
Total Copper										
Dissolved Copper										
Total Nickel										
Dissolved Nickel										
Total Zinc										
Dissolved Zinc										

Notes:

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

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
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	Test America - North Canton	Test America - North Canton
CONSTITUENT (µg/L)															
1,1,1-Trichloroethane	not established	<5.0	<5.0	<5.0	**200**	**160**	**170**	**290**	**15**	**39**	**300**	**1900**	**320**	**8.4**	
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	
1,1-Dichloroethene	7100	<5.0	<5.0	<5.0	**69**	**50**	**52**	**97**	**12**	**24**	<250	**1000**	**210**	**11**	
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	
1,4-Dioxane	not established	<250	<250	NA	<250	<830	NA	<1200	<200	<330	<12000	<31000	<9600	<250	
Bromomethane	1500	<5.0	<10.0	<5.0	<5.0	<10.0	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<10.0	
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	
Chloroform	470	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<5.0	
cis-1,2-Dichloroethene	not established	<5.0	<2.5	<5.0	**36**	**30**	**27**	**59**	**36**	**61**	<250	<620	<190	**89**	DRY
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
p-Isopropyltoluene	not established	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	NA	NA	NA	NA	NA	<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	
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	
Trichloroethene	30	<5.0	<5.0	<5.0	**490**	**460**	**440**	**720**	**120**	**210**	**1300**	**4400**	**930**	**310**	
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	
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		**Manson Branch #2 (MB#2)**												
Sample Location		**Seep in a Draw Down Slope of Thermo King plant building**												
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**6/2/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**	**1/9/2014**	**6/24/2014**	**1/14/2015**	**7/9/2015**
Laboratory		**Test America - North Canton**	**Test America - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**Test America - North Canton**	**Test America - North Canton**	**Test America - North Canton**	**Pace Analytical**	**Pace Analytical**	**Pace Analytical**	**Pace Analytical**
CONSTITUENT (µg/L)														
1,1,1-Trichloroethane	not established	**61**	**21**	**13**	<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	<50	**1.2**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	**160**	**50**	**53**	**7.3**	**1.4**	**20**	**17**	**14**	**1.3**	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<50	**1.5**	**1.5**	**2.5**	**4.4**	**6.9**	**8.2**	**8.7**	**3.1**	**2.4**	**4.7**	**3.2**	**2.2**
1,4-Dioxane	not established	<2500	NA	<100	<100	<100	NA	<250	<50	<50	<150	<150	<150	<150
Bromomethane	1500	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<2.0	**2**	<2.0	<2.0
Chloroethane	not established	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**3.8**	**1.3**	<1.0	**1.8**	<1.0	<1.0
Chloroform	470	<50	**1.5**	**1.3**	<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	**180**	**70**	**85**	**95**	**46**	**170**	**170**	**130**	**18**	**6.5**	**12.2**	**3.8**	**3.3**
Ethylbenzene	2100	<50	<1.0	<1.0	**4.6**	**13**	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	<50	<1.0	<1.0	**5.0**	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	5980	<50	**2.5**	<1.0	**180**	**22**	<1.0	<5.0	<1.0	<1.0	<1.0	**5.1**	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<50	<1.0	<1.0	<1.0	**2.3**	**2.2**	<5.0	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	**1700**	**280**	**340**	**16**	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	2.4	<50	**2.5**	**2.5**	**20**	**9.3**	**84**	**71**	**81**	**21**	**13.8**	**31**	**15**	**12.4**
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	<20	NA	NA	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		**Manson Branch #3 (MB#3)**									
Sample Location		**Surface water in Manson Branch located 500 ft downstream of Hwy 24**									
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**6/7/2000**	**6/7/2011**	**1/17/2012**	**7/10/2012**	**1/8/2013**	**7/10/2013**	**1/9/2014**	**6/24/2014**	**1/14/2015**	**7/10/2015**
Laboratory		**STL- North Canton**	**TestAmerica - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**Test America - North Canton**	**Test America - North Canton**	**Pace Analytical**	**Pace Analytical**	**Pace Analytical**	**Pace Analytical**
CONSTITUENT (µg/L)											
1,1,1-Trichloroethane	not established	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<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	NA	<100	<100	<50	<50	<150	<150	<150	<150
Bromomethane	1500	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0
Chloroethane	not established	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	470	<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	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	2100	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	5980	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	2.4	<5.0	<1.0	<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	<2.0	NA	NA	NA	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
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
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	6/24/2014	1/14/2015	7/10/2015	6/7/2000
Laboratory		STL- North Canton	STL- North Canton	TestAmerica - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical	STL- 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	<1.0	<1.0	<1.0	<5.0
1,1,2-Trichloroethane	16	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0	<5.0
1,1-Dichloroethane	not established	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,4-Dioxane	not established	<250	<250	NA	<100	<100	<50	<50	<150	<150	<150	<150	<250
Bromomethane	1500	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10.0
Chloroethane	not established	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
Chloroform	470	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0	<2.5
Ethylbenzene	2100	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
p-Isopropyltoluene	not established	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Toluene	5980	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
trans-1,2-Dichloroethene	10000	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5
Trichloroethene	30	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Vinyl Chloride	2.4	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		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 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	6/6/2000	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	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton
CONSTITUENT (µg/L)										
1,1,1-Trichloroethane	not established	<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	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0
1,1-Dichloroethene	7100	<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	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<5.0
1,4-Dioxane	not established	<250	<250	<250	<250	<250	<250	<200	<250	<250
Bromomethane	1500	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<1.0	<10.0	<10.0
Chloroethane	not established	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<1.0	<10.0	<10.0
Chloroform	470	<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	<2.5	<2.5	<2.5	<2.5	<0.50	<2.5	<2.5
Ethylbenzene	2100	<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	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0
Toluene	5980	<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	<2.5	<2.5	<2.5	<2.5	<0.50	<2.5	<2.5
Trichloroethene	30	<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	<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	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)											
Sample Location		Surface water in Manson Branch located about 450 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	6/24/2014	1/14/2015	7/10/2015
Laboratory		STL- North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	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	<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	<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	<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	<1.0	<1.0
1,4-Dioxane	not established	<200	<250	<250	NA	<100	<100	<50	<50	<150	<150	<150	<150
Bromomethane	1500	<1.0	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0
Chloroethane	not established	<1.0	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<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	<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	<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	<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	<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	<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	<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	<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	<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

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		Manson Branch #16 (MB#16)											
Sample Location		Surface water in Manson Branch located about 700 ft downstream of Hwy 24 bridge, opposite side of stream from wells MW-16/MW-18											
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	6/27/2014	1/14/2015	7/10/2015
Laboratory		STL- North Canton	Test America - North Canton	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical		Pace Analytical	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
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
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<1.0	<1.0		<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
1,4-Dioxane	not established	<200	<250	<250	NA	<100		<50	<50	<150		<150	<150
Bromomethane	1500	<1.0	<10.0	<10.0	<5.0	<5.0		<1.0	<1.0	<2.0		<2.0	<2.0
Chloroethane	not established	<1.0	<10.0	<10.0	<5.0	<5.0		<1.0	<1.0	<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
cis-1,2-Dichloroethene	not established	<0.50	<2.5	<2.5	<1.0	<1.0	DRY	<1.0	<1.0	<1.0	DRY	<1.0	<1.0
Ethylbenzene	2100	<1.0	<5.0	<5.0	<1.0	<1.0	Not Sampled	<1.0	<1.0	<1.0	Not Sampled	<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	<1.0
Toluene	5980	<1.0	<5.0	<5.0	<1.0	<1.0		<1.0	<1.0	<1.0		<1.0	<1.0
trans-1,2-Dichloroethene	10000	<0.50	<2.5	<2.5	<1.0	<1.0		<1.0	<1.0	<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
Vinyl Chloride	2.4	<1.0	<2.0	<2.0	<1.0	<1.0		<1.0	<1.0	<1.0		<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	<2.0	NA		NA	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
Laboratory		STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	AES-Atlanta
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
1,1,2-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
1,1-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
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
1,4-Dioxane	not established	<250	<250	<200	<250	<250	<250	<250	<250	<250	NA	<100	<100	<100
Bromomethane	1500	<10.0	<10.0	<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0
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
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
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**
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
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
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**
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
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**
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
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	NA	<5.0

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)	11/19/2012	1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/24/2014	1/14/2015	7/9/2015
Laboratory		AES-Atlanta	TestAmerica - NorthCanton	TestAmerica - NorthCanton	TestAmerica - NorthCanton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
CONSTITUENT (µg/L)									
1,1,1-Trichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	16	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	**3.7**	**4.6**	**3.1**	**1.2**	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	not established	NA	<50	<50	<50	<150	<150	<150	<150
Bromomethane	1500	<5.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0
Chloroethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	470	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	not established	**23**	**21**	**18**	**11**	**3**	**7.1**	**3.9**	**13.4**
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	5980	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	10000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	30	**23**	**26**	**13**	**4.5**	**2.5**	**1.7**	**6.1**	**1.0**
Vinyl Chloride	2.4	<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	<5.0	NA	NA	NA	NA	NA	NA	NA

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		Seep A						
Sample Location		Northeast CornerThermo King Eastern Parcel						
Sample Date	Georgia Instream Water Quality Criteria (µg/L)	1/15/2003	3/24/2004	6/23/2004	8/31/2004	11/17/2004	2/26/2008	4/21/2010
Laboratory		STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton
CONSTITUENT (µg/L)								
1,1,1-Trichloroethane	not established	<1.0		<5.0	<5.0		<5.0	
1,1,2-Trichloroethane	16	<1.0		<5.0	<5.0		<5.0	
1,1-Dichloroethene	7100	<1.0		<5.0	<5.0		<5.0	
1,1-Dichloroethane	not established	<1.0		<5.0	<5.0		<5.0	
1,4-Dioxane	not established	<200		<250	<250		<250	
Bromomethane	1500	<1.0		<5.0	<5.0		<10.0	
Chloroethane	not established	<1.0		<5.0	<5.0		<10.0	
Chloroform	470	<1.0		<5.0	<5.0		<5.0	
cis-1,2-Dichloroethene	not established	<0.50	DRY	<5.0	<5.0	DRY	<2.5	DRY
Ethylbenzene	2100	<1.0	Not Sampled	<5.0	<5.0	Not Sampled	<5.0	Not Sampled
p-Isopropyltoluene	not established	NA		NA	NA		<5.0	
Toluene	5980	<1.0		<5.0	<5.0		<5.0	
trans-1,2-Dichloroethene	10000	<0.50		<5.0	<5.0		<2.5	
Trichloroethene	30	<1.0		<5.0	<5.0		<5.0	
Vinyl Chloride	2.4	<1.0		<2.0	<2.0		<2.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA		NA	NA		NA	

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		**Seep B**											
Sample Location		**Thermo King Eastern Parcel**											
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/30/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**	**6/3/2010**	**June 2011**	**1/17/2012**	**7/10/2012**	**8/7/2012**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**Test America - North Canton**	**Test America - North Canton**	**Test America - North Canton**	**Test America - Tampa**	**AES-Atlanta**	**AES- Atlanta**	**AES- Atlanta**
CONSTITUENT (µg/L)													
1,1,1-Trichloroethane	not established	<1.0	<5.0	<5.0	<5.0	**10**	<5.0				<1.0		
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0		
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0		
1,1-Dichloroethane	not established	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0		
1,4-Dioxane	not established	<200	<250	<250	<250	<420	<250				<100		
Bromomethane	1500	<1.0	<5.0	<5.0	<5.0	<8.4	<10.0				<5.0		
Chloroethane	not established	<1.0	<5.0	<5.0	<5.0	<8.4	<10.0				<5.0		
Chloroform	470	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0		
cis-1,2-Dichloroethene	not established	<0.50	<5.0	<5.0	<5.0	**16**	<2.5	DRY	DRY	DRY	<1.0	DRY	DRY
Ethylbenzene	2100	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0	Not Sampled	Not Sampled	Not Sampled	<1.0	Not Sampled	Not Sampled
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<5.0				<1.0		
Toluene	5980	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0		
trans-1,2-Dichloroethene	10000	<0.50	<5.0	<5.0	<5.0	<8.4	<2.5				<1.0		
Trichloroethene	30	<1.0	<5.0	<5.0	<5.0	**41**	<5.0				**2.9**		
Vinyl Chloride	2.4	<1.0	<2.0	<2.0	<2.0	<3.3	<2.0				<1.0		
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA				NA		

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		**Seep B**							
Sample Location		**Thermo King Eastern Parcel**							
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**11/19/2012**	**1/8/2013**	**4/11/2013**	**7/10/2013**	**1/9/2014**	**6/24/2014**	**1/14/2015**	**7/9/2015**
Laboratory		**AES- Atlanta**	**Test America - North Canton**	**Test America - North Canton**	**Test America - North Canton**	**Pace Analytical**		**Pace Analytical**	**Pace Analytical**
CONSTITUENT (µg/L)									
1,1,1-Trichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
1,1,2-Trichloroethane	16	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
1,1-Dichloroethene	7100	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
1,1-Dichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
1,4-Dioxane	not established	NA	<50	<50	<50	<150		<150	
Bromomethane	1500	<5.0	<1.0	<1.0	<1.0	<1.0		<1.0	
Chloroethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0		<1.0	
Chloroform	470	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
cis-1,2-Dichloroethene	not established	<1.0	<1.0	**27**	**5.2**	**3**	DRY	**9.3**	DRY
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<1.0	Not Sampled	<1.0	Not Sampled
p-Isopropyltoluene	not established	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
Toluene	5980	<1.0	<1.0	**12**	**1.5**	<1.0		<1.0	
trans-1,2-Dichloroethene	10000	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
Trichloroethene	30	<1.0	<1.0	**6.3**	**1.2**	**1.4**		**2**	
Vinyl Chloride	2.4	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	<5.0	NA	NA	NA	NA		NA	

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		**Seep C**											
Sample Location		**Thermo King Eastern Parcel, down slope of the draw**											
Sample Date	**Georgia Instream Water Quality Criteria (µg/L)**	**1/15/2003**	**3/24/2004**	**6/23/2004**	**8/31/2004**	**11/17/2004**	**2/27/2008**	**4/21/2010**	**6/2/2010**	**6/7/2011**	**1/17/2012**	**7/10/2012 (not sampled at Seep C**	**8/7/2012**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**Test America - North Canton**	**Test America - North Canton**	**Test America - North Canton**	**Test America - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**
CONSTITUENT (µg/L)													
1,1,1-Trichloroethane	not established	**120**	<140	<5.0	**380**	**380**	**49**	**28**	NA	**32**	**32**	<1.0	
1,1,2-Trichloroethane	16	<25	<140	<5.0	<310	<190	<10.0	<12	NA	**1.0**	<1.0	<1.0	
1,1-Dichloroethene	7100	**110**	<140	<5.0	<310	**240**	**99**	**64**	NA	**87**	**140**	**1.8**	Seep C
1,1-Dichloroethane	not established	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	**4.0**	**7.3**	covered
1,4-Dioxane	not established	<1200	<7100	<250	<16000	<9600	<500	<620	NA	NA	<100	<100	with
Bromomethane	1500	<1.0	<140	<5.0	<310	<190	<20.0	<25	NA	<5.0	<5.0	<5.0	rip-rap
Chloroethane	not established	<25	<140	<5.0	<310	<190	<20.0	<25	NA	<5.0	<5.0	<5.0	and is no
Chloroform	470	<25	<140	<5.0	<310	<190	<10.0	<12	NA	**2.3**	**2.5**	<1.0	longer
cis-1,2-Dichloroethene	not established	**13**	<140	<5.0	<310	<190	**11**	**12**	NA	**19**	**130**	**32**	sampled
Ethylbenzene	2100	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	<1.0	**25**	
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<10.0	<12	NA	<1.0	<1.0	<1.0	
Toluene	5980	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	<1.0	**180**	
trans-1,2-Dichloroethene	10000	<12	<140	<5.0	<310	<190	<5.0	<12	NA	<1.0	<1.0	<1.0	
Trichloroethene	30	**840**	**720**	<5.0	**1300**	**1000**	**670**	**500**	NA	**530**	**880**	<1.0	
Vinyl Chloride	2.4	<25	<57	<2.0	<120	<77	<10.0	<12	NA	<1.0	**11**	**14**	
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	<5.0	<20	NA	NA	

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		Seep D						
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	2/27/2008	4/21/2010
Laboratory		STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America North Canton
CONSTITUENT (µg/L)								
1,1,1-Trichloroethane	not established	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane	not established	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dioxane	not established	<200	<250	<250	<250	<250	<250	<250
Bromomethane	1500	<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0
Chloroethane	not established	<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0
Chloroform	470	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	not established	<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5
Ethylbenzene	2100	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<5.0	<5.0
Toluene	5980	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	10000	<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5
Trichloroethene	30	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	2.4	<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

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
Laboratory		STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	AES-Atlanta	AES-Atlanta
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
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		**1.9**	**5.2**	<1.0	<1.0
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
1,4-Dioxane	not established	<200	<250	<250	<360	<250	<250	<250		<100	<100	<100	NA
Bromomethane	1500	<1.0	<5.0	<5.0	<7.2	<5.0	<10.0	<10.0		<5.0	<5.0	<5.0	<5.0
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
Chloroform	470	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<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**
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
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<5.0	<5.0		<1.0	<1.0	<1.0	**2.6**
Toluene	5980	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	**6.4**	**2.4**	<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
Trichloroethene	30	<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	**7.8**		**2.6**	<1.0	<1.0	**3.8**
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
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA		NA	NA	<5.0	<5.0

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		Seep G							Seep H						
Sample Location		Thermo King Eastern Parcel							Thermo King Eastern Parcel						
Sample Date	Georgia Instream Water Quality Criteria (µg/L)	1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/24/2014	1/14/2015	7/9/2015	1/15/2003	3/24/2004	6/23/2004	8/31/2004	11/17/2004	2/26/2008	4/21/2010
Laboratory		Test America - North Canton	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton
CONSTITUENT (µg/L)															
1,1,1-Trichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	16	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	7100	**2.2**	**1.7**	<1.0	<1.0	**1.6**	**1.5**	**2.4**	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	**6.0**
1,1-Dichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0
1,4-Dioxane	not established	<50	<50	<50	<150	<150	<150	<150	<200	<250	<420	<250	<250	<250	<250
Bromomethane	1500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<10.0	<10.0
Chloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<10.0	<10.0
Chloroform	470	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	not established	**11**	**9.7**	**6.4**	**3.2**	**11**	**9.6**	**20.2**	**6.9**	**12**	**30**	**13**	**27**	<2.5	**26**
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0
p-Isopropyltoluene	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	<5.0	<5.0
Toluene	5980	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	10000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<8.4	<5.0	<5.0	<2.5	<2.5
Trichloroethene	30	**4.8**	**7.0**	<1.0	<1.0	<1.0	**2.4**	<1.0	**24**	**15**	<8.4	<5.0	**7.1**	**5.1**	**38**
Vinyl Chloride	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<3.3	<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	NA	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)**	**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**	**6/24/2014**	**1/14/2015**	**7/9/2015**
Laboratory		**Test America - North Canton**	**Test America - Tampa**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**AES-Atlanta**	**Test America - North Canton**	**Test America - North Canton**	**Test America - North Canton**	**Pace Analytical**	**Pace Analytical**	**Pace Analytical**	**Pace Analytical**
CONSTITUENT (µg/L)														
1,1,1-Trichloroethane	not established	<2.0		<1.0	<1.0	**15**	**20**	<20	**12**	**9.6**	**4**	**3.5**	**3.1**	**1.4**
1,1,2-Trichloroethane	16	<2.0		<1.0	<1.0	<1.0	<1.0	<20	<2.5	<1.7	<1.0	<1.0	<2.0	<1.0
1,1-Dichloroethene	7100	**12**		**2.3**	**6.7**	**69**	**140**	**84**	**77**	**58**	**29.1**	**27.9**	**25.8**	**21.2**
1,1-Dichloroethane	not established	<2.0		<1.0	**2.0**	**1.1**	<1.0	<20	<2.5	<1.7	<1.0	<1.0	<2.0	<1.0
1,4-Dioxane	not established	<100		<100	<100	<100	NA	<1000	<130	<84	<150	<150	<300	<150
Bromomethane	1500	<2.0		<5.0	<5.0	<5.0	<5.0	<20	<2.5	<1.7	<2.0	<2.0	<4.0	**3.4**
Chloroethane	not established	<2.0		<5.0	<5.0	<5.0	<5.0	<20	<2.5	<1.7	<1.0	<1.0	<2.0	<1.0
Chloroform	470	<2.0		<1.0	<1.0	**2.6**	**2.3**	<20	<2.5	<1.7	<1.0	<1.0	<2.0	<1.0
cis-1,2-Dichloroethene	not established	**63**	DRY	**16**	**110**	**120**	**64**	**47**	**45**	**64**	**22.3**	**45.2**	**33.8**	**75.9**
Ethylbenzene	2100	<2.0	Not Sampled	<1.0	<1.0	<1.0	<1.0	<20	<2.5	<1.7	<1.0	<1.0	<2.0	<1.0
p-Isopropyltoluene	not established	<2.0		<1.0	<1.0	<1.0	<1.0	<20	<2.5	<1.7	<1.0	<1.0	<2.0	<1.0
Toluene	5980	<2.0		<1.0	**170**	**19**	**1.6**	<20	<2.5	**1.8**	<1.0	<1.0	<2.0	<1.0
trans-1,2-Dichloroethene	10000	<2.0		<1.0	**3.8**	<1.0	<1.0	<20	<2.5	<1.7	<1.0	<1.0	<2.0	<1.0
Trichloroethene	30	**41**		**2.0**	<1.0	**800**	**550**	**610**	**530**	**490**	**180**	**185**	**359**	**157**
Vinyl Chloride	2.4	<2.0		<1.0	**31**	<1.0	<1.0	<20	<2.5	<1.7	<1.0	<1.0	<2.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA		NA	NA	<5.0	<5.0	NA	NA	NA	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**
Laboratory		**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**STL- North Canton**	**Test America - North Canton**	**Test America - North Canton**	**Test America - Tampa**	**AES-Atlanta**	**AES-Atlanta**	
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**	
1,1,2-Trichloroethane	16	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	<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**	
1,1-Dichloroethane	not established	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	**1.9**	<1.0	<1.0	
1,4-Dioxane	not established	<200	<250	<250		<250	<250	<250	NA	<100	<100	
Bromomethane	1500	<1.0	<5.0	<5.0		<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	
Chloroethane	not established	<1.0	<5.0	<5.0		<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	
Chloroform	470	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	<1.0	<1.0	**2.2**	
cis-1,2-Dichloroethene	not established	<0.50	<5.0	<5.0	DRY	<5.0	<2.5	<2.5	**64**	<1.0	**68**	DRY
Ethylbenzene	2100	<1.0	<5.0	<5.0	not sampled	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	not sampled
p-Isopropyltoluene	not established	NA	NA	NA		NA	<5.0	<5.0	**1.4**	<1.0	<1.0	
Toluene	5980	<1.0	<5.0	<5.0		<5.0	<5.0	<5.0	**2.3**	<1.0	**17**	
trans-1,2-Dichloroethene	10000	<0.50	<5.0	<5.0		<5.0	<2.5	<2.5	<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**	
Vinyl Chloride	2.4	<1.0	<2.0	<2.0		<2.0	<2.0	<2.0	<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	

Table 3: Summary of Detected Constituents in Seeps and Surface Water

Sample Identification		Seep I								Seep J						
Sample Location		Thermo King Eastern Parcel								Thermo King Eastern Parcel						
Sample Date	Georgia Instream Water Quality Criteria (µg/L)	11/19/2012	1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/27/2014	1/14/2015	7/9/2015	5/14/2003	3/24/2004	6/23/2004	8/31/2004	11/17/2004	2/26/2008	4/22/2010
Laboratory		AES-Atlanta	Test America - North Canton	Test America - North Canton	Test America - North Canton	Pace Analytical		Pace Analytical	Pace Analytical	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton
CONSTITUENT (µg/L)																
1,1,1-Trichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		<25	<5.0	<12.0	<33	<25	<5.0	<5.0
1,1,2-Trichloroethane	16	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		<25	<5.0	<12.0	<33	<25	<5.0	<5.0
1,1-Dichloroethene	7100	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		<25	<5.0	<12.0	<33	<25	<5.0	<5.0
1,1-Dichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		<25	<5.0	<12.0	<33	<25	<5.0	<5.0
1,4-Dioxane	not established	NA	<50	<50	<50	<150		<150		<1000	<250	<620	<1700	<1200	<250	<250
Bromomethane	1500	<5.0	<1.0	<1.0	<1.0	<2.0		<2.0		<25	<5.0	<12.0	<33	<25	<10.0	<10.0
Chloroethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0		<1.0		<25	<5.0	<12.0	<33	<25	<10.0	<10.0
Chloroform	470	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		<25	<5.0	<12.0	<33	<25	<5.0	<5.0
cis-1,2-Dichloroethene	not established	<1.0	<1.0	<1.0	**1.3**	<1.0	DRY	<1.0	DRY	**910**	**84**	**66**	**190**	**110**	<2.5	<2.5
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<1.0	not sampled	<1.0	not sampled	<25	<5.0	<12.0	<33	<25	<5.0	<5.0
p-Isopropyltoluene	not established	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		NA	NA	NA	NA	NA	<5.0	<5.0
Toluene	5980	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		**280**	<5.0	<12.0	<33	<25	<5.0	<5.0
trans-1,2-Dichloroethene	10000	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		**13**	<5.0	<12.0	<33	<25	<2.5	<2.5
Trichloroethene	30	<1.0	<1.0	**4.2**	**1.9**	<1.0		<1.0		<25	<5.0	<12.0	<33	<25	<5.0	<5.0
Vinyl Chloride	2.4	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		<25	**26**	<5.0	<13	**11**	<2.0	<2.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	<5.0	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 K					
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	2/26/2008	4/22/2010
Laboratory		STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton
CONSTITUENT (µg/L)							
1,1,1-Trichloroethane	not established	<5.0	<5.0	<20	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	16	<5.0	<5.0	<20	<5.0	<5.0	<5.0
1,1-Dichloroethene	7100	<5.0	<5.0	<20	<5.0	<5.0	<5.0
1,1-Dichloroethane	not established	<5.0	<5.0	<20	<5.0	<5.0	<5.0
1,4-Dioxane	not established	<250	<250	<1000	<250	<250	<250
Bromomethane	1500	<5.0	<5.0	<20	<5.0	<10.0	<10.0
Chloroethane	not established	<5.0	<5.0	<20	<5.0	<10.0	<10.0
Chloroform	470	<5.0	<5.0	<20	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	not established	**10**	<5.0	**85**	<5.0	**12**	**5.3**
Ethylbenzene	2100	<5.0	<5.0	<20	<5.0	<5.0	<5.0
p-Isopropyltoluene	not established	NA	NA	NA	NA	<5.0	<5.0
Toluene	5980	<5.0	<5.0	<20	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	10000	<5.0	<5.0	<20	<5.0	<2.5	<2.5
Trichloroethene	30	<5.0	<5.0	<20	<5.0	**13**	**5.8**
Vinyl Chloride	2.4	<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

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
Laboratory		STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton	Test America - North Canton	Test America - Tampa	AES- Atlanta	AES- Atlanta	AES- Atlanta
CONSTITUENT (µg/L)												
1,1,1-Trichloroethane	not established	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0		
1,1,2-Trichloroethane	16	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0		
1,1-Dichloroethene	7100	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0		
1,1-Dichloroethane	not established	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0		
1,4-Dioxane	not established	<250	<250	<250	<250	<250		<50		<100		
Bromomethane	1500	<5.0	<5.0	<5.0	<5.0	<10.0		<1.0		<5.0		
Chloroethane	not established	<5.0	<5.0	<5.0	<5.0	<10.0		<1.0		<5.0		
Chloroform	470	<5.0	<5.0	<5.0	<5.0	<5.0		<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
Ethylbenzene	2100	<5.0	<5.0	<5.0	<5.0	<5.0	not sampled	<1.0	not sampled	<1.0	not sampled	not sampled
p-Isopropyltoluene	not established	NA	NA	NA	NA	<5.0		<1.0		<1.0		
Toluene	5980	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0		
trans-1,2-Dichloroethene	10000	<5.0	<5.0	<5.0	<5.0	<2.5		<1.0		<1.0		
Trichloroethene	30	<5.0	<5.0	<5.0	<5.0	<5.0		<1.0		<1.0		
Vinyl Chloride	2.4	<2.0	<2.0	<2.0	<2.0	<2.0		<1.0		<1.0		
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	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)	11/19/2012	1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/24/2014	1/14/2015	7/9/2015
Laboratory		AES- Atlanta	Test America - North Canton	Test America - North Canton	Test America - North Canton	Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
CONSTITUENT (µg/L)									
1,1,1-Trichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,2-Trichloroethane	16	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethene	7100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,4-Dioxane	not established	NA	<50	<50	<50	<150	<150	<150	
Bromomethane	1500	<5.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	
Chloroethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloroform	470	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
cis-1,2-Dichloroethene	not established	**2.0**	**5.9**	**4.6**	<1.0	<1.0	<1.0	**2.4**	DRY
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	not sampled
p-Isopropyltoluene	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Toluene	5980	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,2-Dichloroethene	10000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	
Vinyl Chloride	2.4	<1.0	**1.3**	**2.1**	<1.0	<1.0	<1.0	<1.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	<5.0	NA	NA	<1.0	NA	NA	NA	

Notes:

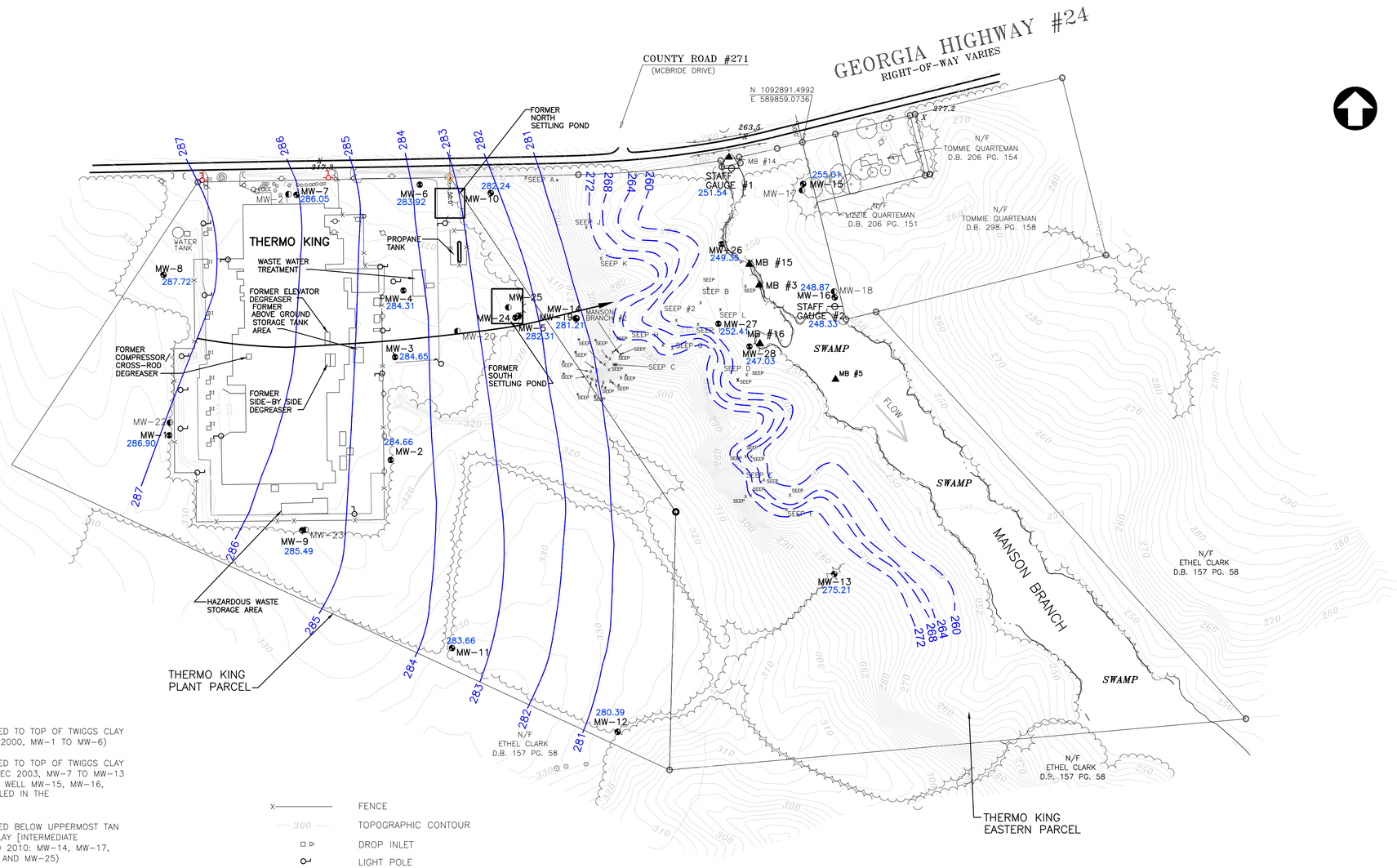
µg/L	micrograms per liter
Hwy	Highway
NA	Sample not analyzed for this constituent
E	Estimated; result exceeds calibration range
(a)	Georgia 391-3-6-.03 Water Use Classifications and Water Quality Standards. (ISWQC) 10/22/2013
	Exceeds Georgia ISWQC
BOLD	**Detected Concentration**

Prepared by/Date: MHA 7/30/2015
Checked by/Date: RNQ 8/13/2015

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	1/01/2015 through 3/20/2015	H081001967 4/09/2015	Conducted first semi-annual 2015 groundwater, seep, and surface water sampling event, communications with laboratory, general project management, preparation and submittal of VRP Status Report No.8
Total Project Hours for Billing Period	152.8			
Gregory J. Wrenn, P.E.	4	2/21/2015 through 3/20/2015	H081001969 4/10/2015	Preparation of final version of Environmental Covenant and coordinated Thermo King signature and certification. Prepared soil management plan and slab management plans for future property use. General project management associated with real estate activities.
Total Project Hours for Billing Period	14.5			
Gregory J. Wrenn, P.E.	3.5	3/21/2015 through 4/17/2015	H081002006 4/23/2015	Revision of soil management plan and slab management plans, reviewed Thermo King's real estate transaction plan.
Total Project Hours for Billing Period	11			
Gregory J. Wrenn, P.E.	0	3/21/2015 through 4/17/2015	H081002019 4/27/2015	Preparation of updated financial assurance, communications with Thermo King, and general project management.
Total Project Hours for Billing Period	8.6			
Gregory J. Wrenn, P.E.	4.5	4/18/2015 through 5/22/2015	H081002113 5/29/2015	Communications with EPD regarding Environmental Covenant. Preparation of a updated Environmental Covenant to include language language for vapor intrusion exposure to more explicitly require re-assessing and mitigation of vapor intrusion exposure if the property is re-developed or the building floor slab is removed. Communications with Thermo King and general project management for covenant and real estate activities.
Total Project Hours for Billing Period	32.7			
Gregory J. Wrenn, P.E.	2.5	4/18/2015 through 6/19/2015	H081002181 6/30/2015	Revision and submittal of annual VRP financial assurance letter and cost estimate. Communications and general project management for Thermo King requested VRP activities.
Total Project Hours for Billing Period	15.6			
Gregory J. Wrenn, P.E.	1	6/20/2015 through 7/24/2015	H081002287 8/5/2015	Coordinating and conducting second 2015 semi-annual groundwater, seep and surface water sampling and analysis event. Communications with laboratory and general project management for VRP activities. Review of field data.
Total Project Hours for Billing Period	107.8			
Gregory J. Wrenn, P.E.	0	5/23/2015 through 8/21/2015	H081002342 8/31/2015	Communications with EPD regarding Environmental Covenant. Updated Environmental Covenant for vapor intrusion exposure and submitted to Thermo King for re-signing and general project management.
Total Project Hours for Billing Period	6			
Total Hours for PE Gregory J. Wrenn	**21.5**			
Total Project Hours	**349**			

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 AND 2010: 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)
SEEP 292.9	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
	FENCE
300	TOPOGRAPHIC CONTOUR
DI	DROP INLET
	LIGHT POLE
	PROPERTY BOUNDARY
286.90	GROUND-WATER ELEVATION IN FEET, NAVD 1988 (JULY 7, 2015)
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

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

DESIGNED	M. ANDREWS
DRAWN	T. GLADSTONE
CHECKED	R. QUINN
IN CHARGE	D. ALCOTT
DATE	7/27/2015

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

AMEC FOSTER WHEELER
ENVIRONMENT & INFRASTRUCTURE, INC.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

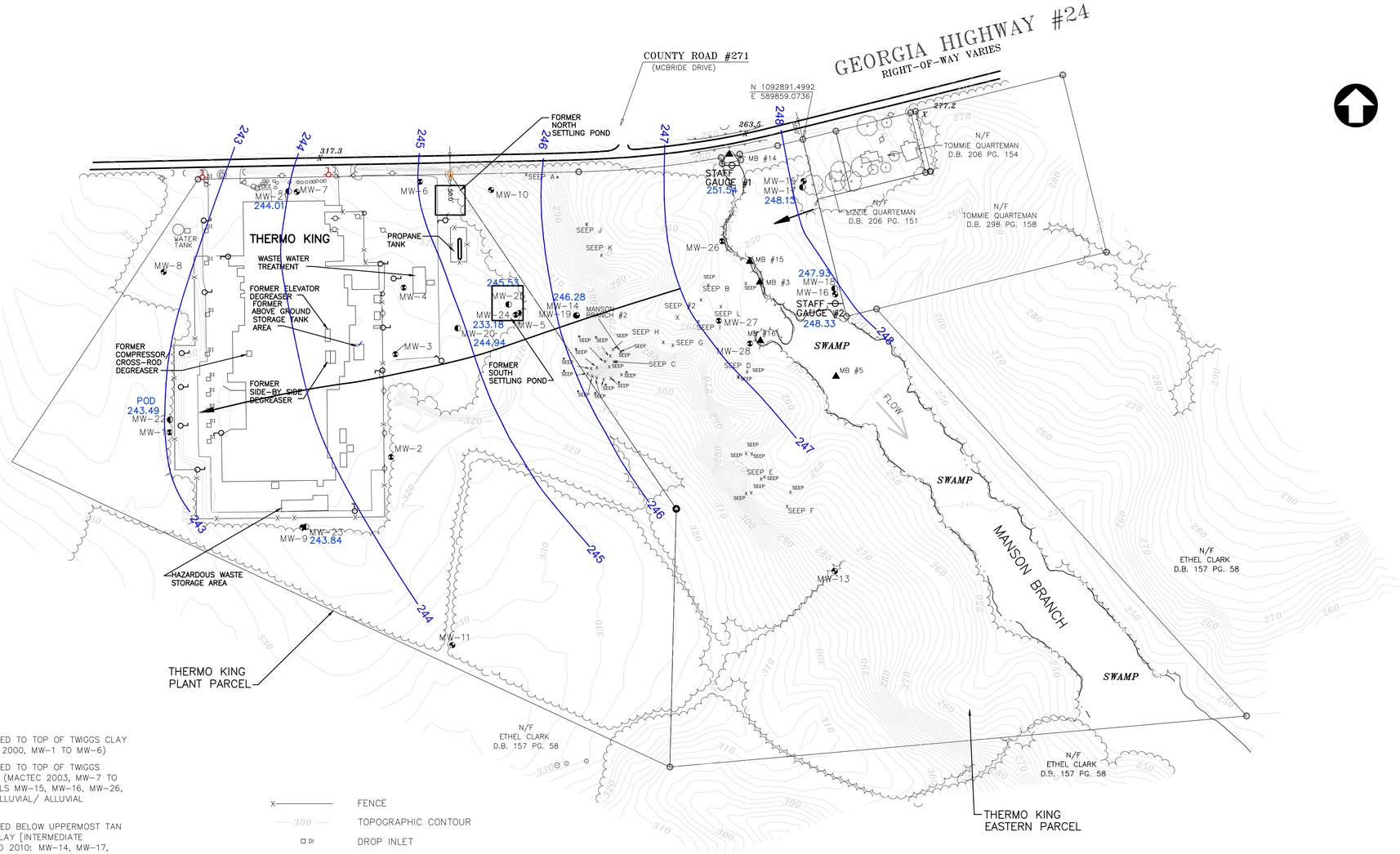
amec foster wheeler

POTENTIOMETRIC SURFACE MAP FOR UPPERMOST WATER-BEARING ZONE JULY 2015

FIGURE: 1

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

J:\Thermo King\JULY 2015\YDTMAP-UPPERMOST_JULY 2015.dwg - Layout1 09/02/2015 11:56am colleen.budsock



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 AND 2010: 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

X	FENCE
300	TOPOGRAPHIC CONTOUR
DI	DROP INLET
	LIGHT POLE
	PROPERTY BOUNDARY
245.96	GROUND–WATER ELEVATION IN FEET, NAVD 1988 (JULY 7, 2015)
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

DESIGNED	M. ANDREWS
DRAWN	T. GLADSTONE
CHECKED	R. QUINN
IN CHARGE	D. ALCOTT
DATE	7/27/2015

THERMO KING CORPORATION
LOUISVILLE, GEORGIA

AMEC FOSTER WHEELER
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1075 BIG SHANTY ROAD, NW, SUITE 100
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amec foster wheeler

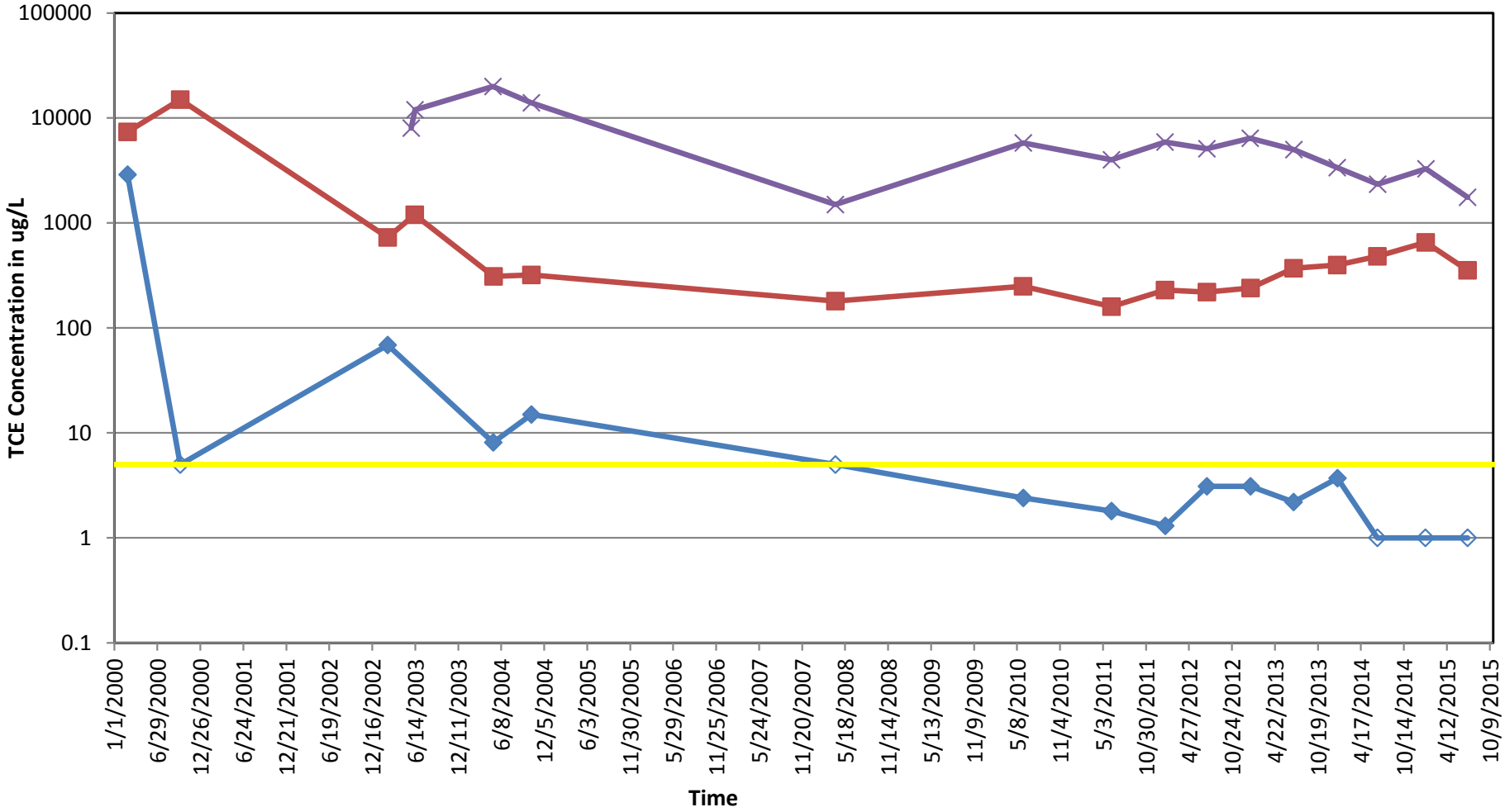
POTENTIOMETRIC SURFACE MAP FOR INTERMEDIATE WATER–BEARING ZONE JULY 2015

FIGURE: 2

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

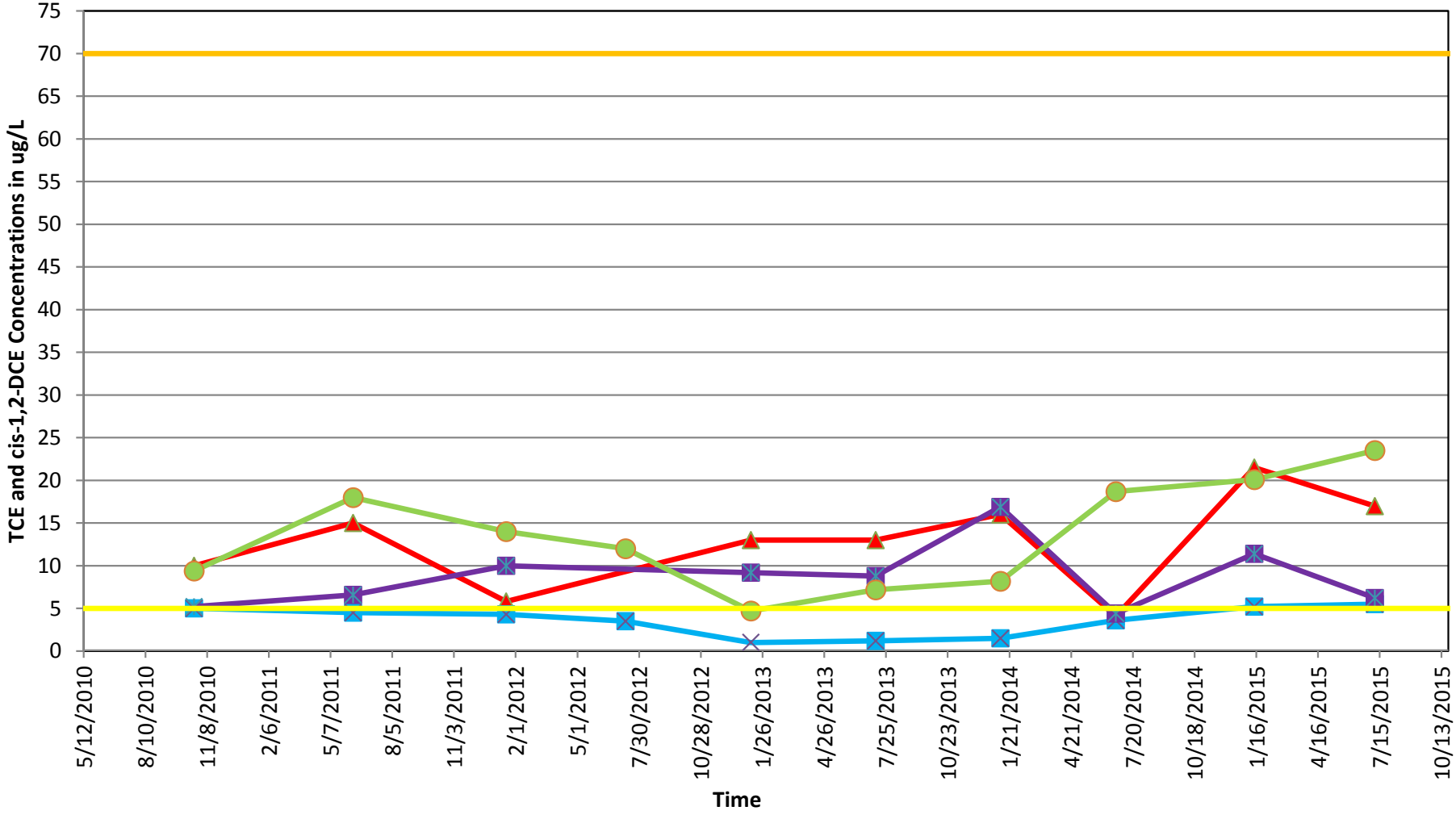
J:\Thermo King\JULY 2015\POT–INTERMEDIATE July 2015.dwg – Layout1 09/02/2015 11:49am colleen.budsock

Figure 3: Time Trend of TCE in Uppermost Water Bearing Zone Wells



Open symbols indicate TCE was not detected above the laboratory quantitation limit shown.

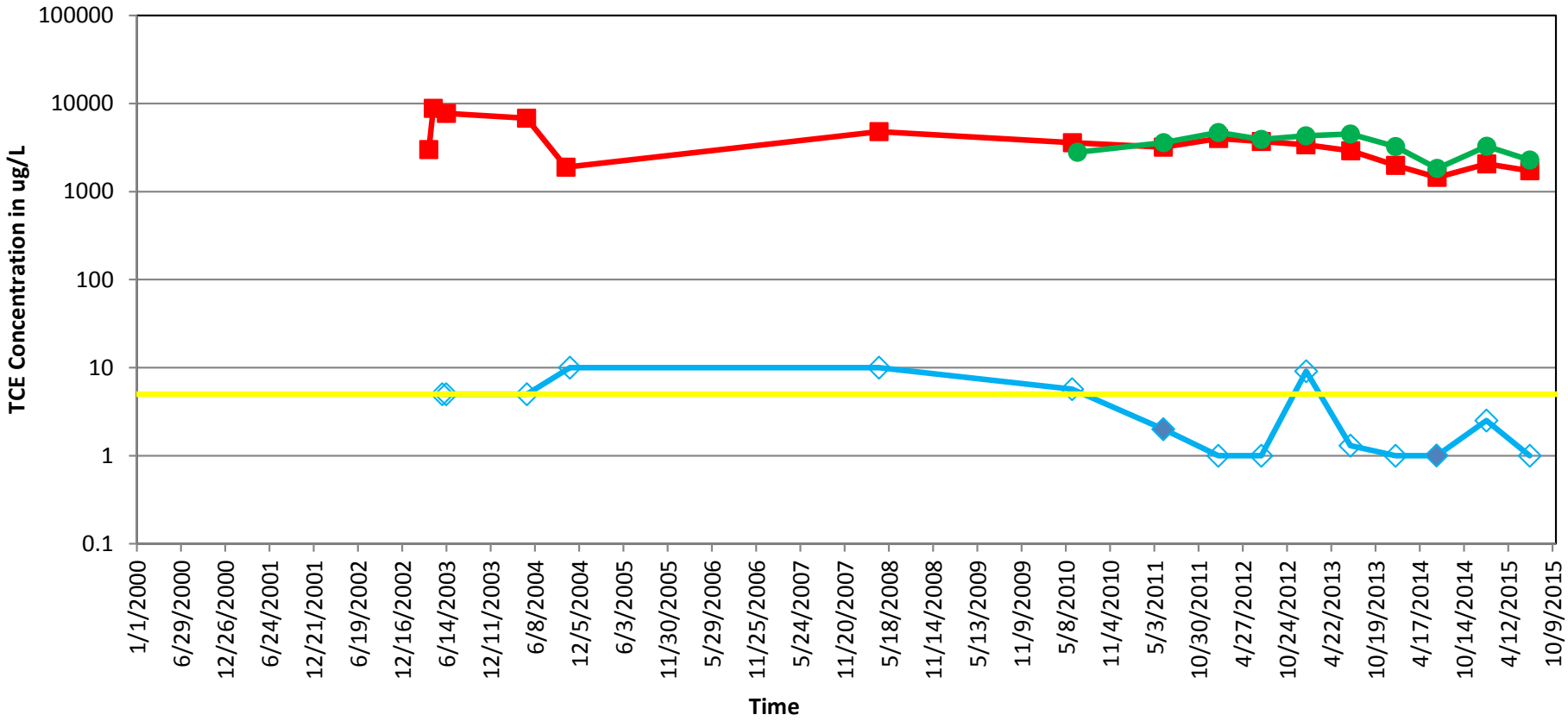
Figure 4: Time Trend of TCE and Cis-1,2-DCE in Wells MW-27 and MW-28



Open symbols indicate TCE and cis-1,2-DCE were not detected above the laboratory quantitation limits shown.

MW-27 TCE | MW-28 TCE | MW-27 cis-1,2-DCE | MW-28 cis-1,2-DCE | TCE MCL = 5 ug/L | cis-1,2-DCE MCL = 70 ug/L

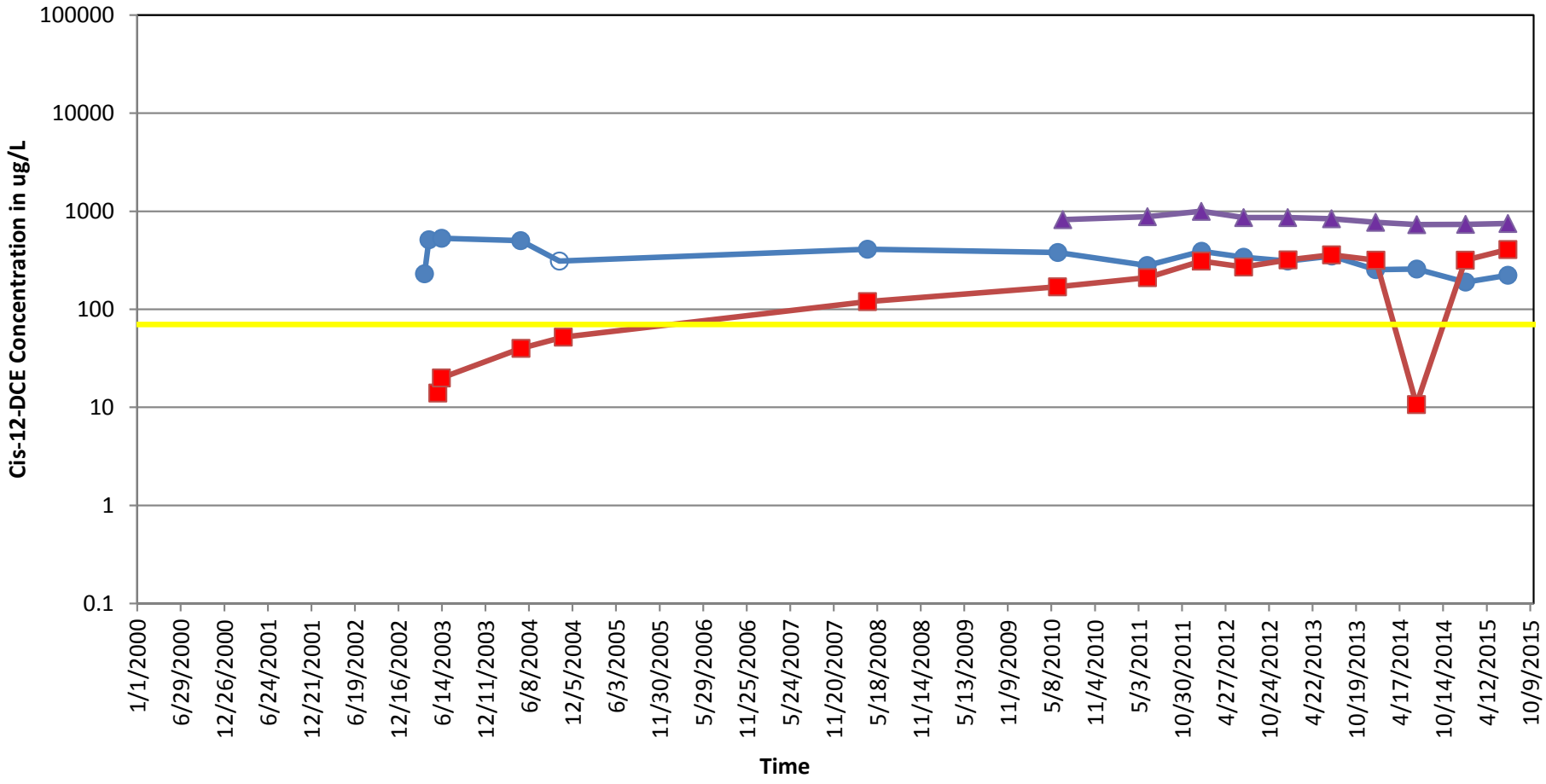
Figure 5: Time Trend of TCE in Intermediate Water Bearing Zone Wells



Open symbols indicate TCE was not detected above the laboratory quantitation limit shown.

MW-14 TCE MW-20 TCE MW-25 TCE TCE MCL = 5 ug/L

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



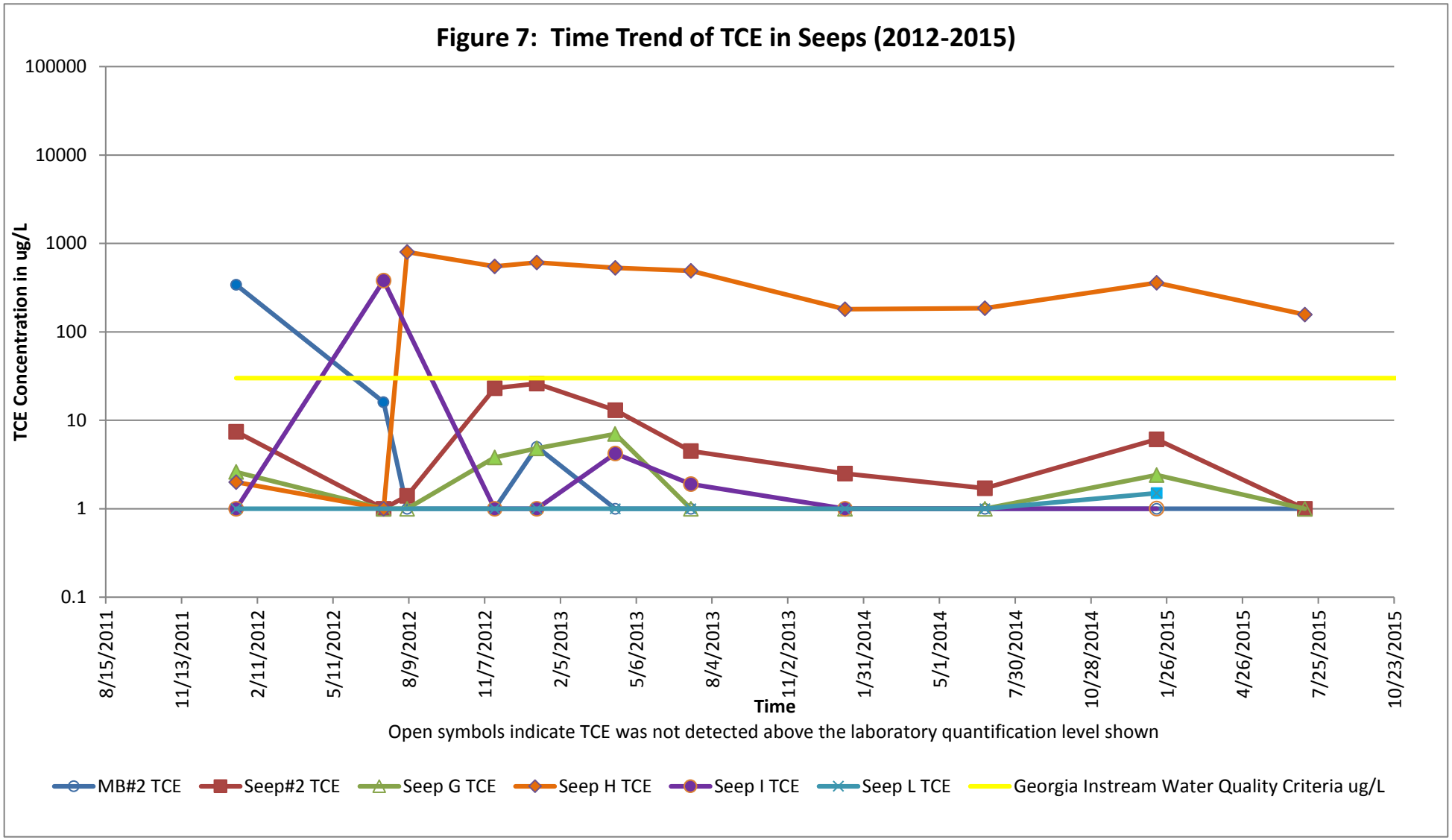


Figure 7: Time Trend of TCE in Seeps (2012-2015)
TCE Concentration in ug/L
100000
10000
1000
100
10
1
0.1
8/15/2011
11/13/2011
2/11/2012
5/11/2012
8/9/2012
11/7/2012
2/5/2013
5/6/2013
8/4/2013
11/2/2013
1/31/2014
5/1/2014
7/30/2014
10/28/2014
1/26/2015
4/26/2015
7/25/2015
10/23/2015
Time
Open symbols indicate TCE was not detected above the laboratory quantification level shown
MB#2 TCE
Seep#2 TCE
Seep G TCE
Seep H TCE
Seep I TCE
Seep L TCE
Georgia Instream Water Quality Criteria ug/L

Figure 8: Time Trend of Cis-1,2-Dichloroethene in Seeps (2012-2015)

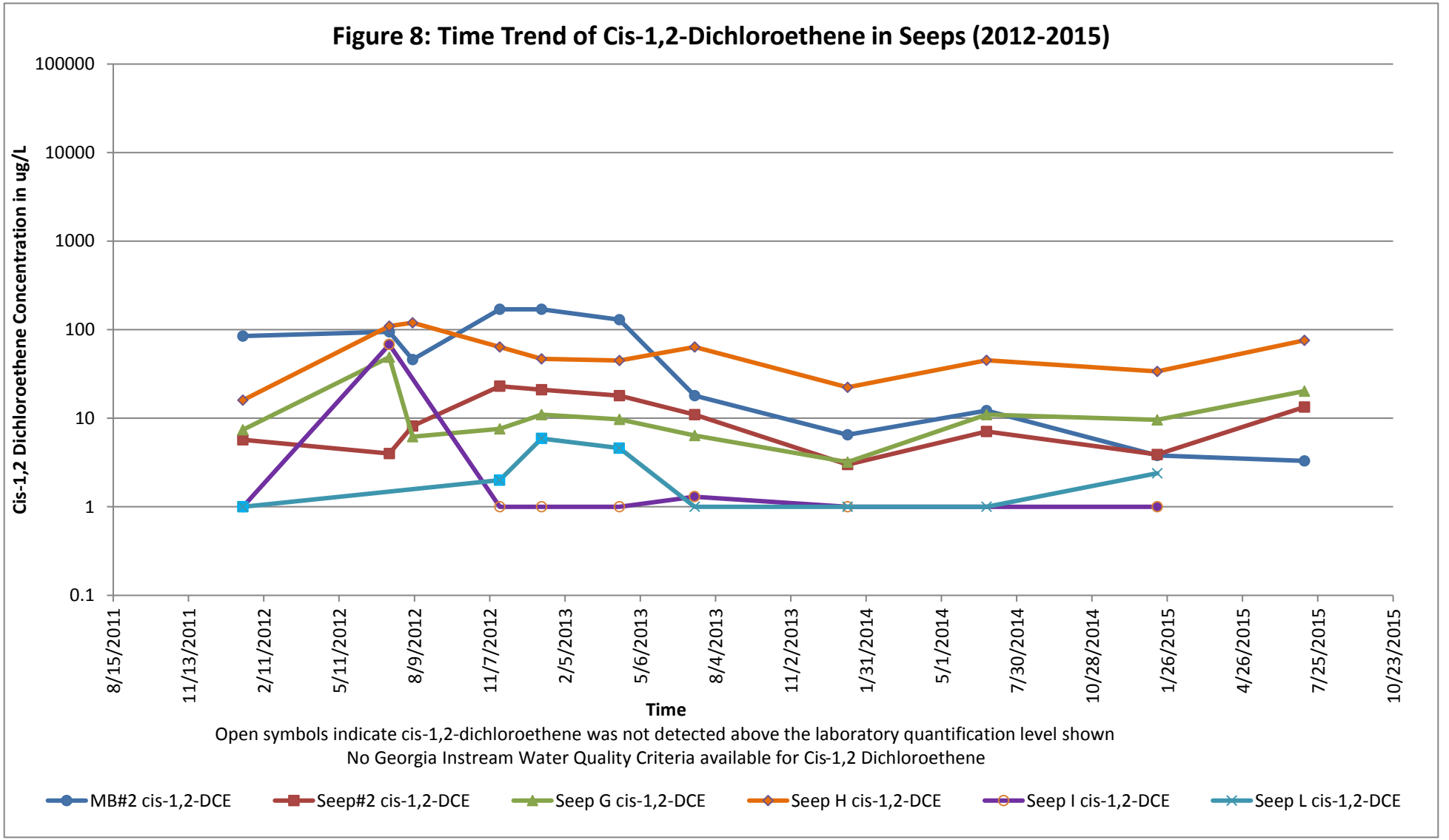


Figure 9: Time Trend of 1,1-Dichloroethene in Seeps (2012-2015)

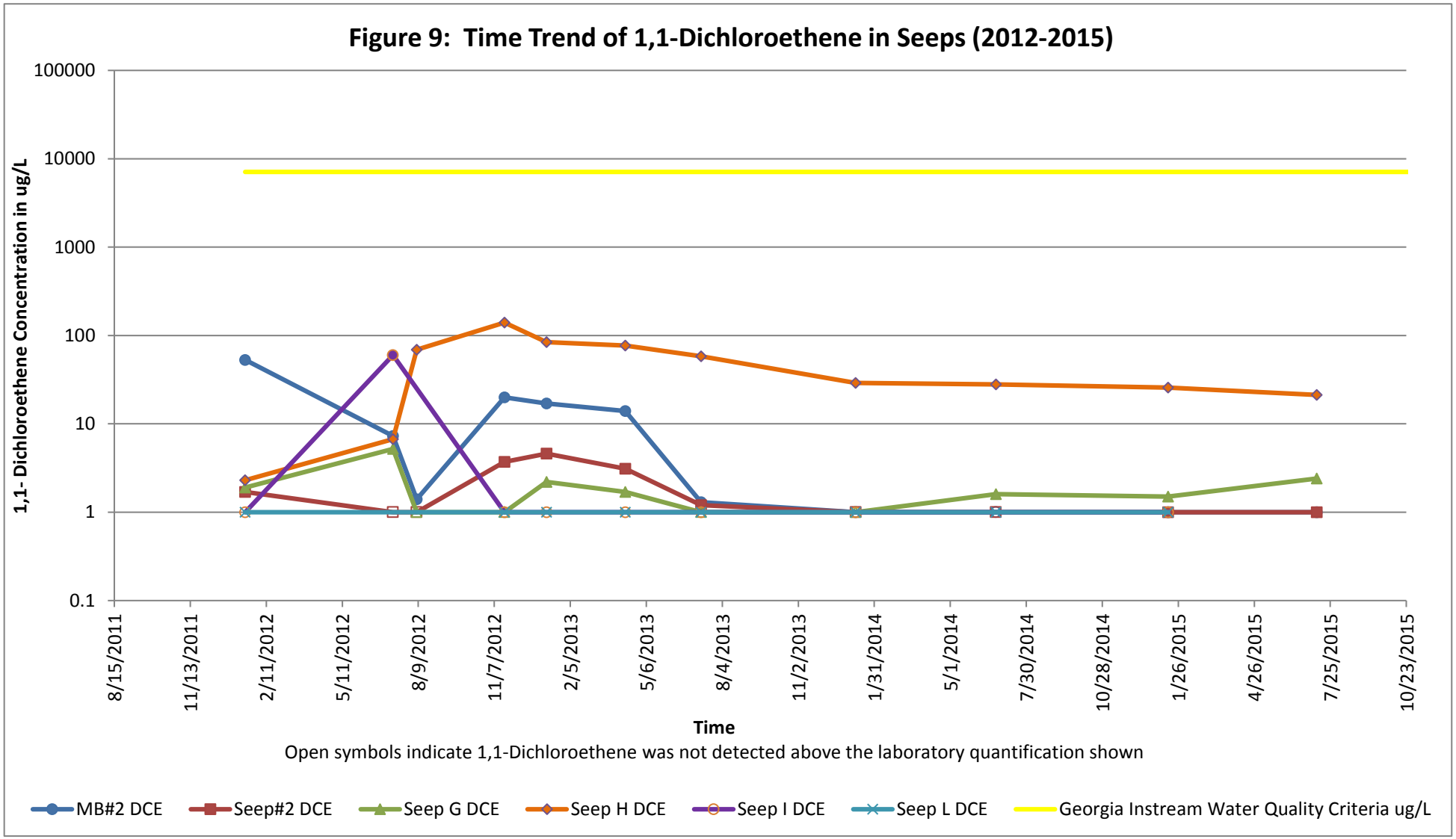
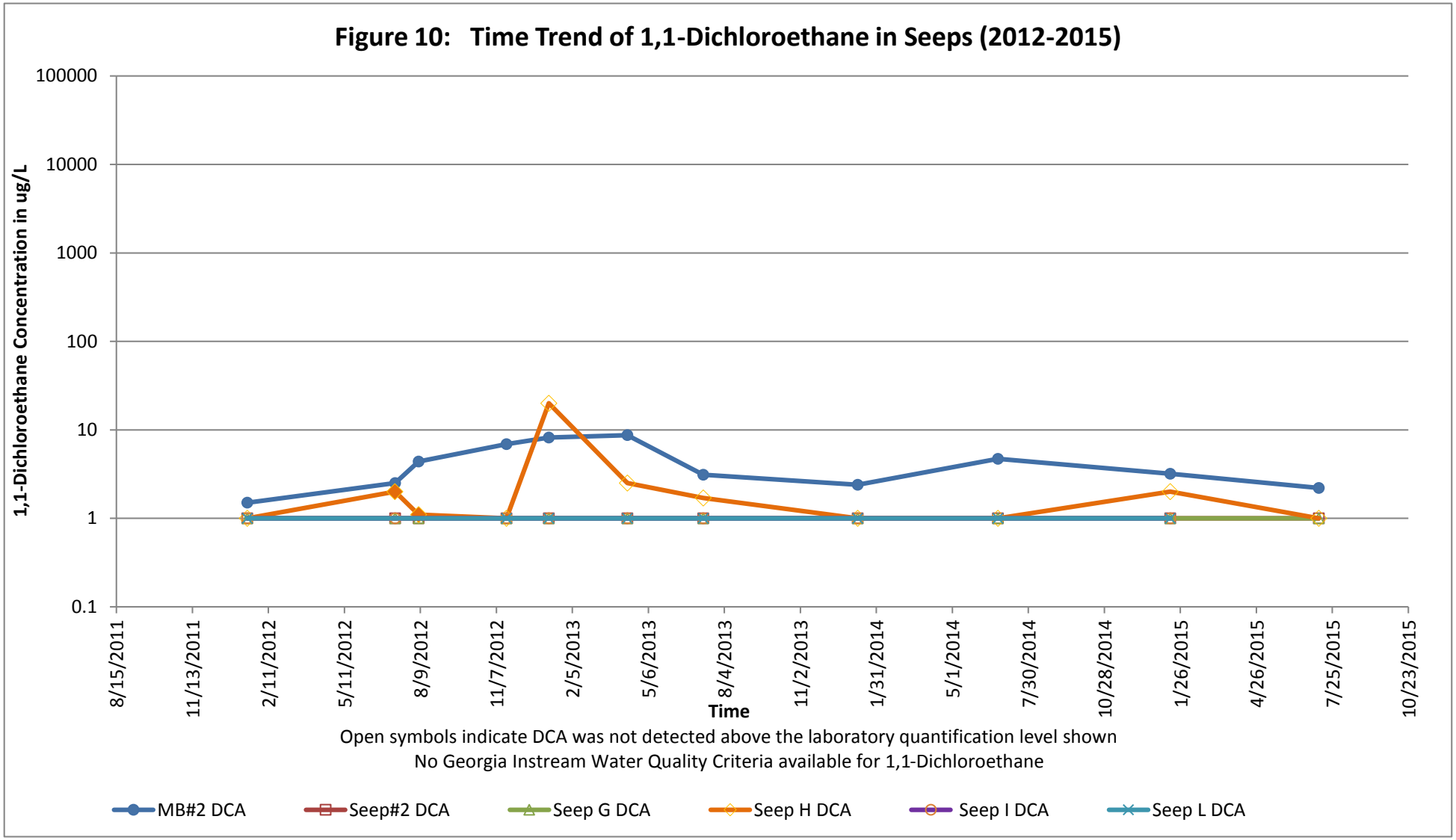


Figure 10: Time Trend of 1,1-Dichloroethane in Seeps (2012-2015)



Open symbols indicate DCA was not detected above the laboratory quantification level shown

No Georgia Instream Water Quality Criteria available for 1,1-Dichloroethane

Figure 11: Time Trend of Toluene in Seeps (2012-2015)

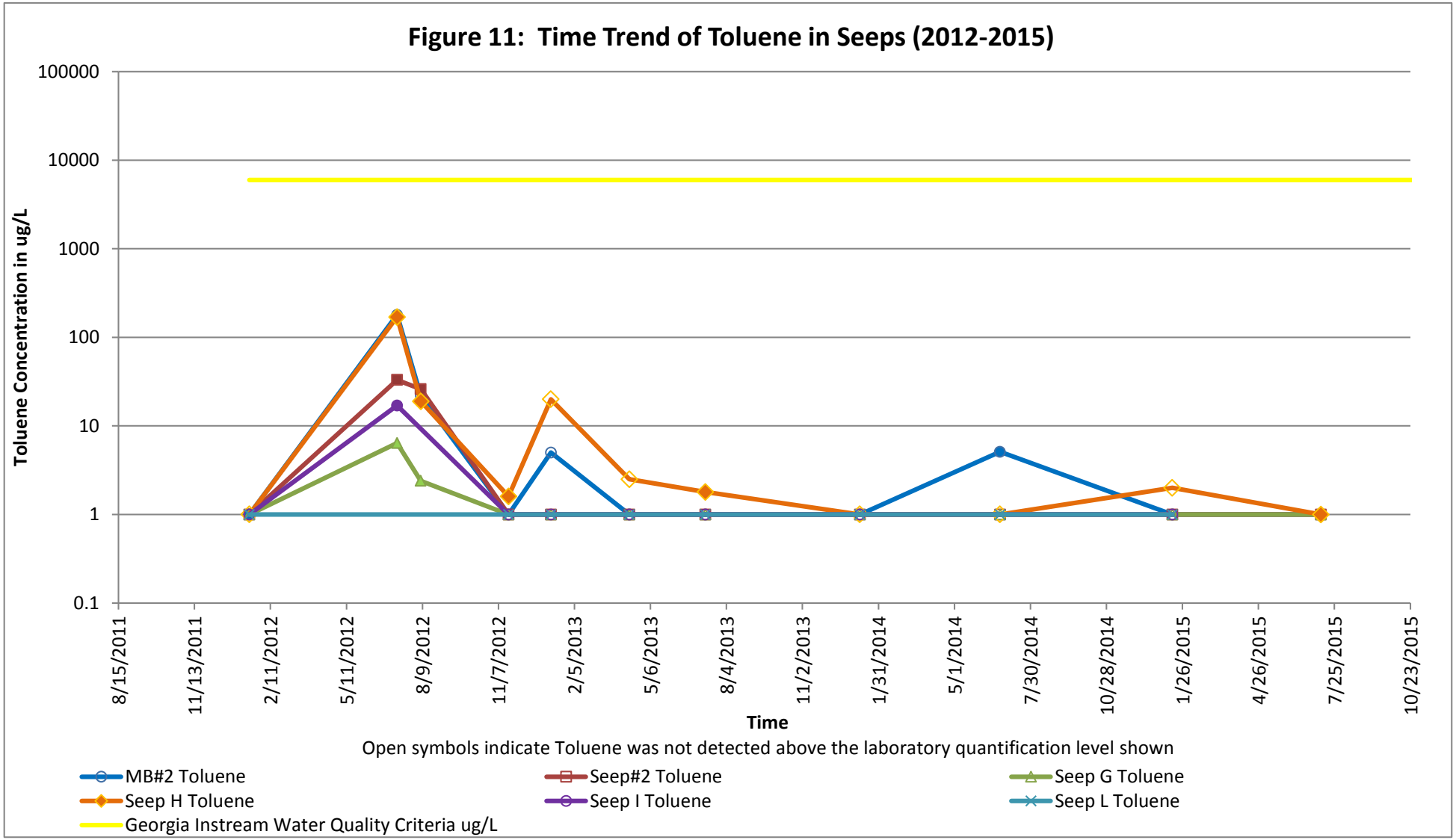


Figure 12: Time Trend of Vinyl Chloride in Seeps (2012-2015)

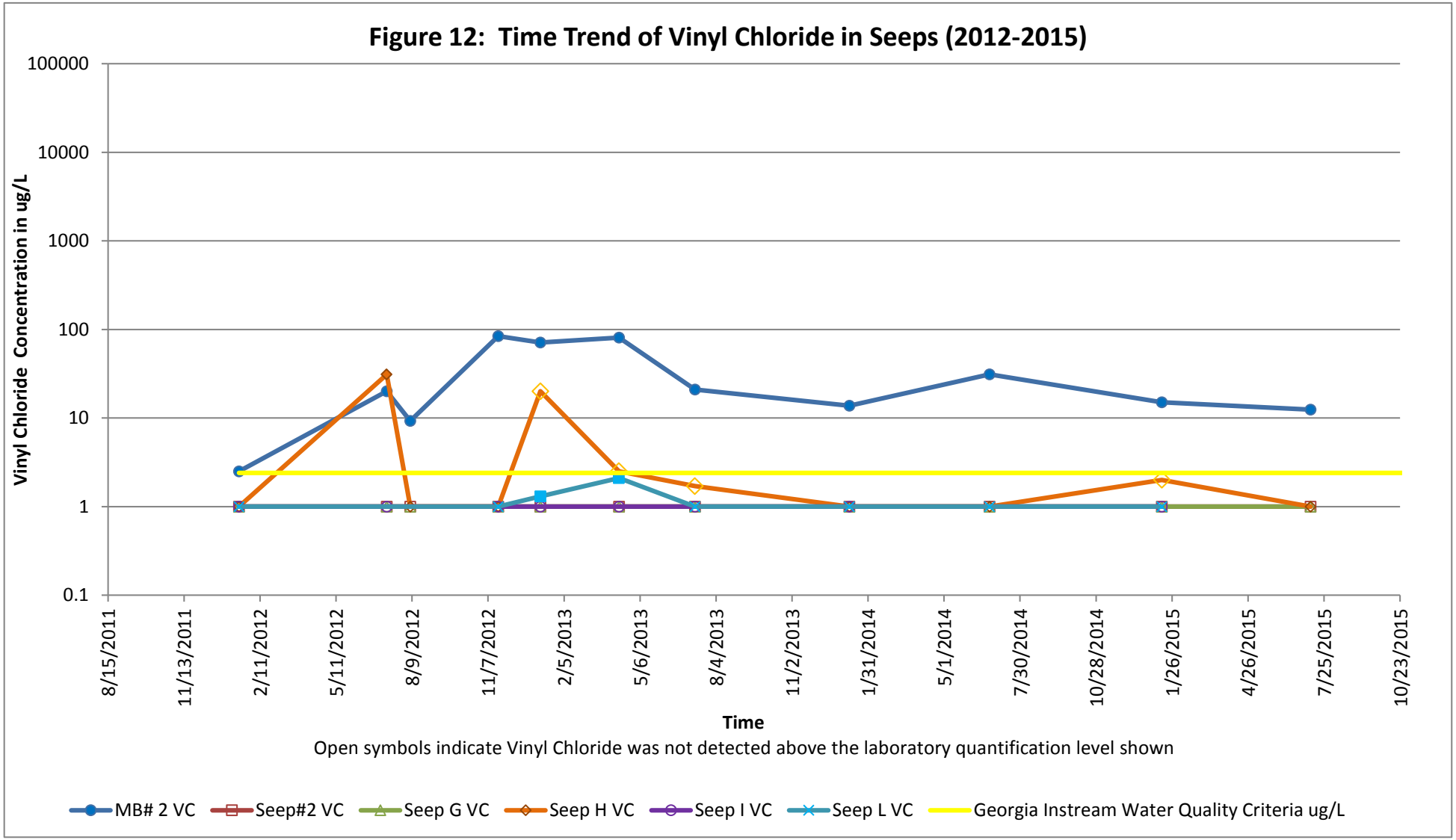


Figure 13A: TCE in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone

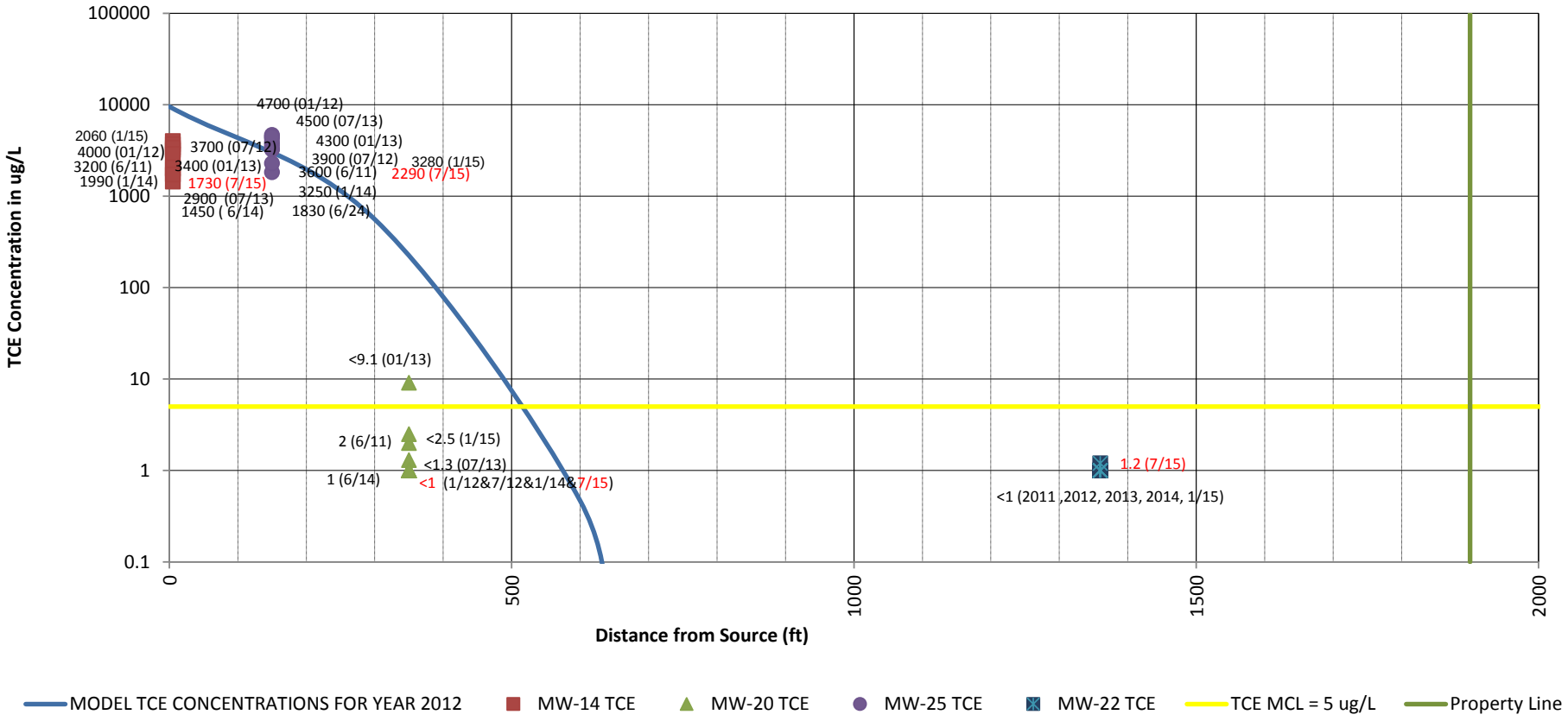


Figure 13B: TCE in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone 2015

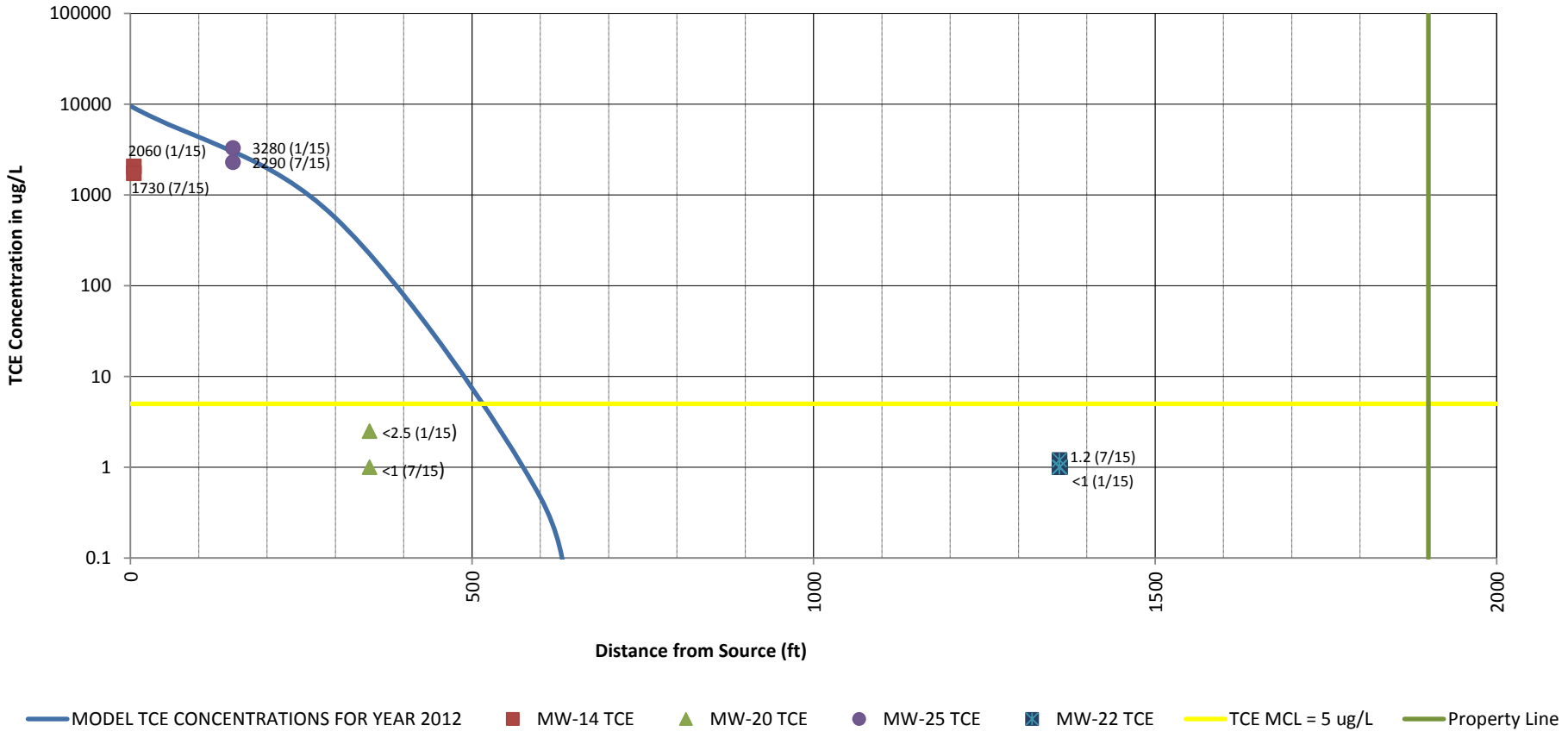


Figure 14A: Cis-1,2-Dichloroethene in Groundwater (Distance vs Concentration) - Intermediate Water- Bearing Zone

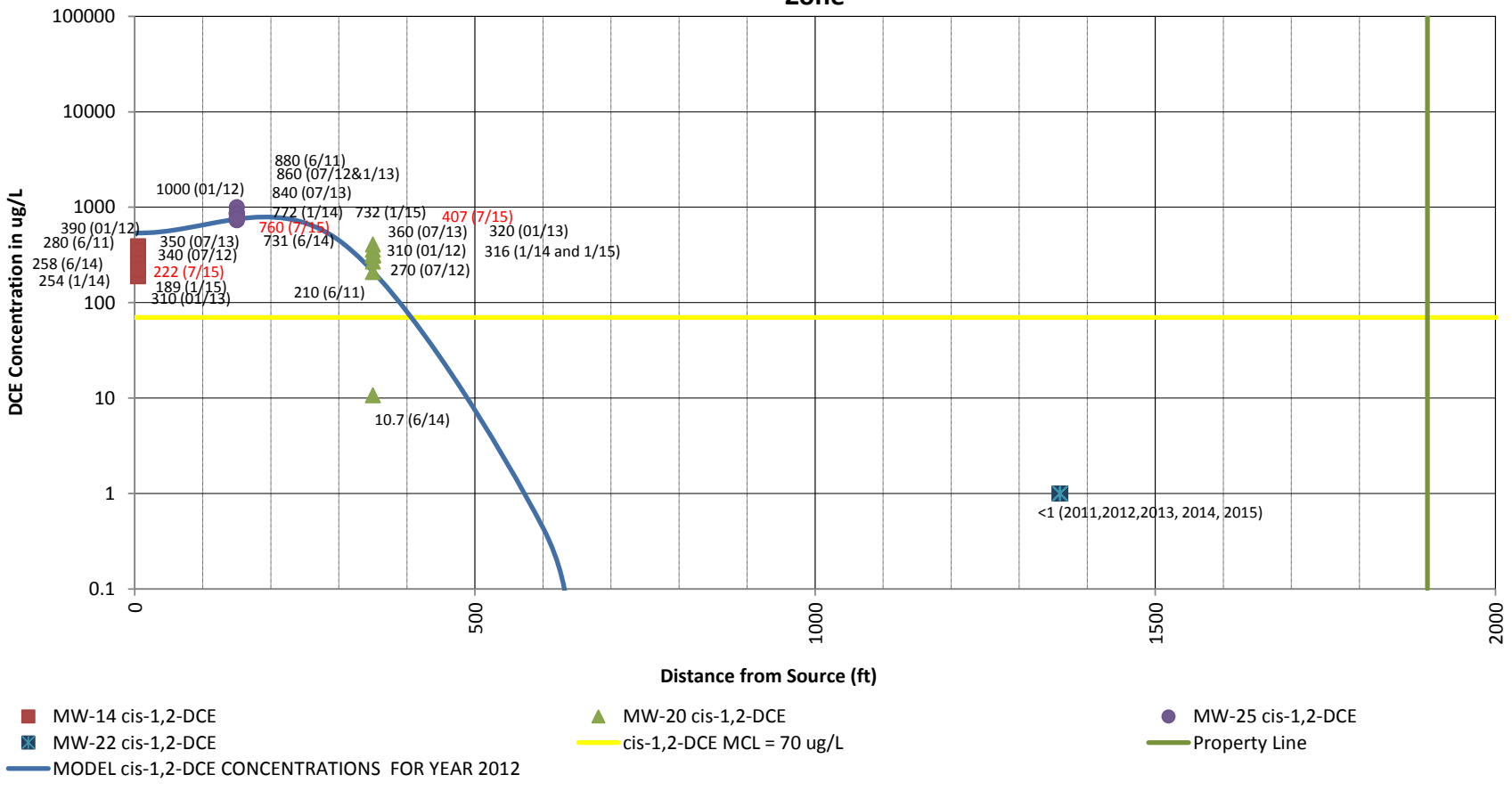


Figure 14B: Cis-1,2-Dichloroethene in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone 2015

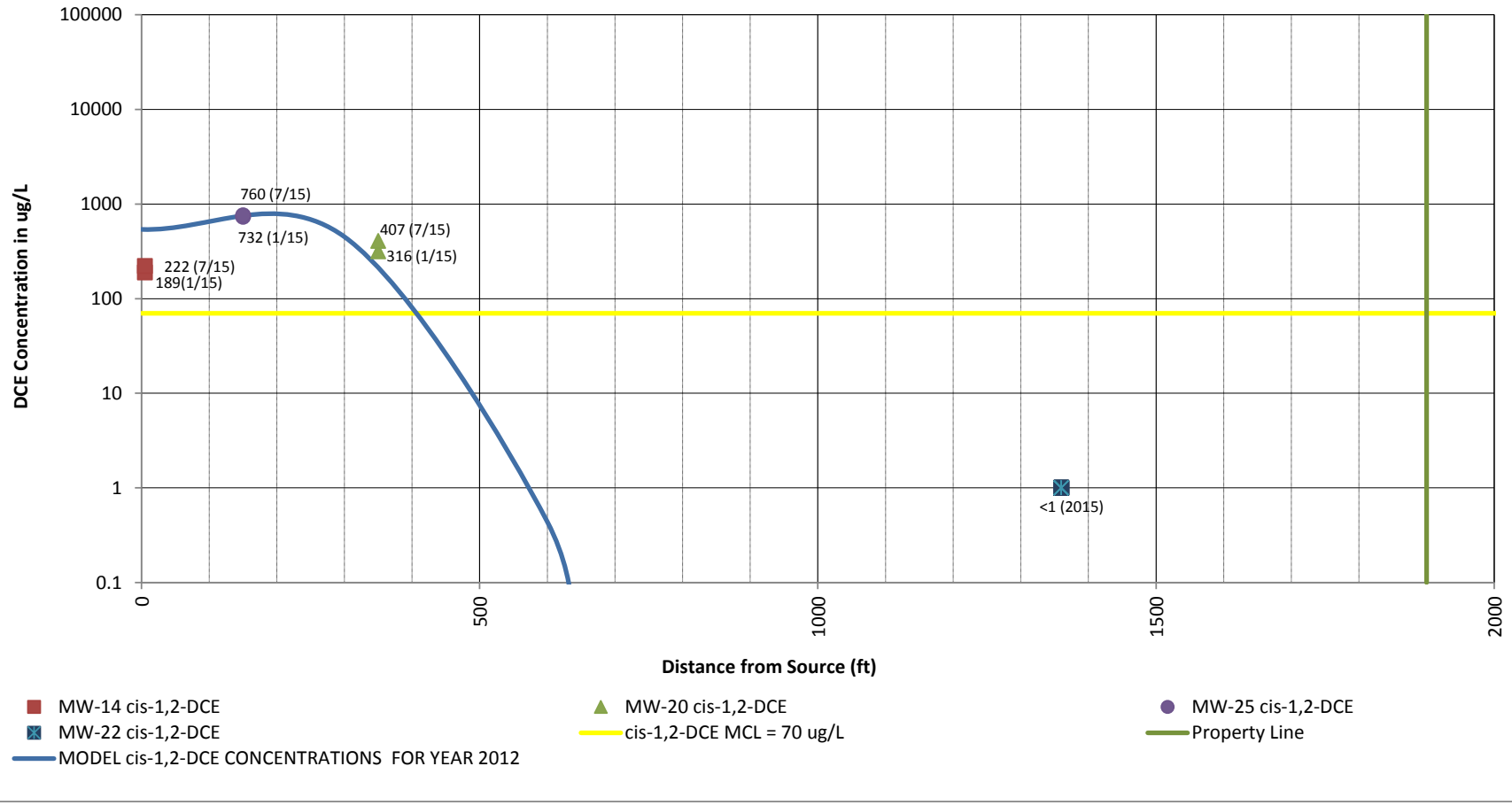


Figure 15A: Vinyl Chloride in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone

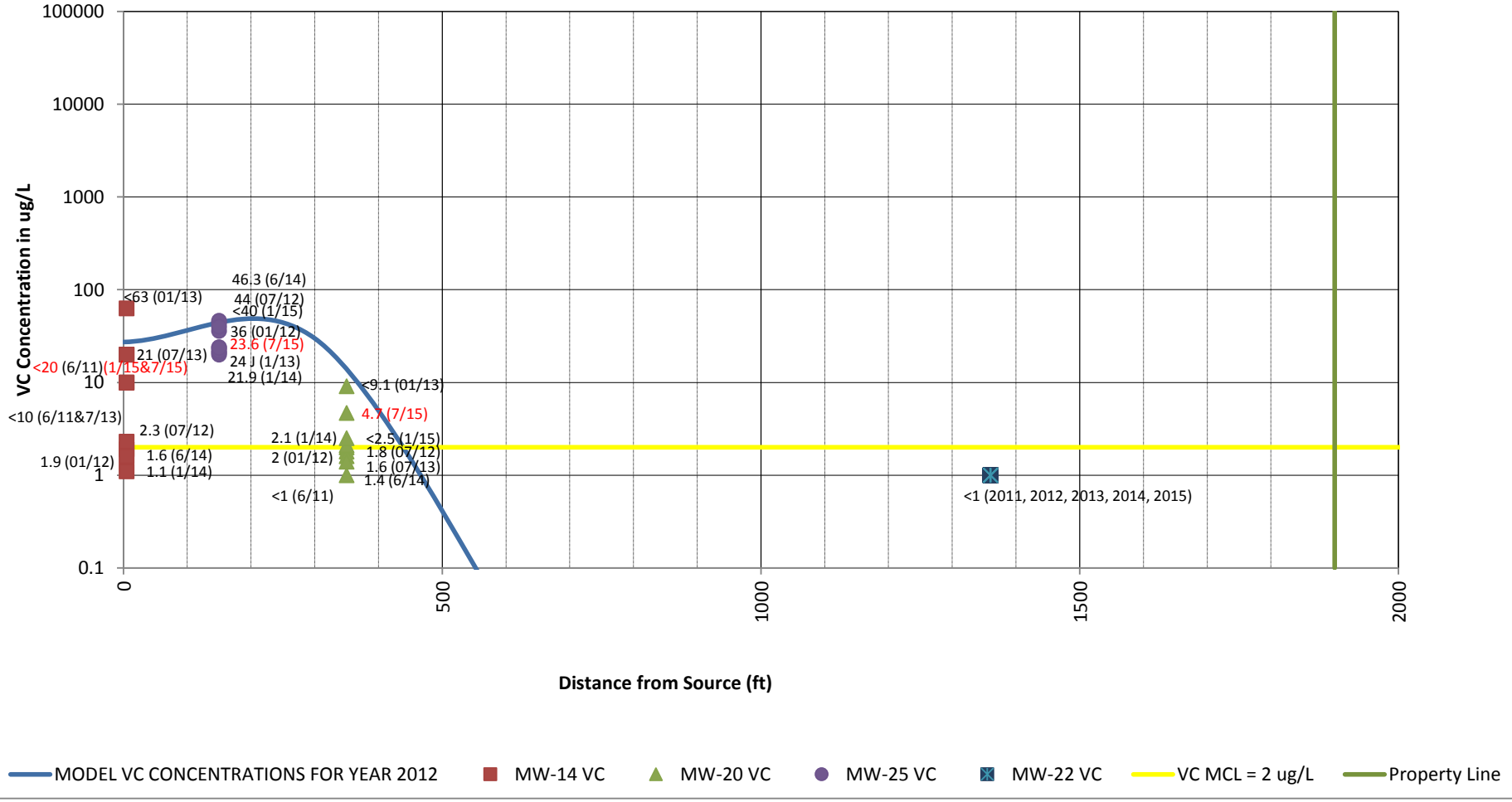


Figure 15B: Vinyl Chloride in Groundwater (Distance vs Concentration) - Intermediate Water-Bearing Zone 2015

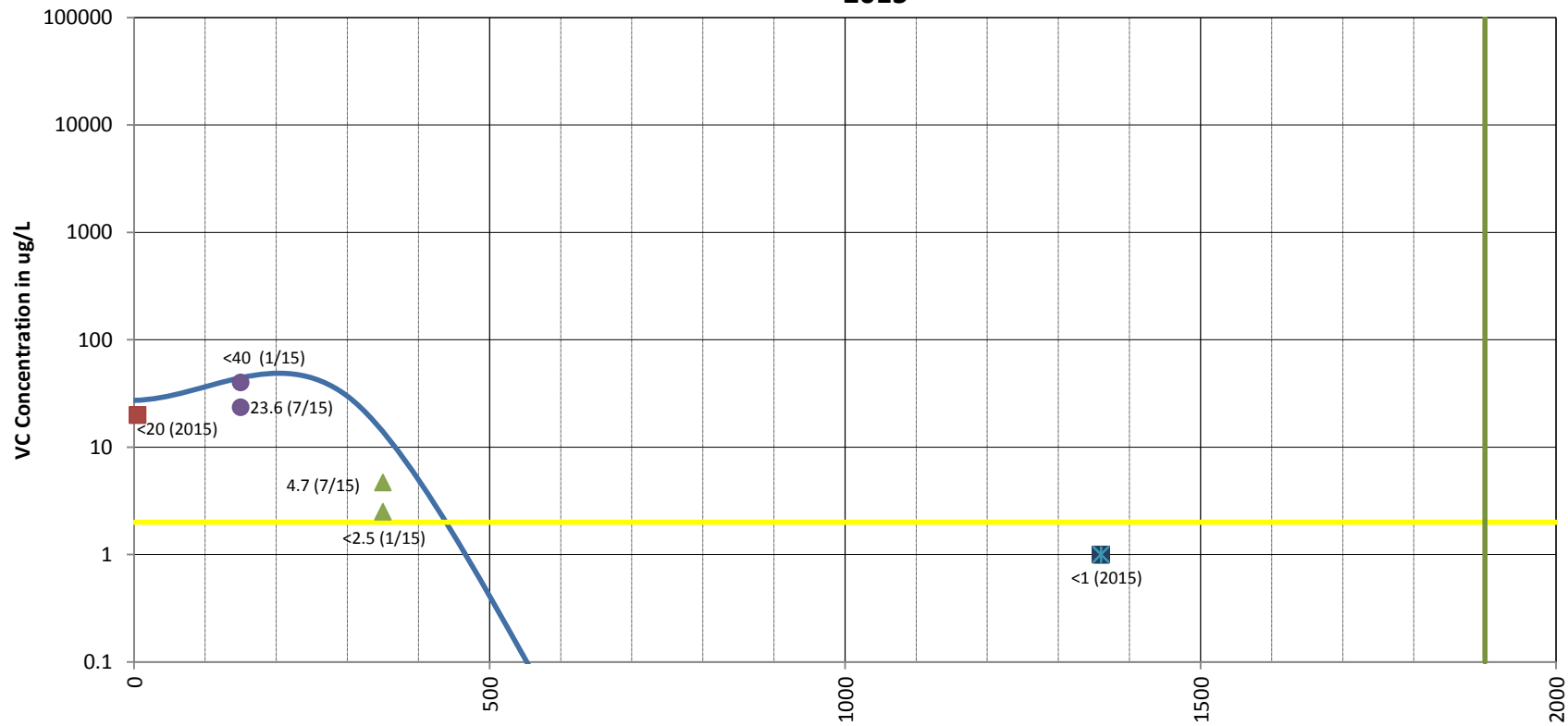
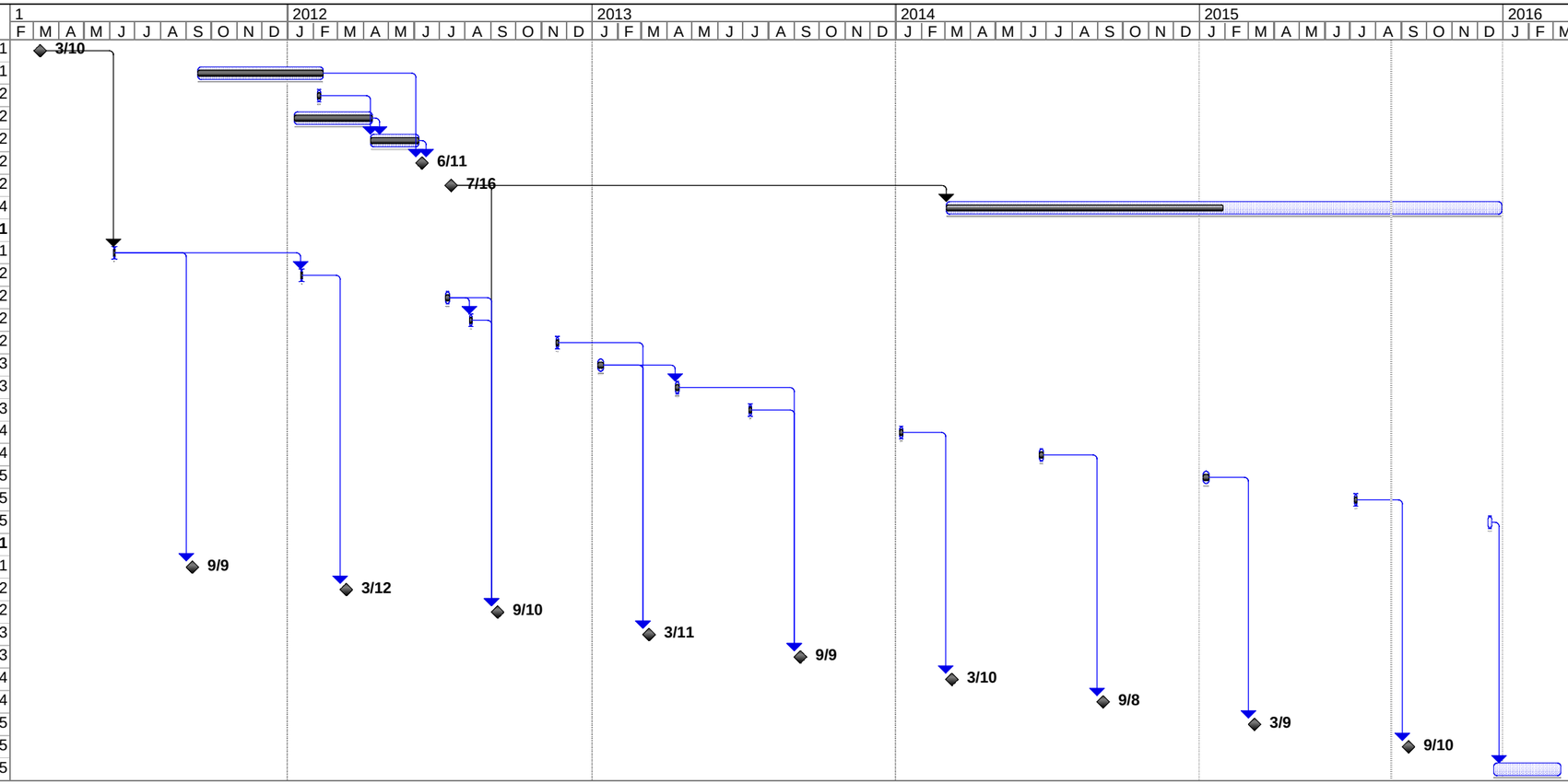


FIGURE 16 - UPDATED GANTT CHART SCHEDULE OF VRP ACTIVITIES

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 6/23/14
20	Semi-Annual Sampling Event 8	Tue 1/6/15
21	Semi-Annual Sampling Event 9	Tue 7/7/15
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: Wed 8/19/15

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

APPENDIX A
LABORATORY REPORTS AND FIELD SAMPLING FORMS FOR JULY 2015 GROUNDWATER, SEEP, AND SURFACE WATER SAMPLING EVENT

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

July 24, 2015

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

RE: Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Dear Rhonda Quinn:
Enclosed are the analytical results for sample(s) received by the laboratory on July 14, 2015. 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 Foster Wheeler

Pace Analytical Services, Inc.
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CERTIFICATIONS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

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

Asheville Certification IDs
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92258453001	**MW-3**	Water	07/08/15 14:58	07/14/15 10:20
92258453002	**MW-10**	Water	07/09/15 12:48	07/14/15 10:20
92258453003	**MW-22**	Water	07/09/15 15:00	07/14/15 10:20
92258453004	**MW-5**	Water	07/08/15 16:10	07/14/15 10:20
92258453005	**MW-14**	Water	07/08/15 11:10	07/14/15 10:20
92258453006	**MW-19**	Water	07/08/15 13:35	07/14/15 10:20
92258453007	**MW-20**	Water	07/08/15 13:13	07/14/15 10:20
92258453008	**MW-25**	Water	07/09/15 11:30	07/14/15 10:20
92258453009	**MW-27**	Water	07/08/15 16:38	07/14/15 10:20
92258453010	**MW-28**	Water	07/08/15 17:12	07/14/15 10:20
92258453011	**DUP-1**	Water	07/08/15 12:00	07/14/15 10:20
92258453012	**EB-1**	Water	07/09/15 09:00	07/14/15 10:20
92258453013	**SEEP G**	Water	07/09/15 16:25	07/14/15 10:20
92258453014	**SEEP H**	Water	07/09/15 16:08	07/14/15 10:20
92258453015	**MANSON BRANCH #2**	Water	07/09/15 15:58	07/14/15 10:20
92258453016	**SEEP #2**	Water	07/09/15 16:40	07/14/15 10:20
92258453017	**MB #3**	Water	07/10/15 09:45	07/14/15 10:20
92258453018	**MB #5**	Water	07/10/15 10:20	07/14/15 10:20
92258453019	**MB #15**	Water	07/10/15 10:05	07/14/15 10:20
92258453020	**MB #16**	Water	07/10/15 10:40	07/14/15 10:20
92258453021	**TB-1**	Water	07/10/15 00:00	07/14/15 10:20
92258453022	**TK PURGE WATER**	Water	07/10/15 08:50	07/14/15 10:20

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SAMPLE ANALYTE COUNT

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92258453001	**MW-3**	EPA 8260	CCL	61	PASI-C
92258453002	**MW-10**	EPA 8260	CCL	61	PASI-C
92258453003	**MW-22**	EPA 8260	CCL	61	PASI-C
92258453004	**MW-5**	EPA 8260	GAW	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453005	**MW-14**	EPA 8260	GAW	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453006	**MW-19**	EPA 8260	GAW	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453007	**MW-20**	EPA 8260	CCL	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453008	**MW-25**	EPA 8260	GAW	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453009	**MW-27**	EPA 8260	CCL	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453010	**MW-28**	EPA 8260	CCL	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453011	**DUP-1**	EPA 8260	GAW	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453012	**EB-1**	EPA 8260	CCL	60	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
92258453013	**SEEP G**	EPA 8260	CCL	61	PASI-C
92258453014	**SEEP H**	EPA 8260	GAW	61	PASI-C
92258453015	**MANSON BRANCH #2**	EPA 8260	GAW	61	PASI-C
92258453016	**SEEP #2**	EPA 8260	GAW	61	PASI-C
92258453017	**MB #3**	EPA 8260	GAW	61	PASI-C
92258453018	**MB #5**	EPA 8260	GAW	61	PASI-C
92258453019	**MB #15**	EPA 8260	GAW	61	PASI-C
92258453020	**MB #16**	EPA 8260	GAW	61	PASI-C
92258453021	**TB-1**	EPA 8260	CCL	61	PASI-C
92258453022	**TK PURGE WATER**	EPA 6010	JMW	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8260	GAW	61	PASI-C

Pace Analytical Services, Inc.
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SUMMARY OF DETECTION

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92258453001	**MW-3**					
EPA 8260	Chloroform	4.0	ug/L	1.0	07/16/15 06:57	
EPA 8260	cis-1,2-Dichloroethene	0.20J	ug/L	1.0	07/16/15 06:57	
92258453002	**MW-10**					
EPA 8260	Chloroform	1.4	ug/L	1.0	07/16/15 07:14	
EPA 8260	1,1-Dichloroethene	0.83J	ug/L	1.0	07/16/15 07:14	
EPA 8260	Trichloroethene	1.6	ug/L	1.0	07/16/15 07:14	
92258453003	**MW-22**					
EPA 8260	Naphthalene	2.8	ug/L	1.0	07/16/15 07:31	
EPA 8260	Trichloroethene	1.2	ug/L	1.0	07/16/15 07:31	
92258453004	**MW-5**					
EPA 8260	Chloroform	2.3J	ug/L	4.0	07/18/15 05:18	
EPA 8260	1,2-Dichloroethane	0.59J	ug/L	4.0	07/18/15 05:18	B
EPA 8260	cis-1,2-Dichloroethene	1.3J	ug/L	4.0	07/18/15 05:18	
EPA 8260	Hexachloro-1,3-butadiene	5.3	ug/L	4.0	07/18/15 05:18	
EPA 8260	Methylene Chloride	10.4	ug/L	8.0	07/18/15 05:18	
EPA 8260	1,1,1,2-Tetrachloroethane	1.4J	ug/L	4.0	07/18/15 05:18	
EPA 8260	Tetrachloroethene	2.4J	ug/L	4.0	07/18/15 05:18	
EPA 8260	Trichloroethene	354	ug/L	4.0	07/18/15 05:18	
92258453005	**MW-14**					
EPA 8260	1,2-Dichloroethane	2.7J	ug/L	20.0	07/17/15 06:51	B
EPA 8260	1,1-Dichloroethene	44.4	ug/L	20.0	07/17/15 06:51	
EPA 8260	cis-1,2-Dichloroethene	222	ug/L	20.0	07/17/15 06:51	
EPA 8260	Methylene Chloride	44.6	ug/L	40.0	07/17/15 06:51	
EPA 8260	Trichloroethene	1730	ug/L	20.0	07/17/15 06:51	
92258453006	**MW-19**					
EPA 8260	1,1-Dichloroethene	32.3	ug/L	25.0	07/17/15 07:08	
EPA 8260	cis-1,2-Dichloroethene	20.4J	ug/L	25.0	07/17/15 07:08	
EPA 8260	Methylene Chloride	53.3	ug/L	50.0	07/17/15 07:08	
EPA 8260	Trichloroethene	1760	ug/L	25.0	07/17/15 07:08	
92258453007	**MW-20**					
EPA 8260	Benzene	0.37J	ug/L	1.0	07/16/15 07:48	
EPA 8260	1,1-Dichloroethene	8.9	ug/L	1.0	07/16/15 07:48	
EPA 8260	cis-1,2-Dichloroethene	407	ug/L	5.0	07/16/15 11:13	
EPA 8260	Vinyl chloride	4.7	ug/L	1.0	07/16/15 07:48	
92258453008	**MW-25**					
EPA 8260	1,1-Dichloroethene	22.8	ug/L	10.0	07/17/15 07:25	
EPA 8260	cis-1,2-Dichloroethene	748	ug/L	10.0	07/17/15 07:25	
EPA 8260	Methylene Chloride	15.4J	ug/L	20.0	07/17/15 07:25	
EPA 8260	Trichloroethene	2290	ug/L	25.0	07/18/15 10:08	
EPA 8260	Vinyl chloride	23.6	ug/L	10.0	07/17/15 07:25	
92258453009	**MW-27**					
EPA 8260	Chloroform	0.28J	ug/L	1.0	07/16/15 08:05	

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SUMMARY OF DETECTION

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92258453009	**MW-27**					
EPA 8260	1,1-Dichloroethene	1.2	ug/L	1.0	07/16/15 08:05	
EPA 8260	cis-1,2-Dichloroethene	6.2	ug/L	1.0	07/16/15 08:05	
EPA 8260	Trichloroethene	17.0	ug/L	1.0	07/16/15 08:05	
92258453010	**MW-28**					
EPA 8260	1,1-Dichloroethene	3.6	ug/L	1.0	07/16/15 08:23	
EPA 8260	cis-1,2-Dichloroethene	23.5	ug/L	1.0	07/16/15 08:23	
EPA 8260	Trichloroethene	5.5	ug/L	1.0	07/16/15 08:23	
EPA 8260	Vinyl chloride	1.0	ug/L	1.0	07/16/15 08:23	
92258453011	**DUP-1**					
EPA 8260	Chloroform	2.2J	ug/L	4.0	07/18/15 05:35	
EPA 8260	1,2-Dichloroethane	0.63J	ug/L	4.0	07/18/15 05:35	B
EPA 8260	cis-1,2-Dichloroethene	1.6J	ug/L	4.0	07/18/15 05:35	
EPA 8260	Hexachloro-1,3-butadiene	6.6	ug/L	4.0	07/18/15 05:35	
EPA 8260	Methylene Chloride	5.7J	ug/L	8.0	07/18/15 05:35	
EPA 8260	1,1,1,2-Tetrachloroethane	1.4J	ug/L	4.0	07/18/15 05:35	
EPA 8260	Trichloroethene	352	ug/L	4.0	07/18/15 05:35	
92258453012	**EB-1**					
EPA 8260	Toluene	0.98J	ug/L	1.0	07/16/15 08:40	
92258453013	**SEEP G**					
EPA 8260	Chloromethane	0.20J	ug/L	1.0	07/16/15 08:57	
EPA 8260	1,1-Dichloroethene	2.4	ug/L	1.0	07/16/15 08:57	
EPA 8260	cis-1,2-Dichloroethene	20.2	ug/L	1.0	07/16/15 08:57	
EPA 8260	Toluene	0.46J	ug/L	1.0	07/16/15 08:57	
92258453014	**SEEP H**					
EPA 8260	Bromomethane	3.4	ug/L	2.0	07/18/15 06:10	
EPA 8260	Chloroform	0.75J	ug/L	1.0	07/18/15 06:10	
EPA 8260	1,1-Dichloroethane	0.63J	ug/L	1.0	07/18/15 06:10	
EPA 8260	1,2-Dichloroethane	0.16J	ug/L	1.0	07/18/15 06:10	B
EPA 8260	1,1-Dichloroethene	21.2	ug/L	1.0	07/18/15 06:10	
EPA 8260	cis-1,2-Dichloroethene	75.9	ug/L	1.0	07/18/15 06:10	
EPA 8260	1,1,1-Trichloroethane	1.4	ug/L	1.0	07/18/15 06:10	
EPA 8260	Trichloroethene	157	ug/L	1.0	07/18/15 06:10	
92258453015	**MANSON BRANCH #2**					
EPA 8260	Chloroethane	0.55J	ug/L	1.0	07/17/15 01:47	
EPA 8260	1,1-Dichloroethane	2.2	ug/L	1.0	07/17/15 01:47	
EPA 8260	1,2-Dichloroethane	0.55J	ug/L	1.0	07/17/15 01:47	B
EPA 8260	cis-1,2-Dichloroethene	3.3	ug/L	1.0	07/17/15 01:47	
EPA 8260	Vinyl chloride	12.4	ug/L	1.0	07/17/15 01:47	
92258453016	**SEEP #2**					
EPA 8260	1,2-Dichloroethane	0.15J	ug/L	1.0	07/17/15 02:04	B
EPA 8260	1,1-Dichloroethene	0.96J	ug/L	1.0	07/17/15 02:04	
EPA 8260	cis-1,2-Dichloroethene	13.4	ug/L	1.0	07/17/15 02:04	
EPA 8260	Trichloroethene	1.0	ug/L	1.0	07/17/15 02:04	

Pace Analytical Services, Inc.
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SUMMARY OF DETECTION

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92258453017	**MB #3**					
EPA 8260	1,2-Dichloroethane	0.15J	ug/L	1.0	07/17/15 02:21	B
92258453018	**MB #5**					
EPA 8260	1,2-Dichloroethane	0.15J	ug/L	1.0	07/17/15 02:38	B
92258453021	**TB-1**					
EPA 8260	Methylene Chloride	1.1J	ug/L	2.0	07/16/15 06:40	C9
EPA 8260	Naphthalene	2.7	ug/L	1.0	07/16/15 06:40	
92258453022	**TK PURGE WATER**					
EPA 6010	Barium	27.0	ug/L	5.0	07/22/15 03:08	
EPA 6010	Chromium	10.0	ug/L	5.0	07/22/15 03:08	
EPA 6010	Lead	33.0	ug/L	5.0	07/22/15 03:08	
EPA 8260	Benzene	1.0J	ug/L	2.0	07/18/15 05:53	
EPA 8260	Bromomethane	6.6	ug/L	4.0	07/18/15 05:53	
EPA 8260	1,2-Dichloroethane	0.39J	ug/L	2.0	07/18/15 05:53	B
EPA 8260	1,1-Dichloroethene	2.6	ug/L	2.0	07/18/15 05:53	
EPA 8260	cis-1,2-Dichloroethene	106	ug/L	2.0	07/18/15 05:53	
EPA 8260	Methylene Chloride	2.4J	ug/L	4.0	07/18/15 05:53	
EPA 8260	Trichloroethene	199	ug/L	2.0	07/18/15 05:53	
EPA 8260	Vinyl chloride	8.1	ug/L	2.0	07/18/15 05:53	

Pace Analytical Services, Inc.
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(704)875-9092

PROJECT NARRATIVE

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Method: **EPA 6010**
Description: 6010 MET ICP
Client: Amec Foster Wheeler, Georgia
Date: July 24, 2015

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 3010 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.

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.

Additional Comments:

Pace Analytical Services, Inc.
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PROJECT NARRATIVE

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Method: **EPA 7470**
Description: 7470 Mercury
Client: Amec Foster Wheeler, Georgia
Date: July 24, 2015

General Information:
1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

Sample Preparation:
The samples were prepared in accordance with EPA 7470 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.

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.

Additional Comments:

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PROJECT NARRATIVE

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Method: **EPA 8260**
Description: 8260 MSV Low Level
Client: Amec Foster Wheeler, Georgia
Date: July 24, 2015

General Information:
22 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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/32572

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

- LCS (Lab ID: 1509094)
  - 1,4-Dioxane (p-Dioxane)

QC Batch: MSV/32607

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

- LCS (Lab ID: 1511366)
  - 1,4-Dioxane (p-Dioxane)

QC Batch: MSV/32630

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

- LCS (Lab ID: 1512487)
  - 1,4-Dioxane (p-Dioxane)

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

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PROJECT NARRATIVE

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Method: **EPA 8260**
Description: 8260 MSV Low Level
Client: Amec Foster Wheeler, Georgia
Date: July 24, 2015

QC Batch: MSV/32607

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92258706001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1511369)
  - 1,4-Dioxane (p-Dioxane)

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1511369)
  - Bromomethane

QC Batch: MSV/32630

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92258519001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 1512488)
  - 1,4-Dioxane (p-Dioxane)

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1512488)
  - 1,1-Dichloroethane
  - 1,1-Dichloropropene
  - Bromochloromethane
  - Methylene Chloride
  - Vinyl chloride
  - trans-1,2-Dichloroethene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/32572

C9: Common Laboratory Contaminant.

- TB-1 (Lab ID: 92258453021)
  - Methylene Chloride

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PROJECT NARRATIVE

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Method: **EPA 8260B Mod.**
Description: 8260 MSV SIM
Client: Amec Foster Wheeler, Georgia
Date: July 24, 2015

General Information:
9 samples were analyzed for EPA 8260B Mod.. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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/32638

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92258453004

R1: RPD value was outside control limits.

- MSD (Lab ID: 1513183)
  - 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
Pace Project No.: 92258453

Sample: MW-3 **Lab ID: 92258453001** Collected: 07/08/15 14:58 Received: 07/14/15 10:20 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		07/16/15 06:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 06:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 06:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 06:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 06:57	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 06:57	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 06:57	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 06:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 06:57	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 06:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 06:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 06:57	75-00-3	
Chloroform	**4.0**	ug/L	1.0	0.14	1		07/16/15 06:57	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/16/15 06:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 06:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 06:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 06:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 06:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 06:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 06:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 06:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 06:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 06:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 06:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 06:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 06:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/16/15 06:57	75-35-4	
cis-1,2-Dichloroethene	**0.20J**	ug/L	1.0	0.19	1		07/16/15 06:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 06:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 06:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 06:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 06:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 06:57	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/16/15 06:57	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 06:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 06:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 06:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 06:57	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/16/15 06:57	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/16/15 06:57	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 06:57	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 06:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 06:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 06:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 06:57	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/16/15 06:57	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-3 **Lab ID: 92258453001** Collected: 07/08/15 14:58 Received: 07/14/15 10:20 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		07/16/15 06:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 06:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 06:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 06:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/16/15 06:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 06:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 06:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 06:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 06:57	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/16/15 06:57	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 06:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 06:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		07/16/15 06:57	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		07/16/15 06:57	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		07/16/15 06:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-10 **Lab ID: 92258453002** Collected: 07/09/15 12:48 Received: 07/14/15 10:20 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		07/16/15 07:14	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 07:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 07:14	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 07:14	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 07:14	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 07:14	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 07:14	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 07:14	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 07:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 07:14	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 07:14	75-00-3	
Chloroform	**1.4**	ug/L	1.0	0.14	1		07/16/15 07:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/16/15 07:14	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 07:14	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 07:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 07:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 07:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 07:14	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 07:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 07:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 07:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 07:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 07:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 07:14	107-06-2	
1,1-Dichloroethene	**0.83J**	ug/L	1.0	0.56	1		07/16/15 07:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		07/16/15 07:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 07:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 07:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 07:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 07:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 07:14	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/16/15 07:14	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 07:14	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 07:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 07:14	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/16/15 07:14	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/16/15 07:14	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 07:14	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 07:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 07:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 07:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 07:14	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/16/15 07:14	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-10 **Lab ID: 92258453002** Collected: 07/09/15 12:48 Received: 07/14/15 10:20 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		07/16/15 07:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 07:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 07:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 07:14	79-00-5	
Trichloroethene	**1.6**	ug/L	1.0	0.47	1		07/16/15 07:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 07:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 07:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 07:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 07:14	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/16/15 07:14	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 07:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 07:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		07/16/15 07:14	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		07/16/15 07:14	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		07/16/15 07:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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(704)875-9092

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-22 **Lab ID: 92258453003** Collected: 07/09/15 15:00 Received: 07/14/15 10:20 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		07/16/15 07:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 07:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 07:31	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 07:31	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 07:31	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 07:31	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 07:31	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 07:31	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 07:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 07:31	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 07:31	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/16/15 07:31	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/16/15 07:31	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 07:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 07:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 07:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 07:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 07:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 07:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 07:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 07:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 07:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 07:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 07:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/16/15 07:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		07/16/15 07:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 07:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 07:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 07:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 07:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 07:31	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/16/15 07:31	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 07:31	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 07:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 07:31	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/16/15 07:31	75-09-2	
Naphthalene	**2.8**	ug/L	1.0	0.24	1		07/16/15 07:31	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 07:31	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 07:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 07:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 07:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 07:31	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/16/15 07:31	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-22 **Lab ID: 92258453003** Collected: 07/09/15 15:00 Received: 07/14/15 10:20 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		07/16/15 07:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 07:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 07:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 07:31	79-00-5	
Trichloroethene	**1.2**	ug/L	1.0	0.47	1		07/16/15 07:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 07:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 07:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 07:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 07:31	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/16/15 07:31	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 07:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 07:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/16/15 07:31	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		07/16/15 07:31	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		07/16/15 07:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-5 **Lab ID: 92258453004** Collected: 07/08/15 16:10 Received: 07/14/15 10:20 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	4.0	1.0	4		07/18/15 05:18	71-43-2	
Bromobenzene	ND	ug/L	4.0	1.2	4		07/18/15 05:18	108-86-1	
Bromochloromethane	ND	ug/L	4.0	0.68	4		07/18/15 05:18	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	0.72	4		07/18/15 05:18	75-27-4	
Bromoform	ND	ug/L	4.0	1.0	4		07/18/15 05:18	75-25-2	
Bromomethane	ND	ug/L	8.0	1.2	4		07/18/15 05:18	74-83-9	
n-Butylbenzene	ND	ug/L	4.0	1.6	4		07/18/15 05:18	104-51-8	
sec-Butylbenzene	ND	ug/L	4.0	1.5	4		07/18/15 05:18	135-98-8	
tert-Butylbenzene	ND	ug/L	4.0	1.6	4		07/18/15 05:18	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1.0	4		07/18/15 05:18	56-23-5	
Chlorobenzene	ND	ug/L	4.0	0.92	4		07/18/15 05:18	108-90-7	
Chloroethane	ND	ug/L	4.0	2.2	4		07/18/15 05:18	75-00-3	
Chloroform	**2.3J**	ug/L	4.0	0.56	4		07/18/15 05:18	67-66-3	
Chloromethane	ND	ug/L	4.0	0.44	4		07/18/15 05:18	74-87-3	
2-Chlorotoluene	ND	ug/L	4.0	1.4	4		07/18/15 05:18	95-49-8	
4-Chlorotoluene	ND	ug/L	4.0	1.2	4		07/18/15 05:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	8.0	4		07/18/15 05:18	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	0.84	4		07/18/15 05:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	4.0	1.1	4		07/18/15 05:18	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.84	4		07/18/15 05:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	4.0	1.2	4		07/18/15 05:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	0.96	4		07/18/15 05:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	1.3	4		07/18/15 05:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	4.0	0.84	4		07/18/15 05:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	4.0	1.3	4		07/18/15 05:18	75-34-3	
1,2-Dichloroethane	**0.59J**	ug/L	4.0	0.48	4		07/18/15 05:18	107-06-2	B
1,1-Dichloroethene	ND	ug/L	4.0	2.2	4		07/18/15 05:18	75-35-4	
cis-1,2-Dichloroethene	**1.3J**	ug/L	4.0	0.76	4		07/18/15 05:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	2.0	4		07/18/15 05:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1.1	4		07/18/15 05:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	4.0	1.1	4		07/18/15 05:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.52	4		07/18/15 05:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	4.0	2.0	4		07/18/15 05:18	563-58-6	
Ethylbenzene	ND	ug/L	4.0	1.2	4		07/18/15 05:18	100-41-4	
Hexachloro-1,3-butadiene	**5.3**	ug/L	4.0	2.8	4		07/18/15 05:18	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	4.0	1.6	4		07/18/15 05:18	98-82-8	
p-Isopropyltoluene	ND	ug/L	4.0	1.2	4		07/18/15 05:18	99-87-6	
Methylene Chloride	**10.4**	ug/L	8.0	3.9	4		07/18/15 05:18	75-09-2	
Naphthalene	ND	ug/L	4.0	0.96	4		07/18/15 05:18	91-20-3	
n-Propylbenzene	ND	ug/L	4.0	1.7	4		07/18/15 05:18	103-65-1	
Styrene	ND	ug/L	4.0	1.0	4		07/18/15 05:18	100-42-5	
1,1,1,2-Tetrachloroethane	**1.4J**	ug/L	4.0	1.3	4		07/18/15 05:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	1.6	4		07/18/15 05:18	79-34-5	
Tetrachloroethene	**2.4J**	ug/L	4.0	1.8	4		07/18/15 05:18	127-18-4	
Toluene	ND	ug/L	4.0	1.0	4		07/18/15 05:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	1.3	4		07/18/15 05:18	87-61-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-5 **Lab ID: 92258453004** Collected: 07/08/15 16:10 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1.4	4		07/18/15 05:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	4.0	1.9	4		07/18/15 05:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1.2	4		07/18/15 05:18	79-00-5	
Trichloroethene	**354**	ug/L	4.0	1.9	4		07/18/15 05:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	0.80	4		07/18/15 05:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1.6	4		07/18/15 05:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	4.0	1.2	4		07/18/15 05:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	4.0	1.4	4		07/18/15 05:18	108-67-8	
Vinyl chloride	ND	ug/L	4.0	2.5	4		07/18/15 05:18	75-01-4	
m&p-Xylene	ND	ug/L	8.0	2.6	4		07/18/15 05:18	179601-23-1	
o-Xylene	ND	ug/L	4.0	0.92	4		07/18/15 05:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		4		07/18/15 05:18	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-130		4		07/18/15 05:18	17060-07-0	
Toluene-d8 (S)	101	%	70-130		4		07/18/15 05:18	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		07/20/15 13:02	123-91-1	R1
Surrogates									
1,2-Dichloroethane-d4 (S)	109	%	50-150		1		07/20/15 13:02	17060-07-0	
Toluene-d8 (S)	96	%	50-150		1		07/20/15 13:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-14 **Lab ID: 92258453005** Collected: 07/08/15 11:10 Received: 07/14/15 10:20 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	20.0	5.0	20		07/17/15 06:51	71-43-2	
Bromobenzene	ND	ug/L	20.0	6.0	20		07/17/15 06:51	108-86-1	
Bromochloromethane	ND	ug/L	20.0	3.4	20		07/17/15 06:51	74-97-5	
Bromodichloromethane	ND	ug/L	20.0	3.6	20		07/17/15 06:51	75-27-4	
Bromoform	ND	ug/L	20.0	5.2	20		07/17/15 06:51	75-25-2	
Bromomethane	ND	ug/L	40.0	5.8	20		07/17/15 06:51	74-83-9	
n-Butylbenzene	ND	ug/L	20.0	8.2	20		07/17/15 06:51	104-51-8	
sec-Butylbenzene	ND	ug/L	20.0	7.6	20		07/17/15 06:51	135-98-8	
tert-Butylbenzene	ND	ug/L	20.0	8.0	20		07/17/15 06:51	98-06-6	
Carbon tetrachloride	ND	ug/L	20.0	5.0	20		07/17/15 06:51	56-23-5	
Chlorobenzene	ND	ug/L	20.0	4.6	20		07/17/15 06:51	108-90-7	
Chloroethane	ND	ug/L	20.0	10.8	20		07/17/15 06:51	75-00-3	
Chloroform	ND	ug/L	20.0	2.8	20		07/17/15 06:51	67-66-3	
Chloromethane	ND	ug/L	20.0	2.2	20		07/17/15 06:51	74-87-3	
2-Chlorotoluene	ND	ug/L	20.0	7.0	20		07/17/15 06:51	95-49-8	
4-Chlorotoluene	ND	ug/L	20.0	6.2	20		07/17/15 06:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	40.0	20		07/17/15 06:51	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	4.2	20		07/17/15 06:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	20.0	5.4	20		07/17/15 06:51	106-93-4	
Dibromomethane	ND	ug/L	20.0	4.2	20		07/17/15 06:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	20.0	6.0	20		07/17/15 06:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	20.0	4.8	20		07/17/15 06:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	20.0	6.6	20		07/17/15 06:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	20.0	4.2	20		07/17/15 06:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	20.0	6.4	20		07/17/15 06:51	75-34-3	
1,2-Dichloroethane	**2.7J**	ug/L	20.0	2.4	20		07/17/15 06:51	107-06-2	B
1,1-Dichloroethene	**44.4**	ug/L	20.0	11.2	20		07/17/15 06:51	75-35-4	
cis-1,2-Dichloroethene	**222**	ug/L	20.0	3.8	20		07/17/15 06:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	20.0	9.8	20		07/17/15 06:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	20.0	5.4	20		07/17/15 06:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	20.0	5.6	20		07/17/15 06:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	2.6	20		07/17/15 06:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	20.0	9.8	20		07/17/15 06:51	563-58-6	
Ethylbenzene	ND	ug/L	20.0	6.0	20		07/17/15 06:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	14.2	20		07/17/15 06:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	20.0	8.0	20		07/17/15 06:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	20.0	6.2	20		07/17/15 06:51	99-87-6	
Methylene Chloride	**44.6**	ug/L	40.0	19.4	20		07/17/15 06:51	75-09-2	
Naphthalene	ND	ug/L	20.0	4.8	20		07/17/15 06:51	91-20-3	
n-Propylbenzene	ND	ug/L	20.0	8.4	20		07/17/15 06:51	103-65-1	
Styrene	ND	ug/L	20.0	5.2	20		07/17/15 06:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	20.0	6.6	20		07/17/15 06:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	20.0	8.0	20		07/17/15 06:51	79-34-5	
Tetrachloroethene	ND	ug/L	20.0	9.2	20		07/17/15 06:51	127-18-4	
Toluene	ND	ug/L	20.0	5.2	20		07/17/15 06:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	6.6	20		07/17/15 06:51	87-61-6	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-14 **Lab ID: 92258453005** Collected: 07/08/15 11:10 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	20.0	7.0	20		07/17/15 06:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	20.0	9.6	20		07/17/15 06:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	20.0	5.8	20		07/17/15 06:51	79-00-5	
Trichloroethene	**1730**	ug/L	20.0	9.4	20		07/17/15 06:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	4.0	20		07/17/15 06:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	20.0	8.2	20		07/17/15 06:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	20.0	6.2	20		07/17/15 06:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	20.0	7.2	20		07/17/15 06:51	108-67-8	
Vinyl chloride	ND	ug/L	20.0	12.4	20		07/17/15 06:51	75-01-4	
m&p-Xylene	ND	ug/L	40.0	13.2	20		07/17/15 06:51	179601-23-1	
o-Xylene	ND	ug/L	20.0	4.6	20		07/17/15 06:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		20		07/17/15 06:51	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		20		07/17/15 06:51	17060-07-0	
Toluene-d8 (S)	98	%	70-130		20		07/17/15 06:51	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	8.0	7.6	4		07/20/15 14:04	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	50-150		4		07/20/15 14:04	17060-07-0	
Toluene-d8 (S)	98	%	50-150		4		07/20/15 14:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-19 **Lab ID: 92258453006** Collected: 07/08/15 13:35 Received: 07/14/15 10:20 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	25.0	6.2	25		07/17/15 07:08	71-43-2	
Bromobenzene	ND	ug/L	25.0	7.5	25		07/17/15 07:08	108-86-1	
Bromochloromethane	ND	ug/L	25.0	4.2	25		07/17/15 07:08	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	4.5	25		07/17/15 07:08	75-27-4	
Bromoform	ND	ug/L	25.0	6.5	25		07/17/15 07:08	75-25-2	
Bromomethane	ND	ug/L	50.0	7.2	25		07/17/15 07:08	74-83-9	
n-Butylbenzene	ND	ug/L	25.0	10.2	25		07/17/15 07:08	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	9.5	25		07/17/15 07:08	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	10.0	25		07/17/15 07:08	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	6.2	25		07/17/15 07:08	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5.8	25		07/17/15 07:08	108-90-7	
Chloroethane	ND	ug/L	25.0	13.5	25		07/17/15 07:08	75-00-3	
Chloroform	ND	ug/L	25.0	3.5	25		07/17/15 07:08	67-66-3	
Chloromethane	ND	ug/L	25.0	2.8	25		07/17/15 07:08	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	8.8	25		07/17/15 07:08	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	7.8	25		07/17/15 07:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	50.0	25		07/17/15 07:08	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	5.2	25		07/17/15 07:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	6.8	25		07/17/15 07:08	106-93-4	
Dibromomethane	ND	ug/L	25.0	5.2	25		07/17/15 07:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	7.5	25		07/17/15 07:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	6.0	25		07/17/15 07:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	8.2	25		07/17/15 07:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	5.2	25		07/17/15 07:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	8.0	25		07/17/15 07:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	3.0	25		07/17/15 07:08	107-06-2	
1,1-Dichloroethene	**32.3**	ug/L	25.0	14.0	25		07/17/15 07:08	75-35-4	
cis-1,2-Dichloroethene	**20.4J**	ug/L	25.0	4.8	25		07/17/15 07:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	12.2	25		07/17/15 07:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	6.8	25		07/17/15 07:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	7.0	25		07/17/15 07:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	3.2	25		07/17/15 07:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	12.2	25		07/17/15 07:08	563-58-6	
Ethylbenzene	ND	ug/L	25.0	7.5	25		07/17/15 07:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	17.8	25		07/17/15 07:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	10.0	25		07/17/15 07:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	25.0	7.8	25		07/17/15 07:08	99-87-6	
Methylene Chloride	**53.3**	ug/L	50.0	24.2	25		07/17/15 07:08	75-09-2	
Naphthalene	ND	ug/L	25.0	6.0	25		07/17/15 07:08	91-20-3	
n-Propylbenzene	ND	ug/L	25.0	10.5	25		07/17/15 07:08	103-65-1	
Styrene	ND	ug/L	25.0	6.5	25		07/17/15 07:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	8.2	25		07/17/15 07:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	10.0	25		07/17/15 07:08	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	11.5	25		07/17/15 07:08	127-18-4	
Toluene	ND	ug/L	25.0	6.5	25		07/17/15 07:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	8.2	25		07/17/15 07:08	87-61-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-19 **Lab ID: 92258453006** Collected: 07/08/15 13:35 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	25.0	8.8	25		07/17/15 07:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	12.0	25		07/17/15 07:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	7.2	25		07/17/15 07:08	79-00-5	
Trichloroethene	**1760**	ug/L	25.0	11.8	25		07/17/15 07:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	5.0	25		07/17/15 07:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	10.2	25		07/17/15 07:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	25.0	7.8	25		07/17/15 07:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	9.0	25		07/17/15 07:08	108-67-8	
Vinyl chloride	ND	ug/L	25.0	15.5	25		07/17/15 07:08	75-01-4	
m&p-Xylene	ND	ug/L	50.0	16.5	25		07/17/15 07:08	179601-23-1	
o-Xylene	ND	ug/L	25.0	5.8	25		07/17/15 07:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		25		07/17/15 07:08	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		25		07/17/15 07:08	17060-07-0	
Toluene-d8 (S)	102	%	70-130		25		07/17/15 07:08	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	10.0	9.5	5		07/20/15 14:25	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	119	%	50-150		5		07/20/15 14:25	17060-07-0	
Toluene-d8 (S)	96	%	50-150		5		07/20/15 14:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-20 **Lab ID: 92258453007** Collected: 07/08/15 13:13 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	**0.37J**	ug/L	1.0	0.25	1		07/16/15 07:48	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:48	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 07:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 07:48	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 07:48	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 07:48	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 07:48	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 07:48	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 07:48	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 07:48	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 07:48	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 07:48	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/16/15 07:48	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/16/15 07:48	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 07:48	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 07:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 07:48	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 07:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 07:48	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 07:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 07:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 07:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 07:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 07:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 07:48	107-06-2	
1,1-Dichloroethene	**8.9**	ug/L	1.0	0.56	1		07/16/15 07:48	75-35-4	
cis-1,2-Dichloroethene	**407**	ug/L	5.0	0.95	5		07/16/15 11:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 07:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 07:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 07:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 07:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 07:48	563-58-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 07:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 07:48	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 07:48	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 07:48	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/16/15 07:48	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/16/15 07:48	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 07:48	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 07:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 07:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 07:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 07:48	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/16/15 07:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 07:48	87-61-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-20 **Lab ID: 92258453007** Collected: 07/08/15 13:13 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 07:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 07:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 07:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/16/15 07:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 07:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 07:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 07:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 07:48	108-67-8	
Vinyl chloride	**4.7**	ug/L	1.0	0.62	1		07/16/15 07:48	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 07:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 07:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		1		07/16/15 07:48	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		07/16/15 07:48	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		07/16/15 07:48	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	12.0	11.4	6		07/20/15 14:46	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%	50-150		6		07/20/15 14:46	17060-07-0	
Toluene-d8 (S)	97	%	50-150		6		07/20/15 14:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-25 **Lab ID: 92258453008** Collected: 07/09/15 11:30 Received: 07/14/15 10:20 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		07/17/15 07:25	71-43-2	
Bromobenzene	ND	ug/L	10.0	3.0	10		07/17/15 07:25	108-86-1	
Bromochloromethane	ND	ug/L	10.0	1.7	10		07/17/15 07:25	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	1.8	10		07/17/15 07:25	75-27-4	
Bromoform	ND	ug/L	10.0	2.6	10		07/17/15 07:25	75-25-2	
Bromomethane	ND	ug/L	20.0	2.9	10		07/17/15 07:25	74-83-9	
n-Butylbenzene	ND	ug/L	10.0	4.1	10		07/17/15 07:25	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	3.8	10		07/17/15 07:25	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	4.0	10		07/17/15 07:25	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	2.5	10		07/17/15 07:25	56-23-5	
Chlorobenzene	ND	ug/L	10.0	2.3	10		07/17/15 07:25	108-90-7	
Chloroethane	ND	ug/L	10.0	5.4	10		07/17/15 07:25	75-00-3	
Chloroform	ND	ug/L	10.0	1.4	10		07/17/15 07:25	67-66-3	
Chloromethane	ND	ug/L	10.0	1.1	10		07/17/15 07:25	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	3.5	10		07/17/15 07:25	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	3.1	10		07/17/15 07:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	20.0	10		07/17/15 07:25	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	2.1	10		07/17/15 07:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	2.7	10		07/17/15 07:25	106-93-4	
Dibromomethane	ND	ug/L	10.0	2.1	10		07/17/15 07:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	3.0	10		07/17/15 07:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	2.4	10		07/17/15 07:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	3.3	10		07/17/15 07:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	2.1	10		07/17/15 07:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	3.2	10		07/17/15 07:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	1.2	10		07/17/15 07:25	107-06-2	
1,1-Dichloroethene	**22.8**	ug/L	10.0	5.6	10		07/17/15 07:25	75-35-4	
cis-1,2-Dichloroethene	**748**	ug/L	10.0	1.9	10		07/17/15 07:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	4.9	10		07/17/15 07:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	2.7	10		07/17/15 07:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	2.8	10		07/17/15 07:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	1.3	10		07/17/15 07:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	4.9	10		07/17/15 07:25	563-58-6	
Ethylbenzene	ND	ug/L	10.0	3.0	10		07/17/15 07:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.1	10		07/17/15 07:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	4.0	10		07/17/15 07:25	98-82-8	
p-Isopropyltoluene	ND	ug/L	10.0	3.1	10		07/17/15 07:25	99-87-6	
Methylene Chloride	**15.4J**	ug/L	20.0	9.7	10		07/17/15 07:25	75-09-2	
Naphthalene	ND	ug/L	10.0	2.4	10		07/17/15 07:25	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	4.2	10		07/17/15 07:25	103-65-1	
Styrene	ND	ug/L	10.0	2.6	10		07/17/15 07:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	3.3	10		07/17/15 07:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	4.0	10		07/17/15 07:25	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	4.6	10		07/17/15 07:25	127-18-4	
Toluene	ND	ug/L	10.0	2.6	10		07/17/15 07:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	3.3	10		07/17/15 07:25	87-61-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-25 **Lab ID: 92258453008** Collected: 07/09/15 11:30 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	10.0	3.5	10		07/17/15 07:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	4.8	10		07/17/15 07:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	2.9	10		07/17/15 07:25	79-00-5	
Trichloroethene	**2290**	ug/L	25.0	11.8	25		07/18/15 10:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	2.0	10		07/17/15 07:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	4.1	10		07/17/15 07:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	10.0	3.1	10		07/17/15 07:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	10.0	3.6	10		07/17/15 07:25	108-67-8	
Vinyl chloride	**23.6**	ug/L	10.0	6.2	10		07/17/15 07:25	75-01-4	
m&p-Xylene	ND	ug/L	20.0	6.6	10		07/17/15 07:25	179601-23-1	
o-Xylene	ND	ug/L	10.0	2.3	10		07/17/15 07:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		10		07/17/15 07:25	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		10		07/17/15 07:25	17060-07-0	
Toluene-d8 (S)	98	%	70-130		10		07/17/15 07:25	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	14.0	13.3	7		07/20/15 15:07	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	107	%	50-150		7		07/20/15 15:07	17060-07-0	
Toluene-d8 (S)	96	%	50-150		7		07/20/15 15:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-27 **Lab ID: 92258453009** Collected: 07/08/15 16:38 Received: 07/14/15 10:20 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		07/16/15 08:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 08:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 08:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 08:05	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 08:05	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 08:05	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 08:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 08:05	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 08:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 08:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 08:05	75-00-3	
Chloroform	**0.28J**	ug/L	1.0	0.14	1		07/16/15 08:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/16/15 08:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 08:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 08:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 08:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 08:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 08:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 08:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 08:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 08:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 08:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 08:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 08:05	107-06-2	
1,1-Dichloroethene	**1.2**	ug/L	1.0	0.56	1		07/16/15 08:05	75-35-4	
cis-1,2-Dichloroethene	**6.2**	ug/L	1.0	0.19	1		07/16/15 08:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 08:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 08:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 08:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 08:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 08:05	563-58-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 08:05	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 08:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 08:05	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/16/15 08:05	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/16/15 08:05	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 08:05	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 08:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 08:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 08:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 08:05	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/16/15 08:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 08:05	87-61-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-27 **Lab ID: 92258453009** Collected: 07/08/15 16:38 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 08:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 08:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 08:05	79-00-5	
Trichloroethene	**17.0**	ug/L	1.0	0.47	1		07/16/15 08:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 08:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 08:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 08:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 08:05	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/16/15 08:05	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 08:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 08:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/16/15 08:05	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		07/16/15 08:05	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		07/16/15 08:05	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	16.0	15.2	8		07/20/15 15:27	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	118	%	50-150		8		07/20/15 15:27	17060-07-0	
Toluene-d8 (S)	95	%	50-150		8		07/20/15 15:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-28 **Lab ID: 92258453010** Collected: 07/08/15 17:12 Received: 07/14/15 10:20 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		07/16/15 08:23	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:23	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 08:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 08:23	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 08:23	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 08:23	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 08:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 08:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 08:23	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 08:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 08:23	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 08:23	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/16/15 08:23	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/16/15 08:23	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 08:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 08:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 08:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 08:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 08:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 08:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 08:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 08:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 08:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 08:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 08:23	107-06-2	
1,1-Dichloroethene	**3.6**	ug/L	1.0	0.56	1		07/16/15 08:23	75-35-4	
cis-1,2-Dichloroethene	**23.5**	ug/L	1.0	0.19	1		07/16/15 08:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 08:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 08:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 08:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 08:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 08:23	563-58-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 08:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 08:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 08:23	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/16/15 08:23	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/16/15 08:23	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 08:23	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 08:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 08:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 08:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 08:23	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/16/15 08:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 08:23	87-61-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MW-28 **Lab ID: 92258453010** Collected: 07/08/15 17:12 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 08:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 08:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 08:23	79-00-5	
Trichloroethene	**5.5**	ug/L	1.0	0.47	1		07/16/15 08:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 08:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 08:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 08:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 08:23	108-67-8	
Vinyl chloride	**1.0**	ug/L	1.0	0.62	1		07/16/15 08:23	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 08:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 08:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/16/15 08:23	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		07/16/15 08:23	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/16/15 08:23	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	18.0	17.1	9		07/20/15 15:48	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	116	%	50-150		9		07/20/15 15:48	17060-07-0	
Toluene-d8 (S)	95	%	50-150		9		07/20/15 15:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: DUP-1 **Lab ID: 92258453011** Collected: 07/08/15 12:00 Received: 07/14/15 10:20 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	4.0	1.0	4		07/18/15 05:35	71-43-2	
Bromobenzene	ND	ug/L	4.0	1.2	4		07/18/15 05:35	108-86-1	
Bromochloromethane	ND	ug/L	4.0	0.68	4		07/18/15 05:35	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	0.72	4		07/18/15 05:35	75-27-4	
Bromoform	ND	ug/L	4.0	1.0	4		07/18/15 05:35	75-25-2	
Bromomethane	ND	ug/L	8.0	1.2	4		07/18/15 05:35	74-83-9	
n-Butylbenzene	ND	ug/L	4.0	1.6	4		07/18/15 05:35	104-51-8	
sec-Butylbenzene	ND	ug/L	4.0	1.5	4		07/18/15 05:35	135-98-8	
tert-Butylbenzene	ND	ug/L	4.0	1.6	4		07/18/15 05:35	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1.0	4		07/18/15 05:35	56-23-5	
Chlorobenzene	ND	ug/L	4.0	0.92	4		07/18/15 05:35	108-90-7	
Chloroethane	ND	ug/L	4.0	2.2	4		07/18/15 05:35	75-00-3	
Chloroform	**2.2J**	ug/L	4.0	0.56	4		07/18/15 05:35	67-66-3	
Chloromethane	ND	ug/L	4.0	0.44	4		07/18/15 05:35	74-87-3	
2-Chlorotoluene	ND	ug/L	4.0	1.4	4		07/18/15 05:35	95-49-8	
4-Chlorotoluene	ND	ug/L	4.0	1.2	4		07/18/15 05:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	8.0	4		07/18/15 05:35	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	0.84	4		07/18/15 05:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	4.0	1.1	4		07/18/15 05:35	106-93-4	
Dibromomethane	ND	ug/L	4.0	0.84	4		07/18/15 05:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	4.0	1.2	4		07/18/15 05:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	4.0	0.96	4		07/18/15 05:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	4.0	1.3	4		07/18/15 05:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	4.0	0.84	4		07/18/15 05:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	4.0	1.3	4		07/18/15 05:35	75-34-3	
1,2-Dichloroethane	**0.63J**	ug/L	4.0	0.48	4		07/18/15 05:35	107-06-2	B
1,1-Dichloroethene	ND	ug/L	4.0	2.2	4		07/18/15 05:35	75-35-4	
cis-1,2-Dichloroethene	**1.6J**	ug/L	4.0	0.76	4		07/18/15 05:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	2.0	4		07/18/15 05:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	4.0	1.1	4		07/18/15 05:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	4.0	1.1	4		07/18/15 05:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	0.52	4		07/18/15 05:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	4.0	2.0	4		07/18/15 05:35	563-58-6	
Ethylbenzene	ND	ug/L	4.0	1.2	4		07/18/15 05:35	100-41-4	
Hexachloro-1,3-butadiene	**6.6**	ug/L	4.0	2.8	4		07/18/15 05:35	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	4.0	1.6	4		07/18/15 05:35	98-82-8	
p-Isopropyltoluene	ND	ug/L	4.0	1.2	4		07/18/15 05:35	99-87-6	
Methylene Chloride	**5.7J**	ug/L	8.0	3.9	4		07/18/15 05:35	75-09-2	
Naphthalene	ND	ug/L	4.0	0.96	4		07/18/15 05:35	91-20-3	
n-Propylbenzene	ND	ug/L	4.0	1.7	4		07/18/15 05:35	103-65-1	
Styrene	ND	ug/L	4.0	1.0	4		07/18/15 05:35	100-42-5	
1,1,1,2-Tetrachloroethane	**1.4J**	ug/L	4.0	1.3	4		07/18/15 05:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	4.0	1.6	4		07/18/15 05:35	79-34-5	
Tetrachloroethene	ND	ug/L	4.0	1.8	4		07/18/15 05:35	127-18-4	
Toluene	ND	ug/L	4.0	1.0	4		07/18/15 05:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	4.0	1.3	4		07/18/15 05:35	87-61-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: DUP-1 **Lab ID: 92258453011** Collected: 07/08/15 12:00 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	4.0	1.4	4		07/18/15 05:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	4.0	1.9	4		07/18/15 05:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1.2	4		07/18/15 05:35	79-00-5	
Trichloroethene	**352**	ug/L	4.0	1.9	4		07/18/15 05:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	0.80	4		07/18/15 05:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1.6	4		07/18/15 05:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	4.0	1.2	4		07/18/15 05:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	4.0	1.4	4		07/18/15 05:35	108-67-8	
Vinyl chloride	ND	ug/L	4.0	2.5	4		07/18/15 05:35	75-01-4	
m&p-Xylene	ND	ug/L	8.0	2.6	4		07/18/15 05:35	179601-23-1	
o-Xylene	ND	ug/L	4.0	0.92	4		07/18/15 05:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		4		07/18/15 05:35	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		4		07/18/15 05:35	17060-07-0	
Toluene-d8 (S)	101	%	70-130		4		07/18/15 05:35	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		07/20/15 16:09	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	121	%	50-150		1		07/20/15 16:09	17060-07-0	
Toluene-d8 (S)	96	%	50-150		1		07/20/15 16:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: EB-1 **Lab ID: 92258453012** Collected: 07/09/15 09:00 Received: 07/14/15 10:20 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		07/16/15 08:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 08:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 08:40	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 08:40	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 08:40	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 08:40	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 08:40	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 08:40	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 08:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 08:40	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 08:40	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/16/15 08:40	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/16/15 08:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 08:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 08:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 08:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 08:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 08:40	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 08:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 08:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 08:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 08:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 08:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 08:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/16/15 08:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		07/16/15 08:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 08:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 08:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 08:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 08:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 08:40	563-58-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 08:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 08:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 08:40	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/16/15 08:40	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/16/15 08:40	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 08:40	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 08:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 08:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 08:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 08:40	127-18-4	
Toluene	**0.98J**	ug/L	1.0	0.26	1		07/16/15 08:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 08:40	87-61-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: EB-1 **Lab ID: 92258453012** Collected: 07/09/15 09:00 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 08:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 08:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 08:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/16/15 08:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 08:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 08:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 08:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 08:40	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/16/15 08:40	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 08:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 08:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		07/16/15 08:40	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		07/16/15 08:40	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		07/16/15 08:40	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.								
1,4-Dioxane (p-Dioxane)	ND	ug/L	2.0	1.9	1		07/20/15 16:30	123-91-1	
Surrogates									
1,2-Dichloroethane-d4 (S)	116	%	50-150		1		07/20/15 16:30	17060-07-0	
Toluene-d8 (S)	96	%	50-150		1		07/20/15 16:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: SEEP G **Lab ID: 92258453013** Collected: 07/09/15 16:25 Received: 07/14/15 10:20 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		07/16/15 08:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 08:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 08:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 08:57	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 08:57	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 08:57	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 08:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 08:57	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 08:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 08:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 08:57	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/16/15 08:57	67-66-3	
Chloromethane	**0.20J**	ug/L	1.0	0.11	1		07/16/15 08:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 08:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 08:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 08:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 08:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 08:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 08:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 08:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 08:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 08:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 08:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 08:57	107-06-2	
1,1-Dichloroethene	**2.4**	ug/L	1.0	0.56	1		07/16/15 08:57	75-35-4	
cis-1,2-Dichloroethene	**20.2**	ug/L	1.0	0.19	1		07/16/15 08:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 08:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 08:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 08:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 08:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 08:57	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/16/15 08:57	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 08:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 08:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 08:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 08:57	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/16/15 08:57	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/16/15 08:57	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 08:57	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 08:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 08:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 08:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 08:57	127-18-4	
Toluene	**0.46J**	ug/L	1.0	0.26	1		07/16/15 08:57	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: SEEP G **Lab ID: 92258453013** Collected: 07/09/15 16:25 Received: 07/14/15 10:20 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		07/16/15 08:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 08:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 08:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 08:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/16/15 08:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 08:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 08:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 08:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 08:57	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/16/15 08:57	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 08:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 08:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/16/15 08:57	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		07/16/15 08:57	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		07/16/15 08:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: SEEP H **Lab ID: 92258453014** Collected: 07/09/15 16:08 Received: 07/14/15 10:20 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		07/18/15 06:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/18/15 06:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/18/15 06:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/18/15 06:10	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/18/15 06:10	75-25-2	
Bromomethane	**3.4**	ug/L	2.0	0.29	1		07/18/15 06:10	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/18/15 06:10	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/18/15 06:10	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/18/15 06:10	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/18/15 06:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/18/15 06:10	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/18/15 06:10	75-00-3	
Chloroform	**0.75J**	ug/L	1.0	0.14	1		07/18/15 06:10	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/18/15 06:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/18/15 06:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/18/15 06:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/18/15 06:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/18/15 06:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/18/15 06:10	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/18/15 06:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/18/15 06:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/18/15 06:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/18/15 06:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/18/15 06:10	75-71-8	
1,1-Dichloroethane	**0.63J**	ug/L	1.0	0.32	1		07/18/15 06:10	75-34-3	
1,2-Dichloroethane	**0.16J**	ug/L	1.0	0.12	1		07/18/15 06:10	107-06-2	B
1,1-Dichloroethene	**21.2**	ug/L	1.0	0.56	1		07/18/15 06:10	75-35-4	
cis-1,2-Dichloroethene	**75.9**	ug/L	1.0	0.19	1		07/18/15 06:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/18/15 06:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/18/15 06:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/18/15 06:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/18/15 06:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/18/15 06:10	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/18/15 06:10	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/18/15 06:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/18/15 06:10	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/18/15 06:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/18/15 06:10	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/18/15 06:10	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/18/15 06:10	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/18/15 06:10	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/18/15 06:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/18/15 06:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/18/15 06:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/18/15 06:10	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/18/15 06:10	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: SEEP H **Lab ID: 92258453014** Collected: 07/09/15 16:08 Received: 07/14/15 10:20 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		07/18/15 06:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/18/15 06:10	120-82-1	
1,1,1-Trichloroethane	**1.4**	ug/L	1.0	0.48	1		07/18/15 06:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/18/15 06:10	79-00-5	
Trichloroethene	**157**	ug/L	1.0	0.47	1		07/18/15 06:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/18/15 06:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/18/15 06:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/18/15 06:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/18/15 06:10	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/18/15 06:10	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/18/15 06:10	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/18/15 06:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		07/18/15 06:10	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	70-130		1		07/18/15 06:10	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		07/18/15 06:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MANSON BRANCH #2 **Lab ID: 92258453015** Collected: 07/09/15 15:58 Received: 07/14/15 10:20 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		07/17/15 01:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/17/15 01:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/17/15 01:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/17/15 01:47	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/17/15 01:47	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/17/15 01:47	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/17/15 01:47	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/17/15 01:47	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/17/15 01:47	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/17/15 01:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/17/15 01:47	108-90-7	
Chloroethane	**0.55J**	ug/L	1.0	0.54	1		07/17/15 01:47	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/17/15 01:47	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/17/15 01:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/17/15 01:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/17/15 01:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/17/15 01:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/17/15 01:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/17/15 01:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/17/15 01:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/17/15 01:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/17/15 01:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/17/15 01:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/17/15 01:47	75-71-8	
1,1-Dichloroethane	**2.2**	ug/L	1.0	0.32	1		07/17/15 01:47	75-34-3	
1,2-Dichloroethane	**0.55J**	ug/L	1.0	0.12	1		07/17/15 01:47	107-06-2	B
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/17/15 01:47	75-35-4	
cis-1,2-Dichloroethene	**3.3**	ug/L	1.0	0.19	1		07/17/15 01:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/17/15 01:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/17/15 01:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/17/15 01:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/17/15 01:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/17/15 01:47	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/17/15 01:47	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/17/15 01:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/17/15 01:47	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/17/15 01:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/17/15 01:47	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/17/15 01:47	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/17/15 01:47	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/17/15 01:47	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/17/15 01:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/17/15 01:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/17/15 01:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/17/15 01:47	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/17/15 01:47	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MANSON BRANCH #2 **Lab ID: 92258453015** Collected: 07/09/15 15:58 Received: 07/14/15 10:20 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		07/17/15 01:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/17/15 01:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/17/15 01:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/17/15 01:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/17/15 01:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/17/15 01:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/17/15 01:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/17/15 01:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/17/15 01:47	108-67-8	
Vinyl chloride	**12.4**	ug/L	1.0	0.62	1		07/17/15 01:47	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/17/15 01:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/17/15 01:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		07/17/15 01:47	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		07/17/15 01:47	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/17/15 01:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: SEEP #2 **Lab ID: 92258453016** Collected: 07/09/15 16:40 Received: 07/14/15 10:20 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		07/17/15 02:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/17/15 02:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/17/15 02:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/17/15 02:04	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/17/15 02:04	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/17/15 02:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/17/15 02:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/17/15 02:04	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/17/15 02:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/17/15 02:04	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/17/15 02:04	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/17/15 02:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/17/15 02:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/17/15 02:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/17/15 02:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/17/15 02:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/17/15 02:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/17/15 02:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/17/15 02:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/17/15 02:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/17/15 02:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/17/15 02:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/17/15 02:04	75-34-3	
1,2-Dichloroethane	**0.15J**	ug/L	1.0	0.12	1		07/17/15 02:04	107-06-2	B
1,1-Dichloroethene	**0.96J**	ug/L	1.0	0.56	1		07/17/15 02:04	75-35-4	
cis-1,2-Dichloroethene	**13.4**	ug/L	1.0	0.19	1		07/17/15 02:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/17/15 02:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/17/15 02:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/17/15 02:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/17/15 02:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/17/15 02:04	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/17/15 02:04	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/17/15 02:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/17/15 02:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/17/15 02:04	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/17/15 02:04	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/17/15 02:04	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/17/15 02:04	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/17/15 02:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/17/15 02:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/17/15 02:04	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/17/15 02:04	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/17/15 02:04	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: SEEP #2 **Lab ID: 92258453016** Collected: 07/09/15 16:40 Received: 07/14/15 10:20 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		07/17/15 02:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/17/15 02:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/17/15 02:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/17/15 02:04	79-00-5	
Trichloroethene	**1.0**	ug/L	1.0	0.47	1		07/17/15 02:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/17/15 02:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/17/15 02:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/17/15 02:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/17/15 02:04	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/17/15 02:04	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/17/15 02:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/17/15 02:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		07/17/15 02:04	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		07/17/15 02:04	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/17/15 02:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MB #3 **Lab ID: 92258453017** Collected: 07/10/15 09:45 Received: 07/14/15 10:20 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		07/17/15 02:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/17/15 02:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/17/15 02:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/17/15 02:21	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/17/15 02:21	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/17/15 02:21	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/17/15 02:21	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/17/15 02:21	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/17/15 02:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/17/15 02:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/17/15 02:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/17/15 02:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/17/15 02:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/17/15 02:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/17/15 02:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/17/15 02:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/17/15 02:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/17/15 02:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/17/15 02:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/17/15 02:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/17/15 02:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/17/15 02:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/17/15 02:21	75-34-3	
1,2-Dichloroethane	**0.15J**	ug/L	1.0	0.12	1		07/17/15 02:21	107-06-2	B
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/17/15 02:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		07/17/15 02:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/17/15 02:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/17/15 02:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/17/15 02:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/17/15 02:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/17/15 02:21	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/17/15 02:21	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/17/15 02:21	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/17/15 02:21	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/17/15 02:21	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/17/15 02:21	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/17/15 02:21	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/17/15 02:21	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/17/15 02:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/17/15 02:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/17/15 02:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/17/15 02:21	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/17/15 02:21	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MB #3 **Lab ID: 92258453017** Collected: 07/10/15 09:45 Received: 07/14/15 10:20 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		07/17/15 02:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/17/15 02:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/17/15 02:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/17/15 02:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/17/15 02:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/17/15 02:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/17/15 02:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/17/15 02:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/17/15 02:21	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/17/15 02:21	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/17/15 02:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/17/15 02:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		07/17/15 02:21	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		07/17/15 02:21	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/17/15 02:21	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MB #5 **Lab ID: 92258453018** Collected: 07/10/15 10:20 Received: 07/14/15 10:20 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		07/17/15 02:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/17/15 02:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/17/15 02:38	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/17/15 02:38	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/17/15 02:38	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/17/15 02:38	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/17/15 02:38	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/17/15 02:38	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/17/15 02:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/17/15 02:38	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/17/15 02:38	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/17/15 02:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/17/15 02:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/17/15 02:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/17/15 02:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/17/15 02:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/17/15 02:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/17/15 02:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/17/15 02:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/17/15 02:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/17/15 02:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/17/15 02:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/17/15 02:38	75-34-3	
1,2-Dichloroethane	**0.15J**	ug/L	1.0	0.12	1		07/17/15 02:38	107-06-2	B
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/17/15 02:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		07/17/15 02:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/17/15 02:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/17/15 02:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/17/15 02:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/17/15 02:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/17/15 02:38	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/17/15 02:38	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/17/15 02:38	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/17/15 02:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/17/15 02:38	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/17/15 02:38	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/17/15 02:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/17/15 02:38	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/17/15 02:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/17/15 02:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/17/15 02:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/17/15 02:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/17/15 02:38	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MB #5 **Lab ID: 92258453018** Collected: 07/10/15 10:20 Received: 07/14/15 10:20 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		07/17/15 02:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/17/15 02:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/17/15 02:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/17/15 02:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/17/15 02:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/17/15 02:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/17/15 02:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/17/15 02:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/17/15 02:38	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/17/15 02:38	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/17/15 02:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/17/15 02:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		07/17/15 02:38	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		07/17/15 02:38	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		07/17/15 02:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MB #15 **Lab ID: 92258453019** Collected: 07/10/15 10:05 Received: 07/14/15 10:20 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		07/17/15 02:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/17/15 02:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/17/15 02:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/17/15 02:55	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/17/15 02:55	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/17/15 02:55	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/17/15 02:55	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/17/15 02:55	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/17/15 02:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/17/15 02:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/17/15 02:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/17/15 02:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/17/15 02:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/17/15 02:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/17/15 02:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/17/15 02:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/17/15 02:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/17/15 02:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/17/15 02:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/17/15 02:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/17/15 02:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/17/15 02:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/17/15 02:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/17/15 02:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/17/15 02:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		07/17/15 02:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/17/15 02:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/17/15 02:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/17/15 02:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/17/15 02:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/17/15 02:55	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/17/15 02:55	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/17/15 02:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/17/15 02:55	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/17/15 02:55	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/17/15 02:55	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/17/15 02:55	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/17/15 02:55	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/17/15 02:55	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/17/15 02:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/17/15 02:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/17/15 02:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/17/15 02:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/17/15 02:55	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MB #15 **Lab ID: 92258453019** Collected: 07/10/15 10:05 Received: 07/14/15 10:20 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		07/17/15 02:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/17/15 02:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/17/15 02:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/17/15 02:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/17/15 02:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/17/15 02:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/17/15 02:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/17/15 02:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/17/15 02:55	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/17/15 02:55	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/17/15 02:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/17/15 02:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		07/17/15 02:55	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		07/17/15 02:55	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/17/15 02:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MB #16 **Lab ID: 92258453020** Collected: 07/10/15 10:40 Received: 07/14/15 10:20 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		07/17/15 03:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/17/15 03:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/17/15 03:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/17/15 03:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/17/15 03:11	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/17/15 03:11	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/17/15 03:11	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/17/15 03:11	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/17/15 03:11	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/17/15 03:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/17/15 03:11	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/17/15 03:11	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/17/15 03:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/17/15 03:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/17/15 03:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/17/15 03:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/17/15 03:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/17/15 03:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/17/15 03:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/17/15 03:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/17/15 03:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/17/15 03:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/17/15 03:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/17/15 03:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/17/15 03:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/17/15 03:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/17/15 03:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		07/17/15 03:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/17/15 03:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/17/15 03:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/17/15 03:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/17/15 03:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/17/15 03:11	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/17/15 03:11	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/17/15 03:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/17/15 03:11	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/17/15 03:11	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/17/15 03:11	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		07/17/15 03:11	75-09-2	
Naphthalene	ND	ug/L	1.0	0.24	1		07/17/15 03:11	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/17/15 03:11	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/17/15 03:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/17/15 03:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/17/15 03:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/17/15 03:11	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/17/15 03:11	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: MB #16 **Lab ID: 92258453020** Collected: 07/10/15 10:40 Received: 07/14/15 10:20 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		07/17/15 03:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/17/15 03:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/17/15 03:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/17/15 03:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/17/15 03:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/17/15 03:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/17/15 03:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/17/15 03:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/17/15 03:11	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/17/15 03:11	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/17/15 03:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/17/15 03:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		07/17/15 03:11	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		07/17/15 03:11	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/17/15 03:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: TB-1 **Lab ID: 92258453021** Collected: 07/10/15 00:00 Received: 07/14/15 10:20 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		07/16/15 06:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		07/16/15 06:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		07/16/15 06:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		07/16/15 06:40	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		07/16/15 06:40	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		07/16/15 06:40	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	0.41	1		07/16/15 06:40	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	0.38	1		07/16/15 06:40	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	0.40	1		07/16/15 06:40	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		07/16/15 06:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		07/16/15 06:40	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		07/16/15 06:40	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		07/16/15 06:40	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		07/16/15 06:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		07/16/15 06:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		07/16/15 06:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		07/16/15 06:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		07/16/15 06:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		07/16/15 06:40	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		07/16/15 06:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		07/16/15 06:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		07/16/15 06:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		07/16/15 06:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		07/16/15 06:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		07/16/15 06:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		07/16/15 06:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		07/16/15 06:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		07/16/15 06:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		07/16/15 06:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		07/16/15 06:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		07/16/15 06:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		07/16/15 06:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		07/16/15 06:40	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		07/16/15 06:40	123-91-1	L3
Ethylbenzene	ND	ug/L	1.0	0.30	1		07/16/15 06:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		07/16/15 06:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		07/16/15 06:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		07/16/15 06:40	99-87-6	
Methylene Chloride	**1.1J**	ug/L	2.0	0.97	1		07/16/15 06:40	75-09-2	C9
Naphthalene	**2.7**	ug/L	1.0	0.24	1		07/16/15 06:40	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	0.42	1		07/16/15 06:40	103-65-1	
Styrene	ND	ug/L	1.0	0.26	1		07/16/15 06:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		07/16/15 06:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		07/16/15 06:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		07/16/15 06:40	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		07/16/15 06:40	108-88-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: TB-1 **Lab ID: 92258453021** Collected: 07/10/15 00:00 Received: 07/14/15 10:20 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		07/16/15 06:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		07/16/15 06:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		07/16/15 06:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		07/16/15 06:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		07/16/15 06:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		07/16/15 06:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		07/16/15 06:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.31	1		07/16/15 06:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.36	1		07/16/15 06:40	108-67-8	
Vinyl chloride	ND	ug/L	1.0	0.62	1		07/16/15 06:40	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		07/16/15 06:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		07/16/15 06:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/16/15 06:40	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		07/16/15 06:40	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		07/16/15 06:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: TK PURGE WATER **Lab ID: 92258453022** Collected: 07/10/15 08:50 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	ug/L	10.0	5.0	1	07/20/15 18:45	07/22/15 03:08	7440-38-2	
Barium	**27.0**	ug/L	5.0	2.5	1	07/20/15 18:45	07/22/15 03:08	7440-39-3	
Cadmium	ND	ug/L	1.0	0.50	1	07/20/15 18:45	07/22/15 03:08	7440-43-9	
Chromium	**10.0**	ug/L	5.0	2.5	1	07/20/15 18:45	07/22/15 03:08	7440-47-3	
Lead	**33.0**	ug/L	5.0	2.5	1	07/20/15 18:45	07/22/15 03:08	7439-92-1	
Selenium	ND	ug/L	10.0	5.0	1	07/20/15 18:45	07/22/15 03:08	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	07/20/15 18:45	07/22/15 03:08	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	07/21/15 12:10	07/21/15 15:28	7439-97-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Benzene	**1.0J**	ug/L	2.0	0.50	2		07/18/15 05:53	71-43-2	
Bromobenzene	ND	ug/L	2.0	0.60	2		07/18/15 05:53	108-86-1	
Bromochloromethane	ND	ug/L	2.0	0.34	2		07/18/15 05:53	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	0.36	2		07/18/15 05:53	75-27-4	
Bromoform	ND	ug/L	2.0	0.52	2		07/18/15 05:53	75-25-2	
Bromomethane	**6.6**	ug/L	4.0	0.58	2		07/18/15 05:53	74-83-9	
n-Butylbenzene	ND	ug/L	2.0	0.82	2		07/18/15 05:53	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	0.76	2		07/18/15 05:53	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	0.80	2		07/18/15 05:53	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	0.50	2		07/18/15 05:53	56-23-5	
Chlorobenzene	ND	ug/L	2.0	0.46	2		07/18/15 05:53	108-90-7	
Chloroethane	ND	ug/L	2.0	1.1	2		07/18/15 05:53	75-00-3	
Chloroform	ND	ug/L	2.0	0.28	2		07/18/15 05:53	67-66-3	
Chloromethane	ND	ug/L	2.0	0.22	2		07/18/15 05:53	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	0.70	2		07/18/15 05:53	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	0.62	2		07/18/15 05:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	4.0	2		07/18/15 05:53	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	0.42	2		07/18/15 05:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	0.54	2		07/18/15 05:53	106-93-4	
Dibromomethane	ND	ug/L	2.0	0.42	2		07/18/15 05:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	0.60	2		07/18/15 05:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	0.48	2		07/18/15 05:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	0.66	2		07/18/15 05:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	0.42	2		07/18/15 05:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	0.64	2		07/18/15 05:53	75-34-3	
1,2-Dichloroethane	**0.39J**	ug/L	2.0	0.24	2		07/18/15 05:53	107-06-2	B
1,1-Dichloroethene	**2.6**	ug/L	2.0	1.1	2		07/18/15 05:53	75-35-4	
cis-1,2-Dichloroethene	**106**	ug/L	2.0	0.38	2		07/18/15 05:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	0.98	2		07/18/15 05:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	2.0	0.54	2		07/18/15 05:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	0.56	2		07/18/15 05:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	2.0	0.26	2		07/18/15 05:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	0.98	2		07/18/15 05:53	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	300	157	2		07/18/15 05:53	123-91-1	L3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Sample: TK PURGE WATER **Lab ID: 92258453022** Collected: 07/10/15 08:50 Received: 07/14/15 10:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Ethylbenzene	ND	ug/L	2.0	0.60	2		07/18/15 05:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1.4	2		07/18/15 05:53	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	0.80	2		07/18/15 05:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	0.62	2		07/18/15 05:53	99-87-6	
Methylene Chloride	**2.4J**	ug/L	4.0	1.9	2		07/18/15 05:53	75-09-2	
Naphthalene	ND	ug/L	2.0	0.48	2		07/18/15 05:53	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	0.84	2		07/18/15 05:53	103-65-1	
Styrene	ND	ug/L	2.0	0.52	2		07/18/15 05:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	0.66	2		07/18/15 05:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	0.80	2		07/18/15 05:53	79-34-5	
Tetrachloroethene	ND	ug/L	2.0	0.92	2		07/18/15 05:53	127-18-4	
Toluene	ND	ug/L	2.0	0.52	2		07/18/15 05:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	0.66	2		07/18/15 05:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	0.70	2		07/18/15 05:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	0.96	2		07/18/15 05:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	0.58	2		07/18/15 05:53	79-00-5	
Trichloroethene	**199**	ug/L	2.0	0.94	2		07/18/15 05:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	0.40	2		07/18/15 05:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	0.82	2		07/18/15 05:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	0.62	2		07/18/15 05:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	0.72	2		07/18/15 05:53	108-67-8	
Vinyl chloride	**8.1**	ug/L	2.0	1.2	2		07/18/15 05:53	75-01-4	
m&p-Xylene	ND	ug/L	4.0	1.3	2		07/18/15 05:53	179601-23-1	
o-Xylene	ND	ug/L	2.0	0.46	2		07/18/15 05:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		2		07/18/15 05:53	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-130		2		07/18/15 05:53	17060-07-0	
Toluene-d8 (S)	101	%	70-130		2		07/18/15 05:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

QC Batch: MERP/8097
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 92258453022

METHOD BLANK: 1514214 Matrix: Water
Associated Lab Samples: 92258453022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/21/15 15:14	

LABORATORY CONTROL SAMPLE: 1514215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1514216 1514217

Parameter	Units	92258316005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.6	102	103	75-125	0	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

QC Batch: MPRP/19034
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 92258453022

METHOD BLANK: 1513622 Matrix: Water
Associated Lab Samples: 92258453022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	07/22/15 03:02	
Barium	ug/L	ND	5.0	07/22/15 03:02	
Cadmium	ug/L	ND	1.0	07/22/15 03:02	
Chromium	ug/L	ND	5.0	07/22/15 03:02	
Lead	ug/L	ND	5.0	07/22/15 03:02	
Selenium	ug/L	ND	10.0	07/22/15 03:02	
Silver	ug/L	ND	5.0	07/22/15 03:02	

LABORATORY CONTROL SAMPLE: 1513623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	441	88	80-120	
Barium	ug/L	500	450	90	80-120	
Cadmium	ug/L	500	456	91	80-120	
Chromium	ug/L	500	442	88	80-120	
Lead	ug/L	500	451	90	80-120	
Selenium	ug/L	500	448	90	80-120	
Silver	ug/L	250	225	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1513624 1513625

Parameter	Units	92258453022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	439	430	88	86	75-125	2	20	
Barium	ug/L	27.0	500	500	468	461	88	87	75-125	2	20	
Cadmium	ug/L	ND	500	500	452	444	90	89	75-125	2	20	
Chromium	ug/L	10.0	500	500	442	436	86	85	75-125	1	20	
Lead	ug/L	33.0	500	500	467	461	87	86	75-125	1	20	
Selenium	ug/L	ND	500	500	438	427	88	85	75-125	3	20	
Silver	ug/L	ND	250	250	223	220	89	88	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

QC Batch: MSV/32572 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92258453001, 92258453002, 92258453003, 92258453007, 92258453009, 92258453010, 92258453012, 92258453013, 92258453021

METHOD BLANK: 1509093 Matrix: Water
Associated Lab Samples: 92258453001, 92258453002, 92258453003, 92258453007, 92258453009, 92258453010, 92258453012, 92258453013, 92258453021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/16/15 03:16	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/16/15 03:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/16/15 03:16	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/16/15 03:16	
1,1-Dichloroethane	ug/L	ND	1.0	07/16/15 03:16	
1,1-Dichloroethene	ug/L	ND	1.0	07/16/15 03:16	
1,1-Dichloropropene	ug/L	ND	1.0	07/16/15 03:16	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/16/15 03:16	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/16/15 03:16	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/16/15 03:16	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	07/16/15 03:16	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	07/16/15 03:16	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/16/15 03:16	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/16/15 03:16	
1,2-Dichloroethane	ug/L	ND	1.0	07/16/15 03:16	
1,2-Dichloropropane	ug/L	ND	1.0	07/16/15 03:16	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	07/16/15 03:16	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/16/15 03:16	
1,3-Dichloropropane	ug/L	ND	1.0	07/16/15 03:16	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/16/15 03:16	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	07/16/15 03:16	
2,2-Dichloropropane	ug/L	ND	1.0	07/16/15 03:16	
2-Chlorotoluene	ug/L	ND	1.0	07/16/15 03:16	
4-Chlorotoluene	ug/L	ND	1.0	07/16/15 03:16	
Benzene	ug/L	ND	1.0	07/16/15 03:16	
Bromobenzene	ug/L	ND	1.0	07/16/15 03:16	
Bromochloromethane	ug/L	ND	1.0	07/16/15 03:16	
Bromodichloromethane	ug/L	ND	1.0	07/16/15 03:16	
Bromoform	ug/L	ND	1.0	07/16/15 03:16	
Bromomethane	ug/L	ND	2.0	07/16/15 03:16	
Carbon tetrachloride	ug/L	ND	1.0	07/16/15 03:16	
Chlorobenzene	ug/L	ND	1.0	07/16/15 03:16	
Chloroethane	ug/L	ND	1.0	07/16/15 03:16	
Chloroform	ug/L	ND	1.0	07/16/15 03:16	
Chloromethane	ug/L	ND	1.0	07/16/15 03:16	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/16/15 03:16	
Dibromochloromethane	ug/L	ND	1.0	07/16/15 03:16	
Dibromomethane	ug/L	ND	1.0	07/16/15 03:16	
Dichlorodifluoromethane	ug/L	ND	1.0	07/16/15 03:16	
Ethylbenzene	ug/L	ND	1.0	07/16/15 03:16	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

METHOD BLANK: 1509093 Matrix: Water

Associated Lab Samples: 92258453001, 92258453002, 92258453003, 92258453007, 92258453009, 92258453010, 92258453012, 92258453013, 92258453021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/16/15 03:16	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	07/16/15 03:16	
m&p-Xylene	ug/L	ND	2.0	07/16/15 03:16	
Methylene Chloride	ug/L	ND	2.0	07/16/15 03:16	
n-Butylbenzene	ug/L	ND	1.0	07/16/15 03:16	
n-Propylbenzene	ug/L	ND	1.0	07/16/15 03:16	
Naphthalene	ug/L	ND	1.0	07/16/15 03:16	
o-Xylene	ug/L	ND	1.0	07/16/15 03:16	
p-Isopropyltoluene	ug/L	ND	1.0	07/16/15 03:16	
sec-Butylbenzene	ug/L	ND	1.0	07/16/15 03:16	
Styrene	ug/L	ND	1.0	07/16/15 03:16	
tert-Butylbenzene	ug/L	ND	1.0	07/16/15 03:16	
Tetrachloroethene	ug/L	ND	1.0	07/16/15 03:16	
Toluene	ug/L	ND	1.0	07/16/15 03:16	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/16/15 03:16	
Trichloroethene	ug/L	ND	1.0	07/16/15 03:16	
Trichlorofluoromethane	ug/L	ND	1.0	07/16/15 03:16	
Vinyl chloride	ug/L	ND	1.0	07/16/15 03:16	
1,2-Dichloroethane-d4 (S)	%	104	70-130	07/16/15 03:16	
4-Bromofluorobenzene (S)	%	107	70-130	07/16/15 03:16	
Toluene-d8 (S)	%	104	70-130	07/16/15 03:16	

LABORATORY CONTROL SAMPLE: 1509094

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	41.7	83	70-130	
1,1,1-Trichloroethane	ug/L	50	49.0	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	43.0	86	70-130	
1,1,2-Trichloroethane	ug/L	50	44.3	89	70-130	
1,1-Dichloroethane	ug/L	50	48.8	98	70-130	
1,1-Dichloroethene	ug/L	50	53.7	107	70-132	
1,1-Dichloropropene	ug/L	50	53.9	108	70-130	
1,2,3-Trichlorobenzene	ug/L	50	39.0	78	70-135	
1,2,3-Trichloropropane	ug/L	50	39.7	79	70-130	
1,2,4-Trichlorobenzene	ug/L	50	38.9	78	70-134	
1,2,4-Trimethylbenzene	ug/L	50	42.1	84	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	40.7	81	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	43.8	88	70-130	
1,2-Dichlorobenzene	ug/L	50	43.3	87	70-130	
1,2-Dichloroethane	ug/L	50	43.2	86	70-130	
1,2-Dichloropropane	ug/L	50	46.6	93	70-130	
1,3,5-Trimethylbenzene	ug/L	50	43.8	88	70-130	
1,3-Dichlorobenzene	ug/L	50	43.3	87	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

LABORATORY CONTROL SAMPLE: 1509094

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	44.1	88	70-130	
1,4-Dichlorobenzene	ug/L	50	42.4	85	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1420	142	71-125	L0
2,2-Dichloropropane	ug/L	50	46.4	93	58-145	
2-Chlorotoluene	ug/L	50	44.4	89	70-130	
4-Chlorotoluene	ug/L	50	44.3	89	70-130	
Benzene	ug/L	50	48.3	97	70-130	
Bromobenzene	ug/L	50	43.3	87	70-130	
Bromochloromethane	ug/L	50	49.2	98	70-130	
Bromodichloromethane	ug/L	50	43.9	88	70-130	
Bromoform	ug/L	50	38.8	78	70-130	
Bromomethane	ug/L	50	43.7	87	54-130	
Carbon tetrachloride	ug/L	50	45.2	90	70-132	
Chlorobenzene	ug/L	50	43.4	87	70-130	
Chloroethane	ug/L	50	45.2	90	64-134	
Chloroform	ug/L	50	47.7	95	70-130	
Chloromethane	ug/L	50	47.2	94	64-130	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	70-131	
Dibromochloromethane	ug/L	50	42.1	84	70-130	
Dibromomethane	ug/L	50	43.3	87	70-131	
Dichlorodifluoromethane	ug/L	50	43.2	86	56-130	
Ethylbenzene	ug/L	50	44.1	88	70-130	
Hexachloro-1,3-butadiene	ug/L	50	39.6	79	70-130	
Isopropylbenzene (Cumene)	ug/L	50	44.1	88	70-130	
m&p-Xylene	ug/L	100	88.3	88	70-130	
Methylene Chloride	ug/L	50	53.1	106	63-130	
n-Butylbenzene	ug/L	50	41.9	84	70-130	
n-Propylbenzene	ug/L	50	45.0	90	70-130	
Naphthalene	ug/L	50	39.5	79	70-138	
o-Xylene	ug/L	50	43.9	88	70-130	
p-Isopropyltoluene	ug/L	50	43.2	86	70-130	
sec-Butylbenzene	ug/L	50	45.0	90	70-130	
Styrene	ug/L	50	44.9	90	70-130	
tert-Butylbenzene	ug/L	50	37.5	75	70-130	
Tetrachloroethene	ug/L	50	42.5	85	70-130	
Toluene	ug/L	50	46.0	92	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.3	97	70-130	
Trichloroethene	ug/L	50	44.9	90	70-130	
Trichlorofluoromethane	ug/L	50	43.9	88	62-133	
Vinyl chloride	ug/L	50	56.1	112	50-150	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

MATRIX SPIKE SAMPLE: 1509095

Parameter	Units	92258453001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	17.3	86	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	21.6	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	17.7	89	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	ND	20	23.0	115	70-130	
1,1-Dichloroethene	ug/L	ND	20	23.8	118	70-166	
1,1-Dichloropropene	ug/L	ND	20	22.4	112	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	20	15.1	75	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	17.3	86	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	14.8	74	70-130	
1,2,4-Trimethylbenzene	ug/L	ND	20	18.0	90	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	15.1	76	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	18.1	91	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	18.0	90	70-130	
1,2-Dichloroethane	ug/L	ND	20	19.4	97	70-130	
1,2-Dichloropropane	ug/L	ND	20	20.2	101	70-130	
1,3,5-Trimethylbenzene	ug/L	ND	20	18.5	93	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	18.3	91	70-130	
1,3-Dichloropropane	ug/L	ND	20	18.0	90	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	18.2	91	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	508	127	70-130	
2,2-Dichloropropane	ug/L	ND	20	21.0	105	70-130	
2-Chlorotoluene	ug/L	ND	20	18.8	94	70-130	
4-Chlorotoluene	ug/L	ND	20	19.0	95	70-130	
Benzene	ug/L	ND	20	21.8	109	70-148	
Bromobenzene	ug/L	ND	20	18.2	91	70-130	
Bromochloromethane	ug/L	ND	20	20.6	103	70-130	
Bromodichloromethane	ug/L	ND	20	19.9	99	70-130	
Bromoform	ug/L	ND	20	15.0	75	70-130	
Bromomethane	ug/L	ND	20	16.3	82	70-130	
Carbon tetrachloride	ug/L	ND	20	21.4	107	70-130	
Chlorobenzene	ug/L	ND	20	19.3	96	70-146	
Chloroethane	ug/L	ND	20	21.8	109	70-130	
Chloroform	ug/L	4.0	20	23.6	98	70-130	
Chloromethane	ug/L	ND	20	19.9	100	70-130	
cis-1,2-Dichloroethene	ug/L	0.20J	20	20.2	100	70-130	
Dibromochloromethane	ug/L	ND	20	17.3	87	70-130	
Dibromomethane	ug/L	ND	20	19.1	96	70-130	
Dichlorodifluoromethane	ug/L	ND	20	20.7	104	70-130	
Ethylbenzene	ug/L	ND	20	19.6	98	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	20.0	100	70-130	
Isopropylbenzene (Cumene)	ug/L	ND	20	19.1	95	70-130	
m&p-Xylene	ug/L	ND	40	39.1	98	70-130	
Methylene Chloride	ug/L	ND	20	23.4	117	70-130	
n-Butylbenzene	ug/L	ND	20	17.5	87	70-130	
n-Propylbenzene	ug/L	ND	20	19.6	98	70-130	
Naphthalene	ug/L	ND	20	16.8	84	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

MATRIX SPIKE SAMPLE: 1509095

Parameter	Units	92258453001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	18.1	91	70-130	
p-Isopropyltoluene	ug/L	ND	20	18.3	91	70-130	
sec-Butylbenzene	ug/L	ND	20	19.2	96	70-130	
Styrene	ug/L	ND	20	18.2	91	70-130	
tert-Butylbenzene	ug/L	ND	20	15.9	79	70-130	
Tetrachloroethene	ug/L	ND	20	19.2	96	70-130	
Toluene	ug/L	ND	20	20.9	105	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	23.2	116	70-130	
Trichloroethene	ug/L	ND	20	21.5	106	69-151	
Trichlorofluoromethane	ug/L	ND	20	21.9	109	70-130	
Vinyl chloride	ug/L	ND	20	22.3	111	70-130	
1,2-Dichloroethane-d4 (S)	%				104	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1509096

Parameter	Units	92258453002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	0.83J	0.81J		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

SAMPLE DUPLICATE: 1509096

Parameter	Units	92258453002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	1.4	1.4	2	30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
Trichloroethene	ug/L	1.6	1.7	5	30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	107	110	3		
4-Bromofluorobenzene (S)	%	112	112	0		
Toluene-d8 (S)	%	103	103	0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

QC Batch: MSV/32607 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92258453015, 92258453016, 92258453017, 92258453018, 92258453019, 92258453020

METHOD BLANK: 1511365 Matrix: Water
Associated Lab Samples: 92258453015, 92258453016, 92258453017, 92258453018, 92258453019, 92258453020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/17/15 00:23	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/17/15 00:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/17/15 00:23	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/17/15 00:23	
1,1-Dichloroethane	ug/L	ND	1.0	07/17/15 00:23	
1,1-Dichloroethene	ug/L	ND	1.0	07/17/15 00:23	
1,1-Dichloropropene	ug/L	ND	1.0	07/17/15 00:23	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/17/15 00:23	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/17/15 00:23	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/17/15 00:23	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	07/17/15 00:23	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	07/17/15 00:23	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/17/15 00:23	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/17/15 00:23	
1,2-Dichloroethane	ug/L	ND	1.0	07/17/15 00:23	
1,2-Dichloropropane	ug/L	ND	1.0	07/17/15 00:23	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	07/17/15 00:23	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/17/15 00:23	
1,3-Dichloropropane	ug/L	ND	1.0	07/17/15 00:23	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/17/15 00:23	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	07/17/15 00:23	
2,2-Dichloropropane	ug/L	ND	1.0	07/17/15 00:23	
2-Chlorotoluene	ug/L	ND	1.0	07/17/15 00:23	
4-Chlorotoluene	ug/L	ND	1.0	07/17/15 00:23	
Benzene	ug/L	ND	1.0	07/17/15 00:23	
Bromobenzene	ug/L	ND	1.0	07/17/15 00:23	
Bromochloromethane	ug/L	ND	1.0	07/17/15 00:23	
Bromodichloromethane	ug/L	ND	1.0	07/17/15 00:23	
Bromoform	ug/L	ND	1.0	07/17/15 00:23	
Bromomethane	ug/L	ND	2.0	07/17/15 00:23	
Carbon tetrachloride	ug/L	ND	1.0	07/17/15 00:23	
Chlorobenzene	ug/L	ND	1.0	07/17/15 00:23	
Chloroethane	ug/L	ND	1.0	07/17/15 00:23	
Chloroform	ug/L	ND	1.0	07/17/15 00:23	
Chloromethane	ug/L	ND	1.0	07/17/15 00:23	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/17/15 00:23	
Dibromochloromethane	ug/L	ND	1.0	07/17/15 00:23	
Dibromomethane	ug/L	ND	1.0	07/17/15 00:23	
Dichlorodifluoromethane	ug/L	ND	1.0	07/17/15 00:23	
Ethylbenzene	ug/L	ND	1.0	07/17/15 00:23	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/17/15 00:23	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

METHOD BLANK: 1511365 Matrix: Water
Associated Lab Samples: 92258453015, 92258453016, 92258453017, 92258453018, 92258453019, 92258453020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	1.0	07/17/15 00:23	
m&p-Xylene	ug/L	ND	2.0	07/17/15 00:23	
Methylene Chloride	ug/L	ND	2.0	07/17/15 00:23	
n-Butylbenzene	ug/L	ND	1.0	07/17/15 00:23	
n-Propylbenzene	ug/L	ND	1.0	07/17/15 00:23	
Naphthalene	ug/L	ND	1.0	07/17/15 00:23	
o-Xylene	ug/L	ND	1.0	07/17/15 00:23	
p-Isopropyltoluene	ug/L	ND	1.0	07/17/15 00:23	
sec-Butylbenzene	ug/L	ND	1.0	07/17/15 00:23	
Styrene	ug/L	ND	1.0	07/17/15 00:23	
tert-Butylbenzene	ug/L	ND	1.0	07/17/15 00:23	
Tetrachloroethene	ug/L	ND	1.0	07/17/15 00:23	
Toluene	ug/L	ND	1.0	07/17/15 00:23	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/17/15 00:23	
Trichloroethene	ug/L	ND	1.0	07/17/15 00:23	
Trichlorofluoromethane	ug/L	ND	1.0	07/17/15 00:23	
Vinyl chloride	ug/L	ND	1.0	07/17/15 00:23	
1,2-Dichloroethane-d4 (S)	%	100	70-130	07/17/15 00:23	
4-Bromofluorobenzene (S)	%	105	70-130	07/17/15 00:23	
Toluene-d8 (S)	%	100	70-130	07/17/15 00:23	

LABORATORY CONTROL SAMPLE: 1511366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.1	100	70-130	
1,1,1-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.3	107	70-130	
1,1,2-Trichloroethane	ug/L	50	46.3	93	70-130	
1,1-Dichloroethane	ug/L	50	50.2	100	70-130	
1,1-Dichloroethene	ug/L	50	54.8	110	70-132	
1,1-Dichloropropene	ug/L	50	53.4	107	70-130	
1,2,3-Trichlorobenzene	ug/L	50	49.6	99	70-135	
1,2,3-Trichloropropane	ug/L	50	51.3	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.4	101	70-134	
1,2,4-Trimethylbenzene	ug/L	50	51.1	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.8	108	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.0	100	70-130	
1,2-Dichlorobenzene	ug/L	50	52.0	104	70-130	
1,2-Dichloroethane	ug/L	50	46.7	93	70-130	
1,2-Dichloropropane	ug/L	50	49.1	98	70-130	
1,3,5-Trimethylbenzene	ug/L	50	50.7	101	70-130	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,3-Dichloropropane	ug/L	50	49.4	99	70-130	
1,4-Dichlorobenzene	ug/L	50	49.5	99	70-130	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

LABORATORY CONTROL SAMPLE: 1511366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1000	2480	248	71-125	L0
2,2-Dichloropropane	ug/L	50	50.1	100	58-145	
2-Chlorotoluene	ug/L	50	50.6	101	70-130	
4-Chlorotoluene	ug/L	50	48.4	97	70-130	
Benzene	ug/L	50	51.2	102	70-130	
Bromobenzene	ug/L	50	47.7	95	70-130	
Bromochloromethane	ug/L	50	51.5	103	70-130	
Bromodichloromethane	ug/L	50	51.7	103	70-130	
Bromoform	ug/L	50	42.6	85	70-130	
Bromomethane	ug/L	50	47.8	96	54-130	
Carbon tetrachloride	ug/L	50	50.9	102	70-132	
Chlorobenzene	ug/L	50	50.3	101	70-130	
Chloroethane	ug/L	50	47.3	95	64-134	
Chloroform	ug/L	50	51.2	102	70-130	
Chloromethane	ug/L	50	53.3	107	64-130	
cis-1,2-Dichloroethene	ug/L	50	51.3	103	70-131	
Dibromochloromethane	ug/L	50	52.2	104	70-130	
Dibromomethane	ug/L	50	48.7	97	70-131	
Dichlorodifluoromethane	ug/L	50	53.7	107	56-130	
Ethylbenzene	ug/L	50	50.6	101	70-130	
Hexachloro-1,3-butadiene	ug/L	50	62.2	124	70-130	
Isopropylbenzene (Cumene)	ug/L	50	52.7	105	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methylene Chloride	ug/L	50	54.2	108	63-130	
n-Butylbenzene	ug/L	50	50.3	101	70-130	
n-Propylbenzene	ug/L	50	50.2	100	70-130	
Naphthalene	ug/L	50	52.2	104	70-138	
o-Xylene	ug/L	50	51.6	103	70-130	
p-Isopropyltoluene	ug/L	50	51.0	102	70-130	
sec-Butylbenzene	ug/L	50	51.3	103	70-130	
Styrene	ug/L	50	52.1	104	70-130	
tert-Butylbenzene	ug/L	50	42.3	85	70-130	
Tetrachloroethene	ug/L	50	47.3	95	70-130	
Toluene	ug/L	50	50.3	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.3	103	70-130	
Trichloroethene	ug/L	50	47.9	96	70-130	
Trichlorofluoromethane	ug/L	50	46.5	93	62-133	
Vinyl chloride	ug/L	50	56.9	114	50-150	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			109	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

MATRIX SPIKE SAMPLE: 1511369

Parameter	Units	92258706001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	19.2	96	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	22.8	114	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	19.9	99	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	20.0	100	70-130	
1,1-Dichloroethane	ug/L	ND	20	22.4	112	70-130	
1,1-Dichloroethene	ug/L	ND	20	24.3	121	70-166	
1,1-Dichloropropene	ug/L	ND	20	23.8	119	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	20	18.4	92	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	20.5	103	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	18.4	92	70-130	
1,2,4-Trimethylbenzene	ug/L	ND	20	19.5	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	17.4	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	20.2	101	70-130	
1,2-Dichloroethane	ug/L	ND	20	20.2	101	70-130	
1,2-Dichloropropane	ug/L	ND	20	20.6	103	70-130	
1,3,5-Trimethylbenzene	ug/L	ND	20	19.9	100	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	20.2	101	70-130	
1,3-Dichloropropane	ug/L	ND	20	19.9	99	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	19.7	99	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	960	240	70-130	M0
2,2-Dichloropropane	ug/L	ND	20	18.2	91	70-130	
2-Chlorotoluene	ug/L	ND	20	20.7	103	70-130	
4-Chlorotoluene	ug/L	ND	20	20.0	100	70-130	
Benzene	ug/L	ND	20	22.0	110	70-148	
Bromobenzene	ug/L	ND	20	19.0	95	70-130	
Bromochloromethane	ug/L	ND	20	22.8	114	70-130	
Bromodichloromethane	ug/L	ND	20	19.6	98	70-130	
Bromoform	ug/L	ND	20	15.6	78	70-130	
Bromomethane	ug/L	ND	20	11.0	55	70-130	M1
Carbon tetrachloride	ug/L	ND	20	21.4	107	70-130	
Chlorobenzene	ug/L	ND	20	20.4	102	70-146	
Chloroethane	ug/L	ND	20	22.0	110	70-130	
Chloroform	ug/L	2.5	20	24.3	109	70-130	
Chloromethane	ug/L	ND	20	19.5	98	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	22.3	112	70-130	
Dibromochloromethane	ug/L	ND	20	17.6	88	70-130	
Dibromomethane	ug/L	ND	20	20.6	103	70-130	
Dichlorodifluoromethane	ug/L	ND	20	18.7	94	70-130	
Ethylbenzene	ug/L	ND	20	20.3	102	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	22.6	113	70-130	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.5	102	70-130	
m&p-Xylene	ug/L	ND	40	40.9	102	70-130	
Methylene Chloride	ug/L	ND	20	23.0	115	70-130	
n-Butylbenzene	ug/L	ND	20	18.7	93	70-130	
n-Propylbenzene	ug/L	ND	20	20.2	101	70-130	
Naphthalene	ug/L	ND	20	19.7	99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

MATRIX SPIKE SAMPLE: 1511369

Parameter	Units	92258706001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	20.4	102	70-130	
p-Isopropyltoluene	ug/L	ND	20	19.5	98	70-130	
sec-Butylbenzene	ug/L	ND	20	20.3	101	70-130	
Styrene	ug/L	ND	20	19.6	98	70-130	
tert-Butylbenzene	ug/L	ND	20	16.8	84	70-130	
Tetrachloroethene	ug/L	ND	20	20.3	100	70-130	
Toluene	ug/L	ND	20	21.4	107	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	23.0	115	70-130	
Trichloroethene	ug/L	ND	20	21.7	108	69-151	
Trichlorofluoromethane	ug/L	ND	20	21.6	108	70-130	
Vinyl chloride	ug/L	ND	20	22.4	112	70-130	
1,2-Dichloroethane-d4 (S)	%				105	70-130	
4-Bromofluorobenzene (S)	%				106	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1511370

Parameter	Units	92258792001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

SAMPLE DUPLICATE: 1511370

Parameter	Units	92258792001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	110	102	8		
4-Bromofluorobenzene (S)	%	106	108	2		
Toluene-d8 (S)	%	101	102	1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

QC Batch: MSV/32608 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92258453005, 92258453006, 92258453008

METHOD BLANK: 1511376 Matrix: Water
Associated Lab Samples: 92258453005, 92258453006, 92258453008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/17/15 00:39	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/17/15 00:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/17/15 00:39	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/17/15 00:39	
1,1-Dichloroethane	ug/L	ND	1.0	07/17/15 00:39	
1,1-Dichloroethene	ug/L	ND	1.0	07/17/15 00:39	
1,1-Dichloropropene	ug/L	ND	1.0	07/17/15 00:39	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/17/15 00:39	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/17/15 00:39	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/17/15 00:39	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	07/17/15 00:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	07/17/15 00:39	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/17/15 00:39	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/17/15 00:39	
1,2-Dichloroethane	ug/L	ND	1.0	07/17/15 00:39	
1,2-Dichloropropane	ug/L	ND	1.0	07/17/15 00:39	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	07/17/15 00:39	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/17/15 00:39	
1,3-Dichloropropane	ug/L	ND	1.0	07/17/15 00:39	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/17/15 00:39	
2,2-Dichloropropane	ug/L	ND	1.0	07/17/15 00:39	
2-Chlorotoluene	ug/L	ND	1.0	07/17/15 00:39	
4-Chlorotoluene	ug/L	ND	1.0	07/17/15 00:39	
Benzene	ug/L	ND	1.0	07/17/15 00:39	
Bromobenzene	ug/L	ND	1.0	07/17/15 00:39	
Bromochloromethane	ug/L	ND	1.0	07/17/15 00:39	
Bromodichloromethane	ug/L	ND	1.0	07/17/15 00:39	
Bromoform	ug/L	ND	1.0	07/17/15 00:39	
Bromomethane	ug/L	ND	2.0	07/17/15 00:39	
Carbon tetrachloride	ug/L	ND	1.0	07/17/15 00:39	
Chlorobenzene	ug/L	ND	1.0	07/17/15 00:39	
Chloroethane	ug/L	ND	1.0	07/17/15 00:39	
Chloroform	ug/L	ND	1.0	07/17/15 00:39	
Chloromethane	ug/L	ND	1.0	07/17/15 00:39	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/17/15 00:39	
Dibromochloromethane	ug/L	ND	1.0	07/17/15 00:39	
Dibromomethane	ug/L	ND	1.0	07/17/15 00:39	
Dichlorodifluoromethane	ug/L	ND	1.0	07/17/15 00:39	
Ethylbenzene	ug/L	ND	1.0	07/17/15 00:39	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/17/15 00:39	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	07/17/15 00:39	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

METHOD BLANK: 1511376 Matrix: Water
Associated Lab Samples: 92258453005, 92258453006, 92258453008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	2.0	07/17/15 00:39	
Methylene Chloride	ug/L	ND	2.0	07/17/15 00:39	
n-Butylbenzene	ug/L	ND	1.0	07/17/15 00:39	
n-Propylbenzene	ug/L	ND	1.0	07/17/15 00:39	
Naphthalene	ug/L	ND	1.0	07/17/15 00:39	
o-Xylene	ug/L	ND	1.0	07/17/15 00:39	
p-Isopropyltoluene	ug/L	ND	1.0	07/17/15 00:39	
sec-Butylbenzene	ug/L	ND	1.0	07/17/15 00:39	
Styrene	ug/L	ND	1.0	07/17/15 00:39	
tert-Butylbenzene	ug/L	ND	1.0	07/17/15 00:39	
Tetrachloroethene	ug/L	ND	1.0	07/17/15 00:39	
Toluene	ug/L	ND	1.0	07/17/15 00:39	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/17/15 00:39	
Trichloroethene	ug/L	ND	1.0	07/17/15 00:39	
Trichlorofluoromethane	ug/L	ND	1.0	07/17/15 00:39	
Vinyl chloride	ug/L	ND	1.0	07/17/15 00:39	
1,2-Dichloroethane-d4 (S)	%	97	70-130	07/17/15 00:39	
4-Bromofluorobenzene (S)	%	106	70-130	07/17/15 00:39	
Toluene-d8 (S)	%	102	70-130	07/17/15 00:39	

LABORATORY CONTROL SAMPLE: 1511377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.5	97	70-130	
1,1,1-Trichloroethane	ug/L	50	48.0	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	47.6	95	70-130	
1,1-Dichloroethane	ug/L	50	48.9	98	70-130	
1,1-Dichloroethene	ug/L	50	50.4	101	70-132	
1,1-Dichloropropene	ug/L	50	51.2	102	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.8	98	70-135	
1,2,3-Trichloropropane	ug/L	50	46.1	92	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.8	102	70-134	
1,2,4-Trimethylbenzene	ug/L	50	51.8	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.7	97	70-130	
1,2-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,2-Dichloroethane	ug/L	50	41.9	84	70-130	
1,2-Dichloropropane	ug/L	50	48.2	96	70-130	
1,3,5-Trimethylbenzene	ug/L	50	50.3	101	70-130	
1,3-Dichlorobenzene	ug/L	50	50.0	100	70-130	
1,3-Dichloropropane	ug/L	50	48.0	96	70-130	
1,4-Dichlorobenzene	ug/L	50	49.4	99	70-130	
2,2-Dichloropropane	ug/L	50	46.6	93	58-145	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

LABORATORY CONTROL SAMPLE: 1511377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	51.0	102	70-130	
4-Chlorotoluene	ug/L	50	49.0	98	70-130	
Benzene	ug/L	50	49.6	99	70-130	
Bromobenzene	ug/L	50	47.5	95	70-130	
Bromochloromethane	ug/L	50	48.7	97	70-130	
Bromodichloromethane	ug/L	50	50.3	101	70-130	
Bromoform	ug/L	50	41.2	82	70-130	
Bromomethane	ug/L	50	49.5	99	54-130	
Carbon tetrachloride	ug/L	50	50.3	101	70-132	
Chlorobenzene	ug/L	50	48.5	97	70-130	
Chloroethane	ug/L	50	44.8	90	64-134	
Chloroform	ug/L	50	50.1	100	70-130	
Chloromethane	ug/L	50	50.8	102	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.2	96	70-131	
Dibromochloromethane	ug/L	50	50.6	101	70-130	
Dibromomethane	ug/L	50	47.6	95	70-131	
Dichlorodifluoromethane	ug/L	50	49.1	98	56-130	
Ethylbenzene	ug/L	50	48.8	98	70-130	
Hexachloro-1,3-butadiene	ug/L	50	62.0	124	70-130	
Isopropylbenzene (Cumene)	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	98.6	99	70-130	
Methylene Chloride	ug/L	50	51.1	102	63-130	
n-Butylbenzene	ug/L	50	49.7	99	70-130	
n-Propylbenzene	ug/L	50	50.5	101	70-130	
Naphthalene	ug/L	50	52.2	104	70-138	
o-Xylene	ug/L	50	49.5	99	70-130	
p-Isopropyltoluene	ug/L	50	50.2	100	70-130	
sec-Butylbenzene	ug/L	50	52.1	104	70-130	
Styrene	ug/L	50	49.9	100	70-130	
tert-Butylbenzene	ug/L	50	42.5	85	70-130	
Tetrachloroethene	ug/L	50	46.6	93	70-130	
Toluene	ug/L	50	49.4	99	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.4	103	70-130	
Trichloroethene	ug/L	50	47.3	95	70-130	
Trichlorofluoromethane	ug/L	50	45.4	91	62-133	
Vinyl chloride	ug/L	50	54.1	108	50-150	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

QC Batch: MSV/32630 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92258453004, 92258453011, 92258453014, 92258453022

METHOD BLANK: 1512486 Matrix: Water
Associated Lab Samples: 92258453004, 92258453011, 92258453014, 92258453022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/18/15 00:47	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/18/15 00:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/18/15 00:47	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/18/15 00:47	
1,1-Dichloroethane	ug/L	ND	1.0	07/18/15 00:47	
1,1-Dichloroethene	ug/L	ND	1.0	07/18/15 00:47	
1,1-Dichloropropene	ug/L	ND	1.0	07/18/15 00:47	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/18/15 00:47	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/18/15 00:47	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/18/15 00:47	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	07/18/15 00:47	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	07/18/15 00:47	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/18/15 00:47	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/18/15 00:47	
1,2-Dichloroethane	ug/L	ND	1.0	07/18/15 00:47	
1,2-Dichloropropane	ug/L	ND	1.0	07/18/15 00:47	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	07/18/15 00:47	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/18/15 00:47	
1,3-Dichloropropane	ug/L	ND	1.0	07/18/15 00:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/18/15 00:47	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	07/18/15 00:47	
2,2-Dichloropropane	ug/L	ND	1.0	07/18/15 00:47	
2-Chlorotoluene	ug/L	ND	1.0	07/18/15 00:47	
4-Chlorotoluene	ug/L	ND	1.0	07/18/15 00:47	
Benzene	ug/L	ND	1.0	07/18/15 00:47	
Bromobenzene	ug/L	ND	1.0	07/18/15 00:47	
Bromochloromethane	ug/L	ND	1.0	07/18/15 00:47	
Bromodichloromethane	ug/L	ND	1.0	07/18/15 00:47	
Bromoform	ug/L	ND	1.0	07/18/15 00:47	
Bromomethane	ug/L	ND	2.0	07/18/15 00:47	
Carbon tetrachloride	ug/L	ND	1.0	07/18/15 00:47	
Chlorobenzene	ug/L	ND	1.0	07/18/15 00:47	
Chloroethane	ug/L	ND	1.0	07/18/15 00:47	
Chloroform	ug/L	ND	1.0	07/18/15 00:47	
Chloromethane	ug/L	ND	1.0	07/18/15 00:47	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/18/15 00:47	
Dibromochloromethane	ug/L	ND	1.0	07/18/15 00:47	
Dibromomethane	ug/L	ND	1.0	07/18/15 00:47	
Dichlorodifluoromethane	ug/L	ND	1.0	07/18/15 00:47	
Ethylbenzene	ug/L	ND	1.0	07/18/15 00:47	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/18/15 00:47	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

METHOD BLANK: 1512486 Matrix: Water
Associated Lab Samples: 92258453004, 92258453011, 92258453014, 92258453022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	1.0	07/18/15 00:47	
m&p-Xylene	ug/L	ND	2.0	07/18/15 00:47	
Methylene Chloride	ug/L	ND	2.0	07/18/15 00:47	
n-Butylbenzene	ug/L	ND	1.0	07/18/15 00:47	
n-Propylbenzene	ug/L	ND	1.0	07/18/15 00:47	
Naphthalene	ug/L	ND	1.0	07/18/15 00:47	
o-Xylene	ug/L	ND	1.0	07/18/15 00:47	
p-Isopropyltoluene	ug/L	ND	1.0	07/18/15 00:47	
sec-Butylbenzene	ug/L	ND	1.0	07/18/15 00:47	
Styrene	ug/L	ND	1.0	07/18/15 00:47	
tert-Butylbenzene	ug/L	ND	1.0	07/18/15 00:47	
Tetrachloroethene	ug/L	ND	1.0	07/18/15 00:47	
Toluene	ug/L	ND	1.0	07/18/15 00:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/18/15 00:47	
Trichloroethene	ug/L	ND	1.0	07/18/15 00:47	
Trichlorofluoromethane	ug/L	ND	1.0	07/18/15 00:47	
Vinyl chloride	ug/L	ND	1.0	07/18/15 00:47	
1,2-Dichloroethane-d4 (S)	%	105	70-130	07/18/15 00:47	
4-Bromofluorobenzene (S)	%	107	70-130	07/18/15 00:47	
Toluene-d8 (S)	%	101	70-130	07/18/15 00:47	

LABORATORY CONTROL SAMPLE: 1512487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.5	101	70-130	
1,1,1-Trichloroethane	ug/L	50	54.7	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.0	100	70-130	
1,1,2-Trichloroethane	ug/L	50	48.1	96	70-130	
1,1-Dichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethene	ug/L	50	55.8	112	70-132	
1,1-Dichloropropene	ug/L	50	53.9	108	70-130	
1,2,3-Trichlorobenzene	ug/L	50	47.3	95	70-135	
1,2,3-Trichloropropane	ug/L	50	48.2	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	48.2	96	70-134	
1,2,4-Trimethylbenzene	ug/L	50	48.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.3	99	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,2-Dichloroethane	ug/L	50	48.7	97	70-130	
1,2-Dichloropropane	ug/L	50	49.7	99	70-130	
1,3,5-Trimethylbenzene	ug/L	50	49.2	98	70-130	
1,3-Dichlorobenzene	ug/L	50	48.8	98	70-130	
1,3-Dichloropropane	ug/L	50	49.6	99	70-130	
1,4-Dichlorobenzene	ug/L	50	48.8	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

LABORATORY CONTROL SAMPLE: 1512487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	1000	1880	188	71-125	L0
2,2-Dichloropropane	ug/L	50	50.7	101	58-145	
2-Chlorotoluene	ug/L	50	49.7	99	70-130	
4-Chlorotoluene	ug/L	50	47.9	96	70-130	
Benzene	ug/L	50	51.3	103	70-130	
Bromobenzene	ug/L	50	46.7	93	70-130	
Bromochloromethane	ug/L	50	52.7	105	70-130	
Bromodichloromethane	ug/L	50	52.8	106	70-130	
Bromoform	ug/L	50	40.9	82	70-130	
Bromomethane	ug/L	50	52.0	104	54-130	
Carbon tetrachloride	ug/L	50	53.0	106	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	49.4	99	64-134	
Chloroform	ug/L	50	53.2	106	70-130	
Chloromethane	ug/L	50	53.2	106	64-130	
cis-1,2-Dichloroethene	ug/L	50	52.2	104	70-131	
Dibromochloromethane	ug/L	50	52.1	104	70-130	
Dibromomethane	ug/L	50	50.5	101	70-131	
Dichlorodifluoromethane	ug/L	50	51.9	104	56-130	
Ethylbenzene	ug/L	50	50.1	100	70-130	
Hexachloro-1,3-butadiene	ug/L	50	48.3	97	70-130	
Isopropylbenzene (Cumene)	ug/L	50	50.8	102	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methylene Chloride	ug/L	50	57.0	114	63-130	
n-Butylbenzene	ug/L	50	47.5	95	70-130	
n-Propylbenzene	ug/L	50	49.1	98	70-130	
Naphthalene	ug/L	50	50.6	101	70-138	
o-Xylene	ug/L	50	51.4	103	70-130	
p-Isopropyltoluene	ug/L	50	47.5	95	70-130	
sec-Butylbenzene	ug/L	50	49.6	99	70-130	
Styrene	ug/L	50	51.4	103	70-130	
tert-Butylbenzene	ug/L	50	41.5	83	70-130	
Tetrachloroethene	ug/L	50	47.3	95	70-130	
Toluene	ug/L	50	50.9	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.7	107	70-130	
Trichloroethene	ug/L	50	48.9	98	70-130	
Trichlorofluoromethane	ug/L	50	49.4	99	62-133	
Vinyl chloride	ug/L	50	55.0	110	50-150	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

MATRIX SPIKE SAMPLE: 1512488

Parameter	Units	92258519001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	18.4	92	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	24.5	122	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.4	107	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	22.3	112	70-130	
1,1-Dichloroethane	ug/L	ND	20	26.5	133	70-130	M1
1,1-Dichloroethene	ug/L	ND	20	27.2	136	70-166	
1,1-Dichloropropene	ug/L	ND	20	28.1	140	70-130	M1
1,2,3-Trichlorobenzene	ug/L	ND	20	18.5	92	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	18.9	95	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	18.9	94	70-130	
1,2,4-Trimethylbenzene	ug/L	ND	20	20.5	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	16.1	81	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.3	102	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	ND	20	20.5	102	70-130	
1,2-Dichloropropane	ug/L	ND	20	24.0	120	70-130	
1,3,5-Trimethylbenzene	ug/L	ND	20	20.3	101	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	20.3	101	70-130	
1,3-Dichloropropane	ug/L	ND	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	19.8	99	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	1190	298	70-130	M0
2,2-Dichloropropane	ug/L	ND	20	22.8	114	70-130	
2-Chlorotoluene	ug/L	ND	20	20.3	101	70-130	
4-Chlorotoluene	ug/L	ND	20	19.3	96	70-130	
Benzene	ug/L	ND	20	26.3	131	70-148	
Bromobenzene	ug/L	ND	20	19.0	95	70-130	
Bromochloromethane	ug/L	ND	20	27.3	136	70-130	M1
Bromodichloromethane	ug/L	ND	20	19.8	99	70-130	
Bromoform	ug/L	ND	20	15.6	78	70-130	
Bromomethane	ug/L	ND	20	22.5	112	70-130	
Carbon tetrachloride	ug/L	ND	20	20.1	100	70-130	
Chlorobenzene	ug/L	ND	20	21.2	106	70-146	
Chloroethane	ug/L	ND	20	22.8	114	70-130	
Chloroform	ug/L	ND	20	25.9	129	70-130	
Chloromethane	ug/L	ND	20	22.9	114	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	25.6	128	70-130	
Dibromochloromethane	ug/L	ND	20	17.8	89	70-130	
Dibromomethane	ug/L	ND	20	22.6	113	70-130	
Dichlorodifluoromethane	ug/L	ND	20	15.4	77	70-130	
Ethylbenzene	ug/L	ND	20	20.6	103	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	20.5	103	70-130	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.8	104	70-130	
m&p-Xylene	ug/L	ND	40	40.7	102	70-130	
Methylene Chloride	ug/L	ND	20	26.7	134	70-130	M1
n-Butylbenzene	ug/L	ND	20	18.5	92	70-130	
n-Propylbenzene	ug/L	ND	20	20.9	104	70-130	
Naphthalene	ug/L	ND	20	20.8	104	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

MATRIX SPIKE SAMPLE: 1512488

Parameter	Units	92258519001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	ND	20	20.3	102	70-130	
p-Isopropyltoluene	ug/L	ND	20	19.9	100	70-130	
sec-Butylbenzene	ug/L	ND	20	20.6	103	70-130	
Styrene	ug/L	ND	20	20.9	105	70-130	
tert-Butylbenzene	ug/L	ND	20	16.9	85	70-130	
Tetrachloroethene	ug/L	ND	20	19.8	99	70-130	
Toluene	ug/L	ND	20	24.8	124	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	26.4	132	70-130	M1
Trichloroethene	ug/L	ND	20	24.0	120	69-151	
Trichlorofluoromethane	ug/L	ND	20	20.5	102	70-130	
Vinyl chloride	ug/L	ND	20	27.5	138	70-130	M1
1,2-Dichloroethane-d4 (S)	%				85	70-130	
4-Bromofluorobenzene (S)	%				105	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1512489

Parameter	Units	92258519002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
1,4-Dioxane (p-Dioxane)	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

SAMPLE DUPLICATE: 1512489

Parameter	Units	92258519002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	114	97	16		
4-Bromofluorobenzene (S)	%	113	110	3		
Toluene-d8 (S)	%	103	105	2		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

QC Batch: MSV/32638 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 92258453004, 92258453005, 92258453006, 92258453007, 92258453008, 92258453009, 92258453010, 92258453011, 92258453012

METHOD BLANK: 1513180 Matrix: Water
Associated Lab Samples: 92258453004, 92258453005, 92258453006, 92258453007, 92258453008, 92258453009, 92258453010, 92258453011, 92258453012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	ND	2.0	07/20/15 12:41	
1,2-Dichloroethane-d4 (S)	%	109	50-150	07/20/15 12:41	
Toluene-d8 (S)	%	100	50-150	07/20/15 12:41	

LABORATORY CONTROL SAMPLE: 1513181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	20	20.7	103	71-125	
1,2-Dichloroethane-d4 (S)	%			103	50-150	
Toluene-d8 (S)	%			98	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1513182 1513183

Parameter	Units	92258453004 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	40	60	37.9	66.8	95	111	50-150	55	30	R1
1,2-Dichloroethane-d4 (S)	%						109	109	50-150		150	
Toluene-d8 (S)	%						97	97	50-150		150	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

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.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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.

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

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
C9	Common Laboratory Contaminant.
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.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TK LOUISVILLE 6122090322
Pace Project No.: 92258453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92258453022	**TK PURGE WATER**	EPA 3010	MPRP/19034	EPA 6010	ICP/17105
92258453022	**TK PURGE WATER**	EPA 7470	MERP/8097	EPA 7470	MERC/7774
92258453001	**MW-3**	EPA 8260	MSV/32572		
92258453002	**MW-10**	EPA 8260	MSV/32572		
92258453003	**MW-22**	EPA 8260	MSV/32572		
92258453004	**MW-5**	EPA 8260	MSV/32630		
92258453005	**MW-14**	EPA 8260	MSV/32608		
92258453006	**MW-19**	EPA 8260	MSV/32608		
92258453007	**MW-20**	EPA 8260	MSV/32572		
92258453008	**MW-25**	EPA 8260	MSV/32608		
92258453009	**MW-27**	EPA 8260	MSV/32572		
92258453010	**MW-28**	EPA 8260	MSV/32572		
92258453011	**DUP-1**	EPA 8260	MSV/32630		
92258453012	**EB-1**	EPA 8260	MSV/32572		
92258453013	**SEEP G**	EPA 8260	MSV/32572		
92258453014	**SEEP H**	EPA 8260	MSV/32630		
92258453015	**MANSON BRANCH #2**	EPA 8260	MSV/32607		
92258453016	**SEEP #2**	EPA 8260	MSV/32607		
92258453017	**MB #3**	EPA 8260	MSV/32607		
92258453018	**MB #5**	EPA 8260	MSV/32607		
92258453019	**MB #15**	EPA 8260	MSV/32607		
92258453020	**MB #16**	EPA 8260	MSV/32607		
92258453021	**TB-1**	EPA 8260	MSV/32572		
92258453022	**TK PURGE WATER**	EPA 8260	MSV/32630		
92258453004	**MW-5**	EPA 8260B Mod.	MSV/32638		
92258453005	**MW-14**	EPA 8260B Mod.	MSV/32638		
92258453006	**MW-19**	EPA 8260B Mod.	MSV/32638		
92258453007	**MW-20**	EPA 8260B Mod.	MSV/32638		
92258453008	**MW-25**	EPA 8260B Mod.	MSV/32638		
92258453009	**MW-27**	EPA 8260B Mod.	MSV/32638		
92258453010	**MW-28**	EPA 8260B Mod.	MSV/32638		
92258453011	**DUP-1**	EPA 8260B Mod.	MSV/32638		
92258453012	**EB-1**	EPA 8260B Mod.	MSV/32638		

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: May 18, 2015 Page 1 of 2*
	Document Number: **F-CHR-CS-003-rev.16**	Issuing Authority: Pace Huntersville Quality Office

Client Name: AMEC

* Page 2 of 2 is for Internal Use Only

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_____

Thermometer Used: IR Gun T1401 **Type of Ice:** (Wet) Blue None

Temp Correction Factor **T1401** No Correction

Corrected Cooler Temp.: 6.0 °C

Temp should be above freezing to 6°C

Biological Tissue is Frozen: Yes No N/A

Comments:

Optional
Proj. Due Date:
Proj. Name:

☑ Samples on ice, cooling process has begun

Date and Initials of person examining contents: AEX 7/14

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:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9. TK Purge water metals Bottles not pace
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☑No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
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:_____ Date/Time:_____

Comments/ Resolution:_____

SCURF Review: JG Date: 7/14/15

SRF Review: JG Date: 7/15/15

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)

Place label here

WO# : 92258453

92258453

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 3

1900263

Section A Required Client Information:

Company: AMEC Foster Wheeler
Address: 1075 Big Shanty RD Suite 100 Kennesaw, GA 30144
Email To: Rhonda Quinn
Phone: 770-421-3400 Fax: 770-421-3456
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

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

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

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

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information / 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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	VOCs List, 1,4-Dioxane	1,4 Dioxane (SIM)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-3	WT				7/8/15	1458		3				X						3				9258451 001
2	MW-5	WT				7/8/15	1610		6										3	3			002
3	MW-10	WT				7/9/15	1248		3										3				003
4	MW-14	WT				7/8/15	1110		6										3	3			004
5	MW-19	WT				7/8/15	1335		6										3	3			005
6	MW-20	WT				7/8/15	1313		6										3	3			006
7	MW-22	WT				7/9/15	1500		3										3				007
8	MW-25	WT				7/9/15	1130		6										3	3			008
9	MW-27	WT				7/8/15	1638		6										3	3			009
10	MW-28	WT				7/8/15	1712		6										3	3			010
11	DUP-1	WT				7/8/15	1200		6										3	3			011
12	EB-1	WT			0700	7/9/15	0900		6										3	3			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VOCs over a site specific list	AMEC Foster Wheeler	7/13/15	1030		7/14/15	10:20	6.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Mark A. Ever G.

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 7/13/15

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

*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

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Page: 2 of 3

1900264

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AMEC Foster Wheeler	Report To: Rhonda Quinn	Attention:
Address: 1075 Big Shanty RD	Copy To: Greg Wrenn	Company Name:
suite 100 Kennesaw, GA 30144		Address:
Email To: Rhonda Quinn	Purchase Order No.:	Pace Quote Reference:
Phone: 770-421-3400 Fax: 770-421-3486	Project Name: TK Louisville	Pace Project Manager:
Requested Due Date/TAT:	Project Number: 6122040322	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: GA

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE	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	Requested Analysis Filtered (Y/N): VOCs List + 1,4-Dioxane	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Seep G					7/9/15	1625		3				X					Y	Y		9225845 3 013
2	seep H					7/9/15	1608		3				X					Y	Y		014
3	Manson Branch #2					7/9/15	1558		3				X					Y	Y		015
4	seep #2					7/9/15	1640		3				X					Y	Y		016
5	MB #3					7/10/15	0945		3				X					Y	Y		017
6	MB #5					7/10/15	1020		3				X					Y	Y		018
7	MB #15					7/10/15	1005		3				X					Y	Y		019
8	MB #16					7/10/15	1040		3				X					Y	Y		020
9	TB-1								2				X					Y	2		021
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VOCs and a site specific list	[signature] AMEC Foster Wheeler	7/13/15	1030	[signature]	7/14/15	10:20	6.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Evan G & Mark A.

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/13/15

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

*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

1900265

Section A Required Client Information:

Company: AMEC Foster Wheeler
Address: 1075 Big Shanty RD
Suite 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 Wynn
Purchase Order No.:
Project Name: TK Louisville
Project Number: 6220903 22

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:

Section D Required Client Information

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

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

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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total Metals	VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TK Purge Water			7/10/15	0850				4			X	X						1	3		92258453 92258442 711415
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: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
RCRA Metals = Total Metals	AMEC Foster Wheeler	7/13/15	1030		7/13/15	10:20	6.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Evan G & Mark A
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 7/13/15

*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.

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC Foster Wheeler Environment & Infrastructure, 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: 7/8/15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1458

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 40.80 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 60.00 55.00

Arrived at: 1325 PURGE VOLUME: 19.2 x .0163 x 3 = 9.39 WELL DIAMETER (inches):

Initial PID = _____ 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: 1340		5.14	26.6	0.08	9.04	500 ( )	41.60
1348	1.00	5.17	26.5	0.09	24.2	500	41.60
1356	2.00	5.12	25.7	0.09	23.3	500	41.60
1404	3.00	5.17	24.8	0.10	8.82	500	41.60
1412	4.00	5.24	24.5	0.10	4.73	500	41.60
1420	5.00	5.31	24.5	0.10	3.09	500	41.60
1428	6.00	5.34	24.6	0.10	2.30	500	41.60
1436	7.00	5.38	24.5	0.10	1.77	500	41.60
1444	8.00	5.39	24.4	0.10	1.51	500	41.60
1452	9.00	5.36	24.5	0.10	1.67	500	41.60
1456	9.50	5.39	24.3	0.10	1.35	500	41.60
1458	Sample	time	MW-3				

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:	Sunny Partly cloudy Hot	
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, NC	
SAMPLER: Mark A.		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 Foster Wheeler Environment & Infrastructure, 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: 7-8-15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1610

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF: DUP-1 DEPTH TO WATER: 38.68 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 54.0 49.0

54 - 38.68 = 15.32 x .17 = 2.60 x 3 = 7.81

Arrived at:_____ PURGE VOLUME: 7.81 WELL DIAMETER (inches):

Initial PID = _____ 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: 1442	0.25	5.64	23.9	0.17	4.36	400 ( )	39.61
1450	1.0	5.55	23.0	0.13	3.30		39.61
1500	2.0	5.54	22.7	0.12	2.92		39.61
1510	3.0	5.50	22.6	0.12	2.98		↓
1520	4.0	5.49	22.4	0.12	2.72		
1530	5.0	5.51	22.3	0.12	1.09		
1540	6.0	5.52	22.3	0.12	0.71		
1550	7.0	5.51	22.3	0.12	0.57		
1600	8.0	5.53	22.3	0 12	0.63		
1610	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	1	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION		
WEATHER:	HOT - HUMID - Clear	
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, 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 Foster Wheeler Environment & Infrastructure, 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: 7/9/15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1248

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 27.81 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 47.68 ~40

Arrived at: 1000 PURGE VOLUME: 19.87 x .163 x 3 = 9.72 WELL DIAMETER (inches):
Initial PID = _____ 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: 1045		5.42	23.6	0.06	4.63	300 ( )	28.71
1057	1.00	5.44	22.4	0.06	3.11	300	28.71
1109	2.00	5.51	21.9	0.06	2.45	300	28.71
1121	3.00	5.53	21.5	0.06	1.65	300	28.71
1133	4.00	5.49	21.5	0.06	1.45	300	28.71
1145	5.00	5.52	21.5	0.06	0.80	300	28.71
1157	6.00	5.61	21.5	0.07	2.19	300	28.71
1209	7.00	5.69	21.5	0.07	2.17	300	28.71
1221	8.00	5.70	21.5	0.07	2.10	300	28.71
1233	9.00	5.73	21.5	0.07	2.19	300	28.71
1245	10.00	5.74	21.4	0.07	2.20	300	28.71
1248	Sample	Hach	MW-10				

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:			
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER: Mark A.		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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-14 Purge** DEPTH TO PRODUCT:_____ DATE: 7-8-15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1110

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 65,35 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 86,5 81,0

86,5 - 65,35 = 21,15 x .17 = 3,59 x 3 = 10,77

Arrived at:_____ PURGE VOLUME: 10,77 → 11,0 WELL DIAMETER (inches):

Initial PID = _____ 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: 917	0,25	6,60	25,5	0,50	148	400 ( )	65,91
925	1,0	6,82	24,1	0,47	64		65,91
945	3,0	6,87	23,8	0,47	45		65,91
1005	5,0	6,88	23,8	0,47	22		↓
1025	7,0	6,84	23,7	0,46	16,3		
1045	9,0	6,84	23,4	0,47	12,1		
1105	11,0	6,84	23,2	0,47	8,62		
1110	Collect	Sample					

COMMENTS: @7,0 Gallons - AIR COMPRESSOR OVERHEATED and STOPPED - -Restarted - Continued Sampling

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	~~1~~ 3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION		
WEATHER:	HOT - SUNNY - HUMID	
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, 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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-19 Purge** DEPTH TO PRODUCT:_____ DATE: 7-8-15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1335

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 30.76 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 46.5 41.0

46.5-30.76=15.74x.17=2.67x3=8.02

Arrived at:_____ PURGE VOLUME: 8.02 WELL DIAMETER (inches):

Initial PID = _____ 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: 1212	0.25	5.81	21.9	0.13	48.4	400 ( )	31.12
1220	1.0	5.74	21.8	0.13	23.8		31.12
1230	2.0	5.67	21.7	0.13	9.98		31.12
1240	3.0	5.56	21.7	0.14	8.05		
1250	4.0	5.58	21.5	0.14	7.31		
1300	5.0	5.58	21.5	0.14	6.33		
1310	6.0	5.56	21.6	0.14	5.84		
1320	7.0	5.54	21.5	0.13	5.33		
1330	8.0	5.53	21.4	0.13	4.80		
1335	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:	HOT - CLEAR & HUMID	
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, 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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-20 Purge** DEPTH TO PRODUCT:_____ DATE: 7/8/15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1313

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 80.81 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 107.0 ~92'

Arrived at: 0956 PURGE VOLUME: 26.19 X .163 X 3 = 12.8 WELL DIAMETER (inches):

Initial PID = _____ 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: 1035		6.96	31.4	0.37	46.5	200 ( )	81.00
1047	1.00	7.01	28.9	0.44	7.10	300	81.00
1059	2.00	6.99	26.3	0.47	2.52	300	81.00
1111	3.00	7.03	23.9	0.48	1.95	300	81.00
1123	4.00	7.04	23.4	0.48	1.55	300	81.00
1135	5.00	7.04	23.1	0.49	2.39	300	81.00
1147	6.00	7.03	23.1	0.49	1.87	300	81.00
1159	7.00	7.04	23.3	0.48	1.65	300	81.00
1211	8.00	7.04	23.3	0.48	1.35	300	81.00
1223	9.00	7.03	23.2	0.48	1.46	300	81.00
1235	10.00	7.04	23.2	0.49	1.24	300	81.00
1247	11.00	7.05	23.3	0.48	1.12	300	81.00
1259	12.00	7.05	23.2	0.48	1.27	300	81.00
1311	13.00	7.05	23.2	0.48	1.06	300	81.00
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	X3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION		
WEATHER:	Sunny Hot Some Clouds	
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, NC	
SAMPLER: Mark A.	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 Foster Wheeler Environment & Infrastructure, 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: 7-9-15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1500

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 90.52 DEPTH TO PUMP (btoc) 109

TOTAL DEPTH: 114.40

114.40 - 90.52 = 23.88 x .17 = 4.05 x 3 = 12.17

Arrived at:_____ 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: 1252	0.25	6.90	24.6	0.54	33.0	400 ( )	90.83
1300	1.0	6.90	22.4	0.55	118.0		90.83
1320	3.0	6.87	21.4	0.55	53.9		
1340	5.0	6.88	21.7	0.55	41.7		
1410	8.0	6.83	21.7	0.55	21.8		
1430	10.0	6.86	22.0	0.55	11.5		
1450	12.0	6.87	22.1	0.55	7.65		
1500	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

GENERAL INFORMATION		
WEATHER:	Hot - Clear - Humid	
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, 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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-25 Purge** DEPTH TO PRODUCT:_____ DATE: 7-9-15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1130

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 75.65 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 107.0 102.0

107 - 75.65 = 31.35 x .17 = 5.32 x 3 = 15.98

Arrived at:_____ PURGE VOLUME: 15.98 WELL DIAMETER (inches):

Initial PID = _____ 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: 847	.25	6.91	25.7	0.50	71.0	400 ( )	76.12
855	1.0	6.94	25.4	0.50	138		76.14
915	3.0	6.88	22.7	0.48	42.3		76.14
945	6.0	6.88	25.0	0.48	36.2		76.14
1015	9.0	6.89	25.2	0.48	18.6		
1035	11.0	6.89	25.7	0.48	6.23		
1055	13.0	6.90	24.8	0.48	1.79		
1115	15.0	6.90	24.2	0.47	0.62		
1125	16.0	6.90	24.0	0.47	0.45		
1130	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	~~1~~ 3	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION			
WEATHER:	Hot - Clear - Humid		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, 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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-27** DEPTH TO PRODUCT:_____ DATE: 7/8/15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1638

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 5.09 DEPTH TO PUMP (btoc)

TOTAL DEPTH: 10.00 _____

Arrived at: 1611 PURGE VOLUME: 4.91 X.04 X3 = 0.59 WELL DIAMETER (inches):

Initial PID = _____ 1-IN

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1615		5.32	24.8	0.07	1.81	200 ( )	5.19
1620	.25	5.15	23.0	0.08	1.21	200	5.19
1625	.50	5.11	22.7	0.07	1.13	200	↓
1630	.75	5.13	22.6	0.07	0.92	200	
1635	1.00	5.12	22.1	0.07	0.95	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	1	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION		
WEATHER:	Sunny pmPC Cloudy Hot	
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, NC	
SAMPLER: Mark A	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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **MW-28** DEPTH TO PRODUCT:_____ DATE: 7/8/15

PURGE METHOD: Low Flow/Low Stress :Pump TIME: 1712

SAMPLE METHOD: Pump GRAB (x) COMPOSITE ( )

DUP./REP. OF:_____ DEPTH TO WATER: 4.70

TOTAL DEPTH: 10

Arrived at: 1647 PURGE VOLUME: 5.3 x .04 x 3 = 0.64 WELL DIAMETER (inches): 1-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: 1650		5.93	21.7	0.16	30.6	200 ( )	5.05
1655	.25	5.93	20.4	0.16	3.21	200	5.05
1700	.50	5.92	20.3	0.15	3.07	200	5.05
1705	.75	5.91	19.9	0.15	1.18	200	✓
1710	1.00	5.91	19.7	0.15	1.31	200	
1712	Sample	Hour	MW-28				

COMMENTS:

CONTAINER SIZE/TYPE	NO.	PRESERVATIVE	ANALYTICAL METHOD	ANALYSIS
40 mL	3	HCL to pH<2	8260B	site-specific Volatiles +1,4 dioxane
40 mL	1	HCL to pH<2	SIM	14 Dioxane

GENERAL INFORMATION			
WEATHER:	Sunny Partly cloudy & Hot		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER:	Mark A	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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: ~~Seep~~ Hanson Branch #2 DEPTH TO PRODUCT:_____ DATE: 7/9/15

PURGE METHOD: NA TIME: 1558

SAMPLE METHOD: Fill bottle from seep water GRAB (x) COMPOSITE ( )

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

TOTAL DEPTH:_____ _____

Arrived at: 1555 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: 1558		5.89	25.5	0.12	4.25	( )	
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:			
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER:	Ever G	OBSERVER:	Mark A

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

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep B DEPTH TO PRODUCT:_____ DATE: 7/9/15

PURGE METHOD: NA TIME:_____

SAMPLE METHOD: Fill bottle from seep water GRAB (x) COMPOSITE ( )

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

TOTAL DEPTH:_____ _____

Arrived at: 1645 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:						( )	
Dry							

COMMENTS: Dry at seep location, hole was dug 6" and did not fill with water

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:		
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, NC	
SAMPLER:		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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep G | DEPTH TO PRODUCT:_____ | DATE: 7/9/15

PURGE METHOD: NA | TIME: 1625

SAMPLE METHOD: Fill bottle from seep water | GRAB (x) COMPOSITE ( )

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

TOTAL DEPTH:_____ | _____

Arrived at: 1615 | 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: 1625		5.03	25.9	0.03	7800	( )	
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:			
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER: Evor G		OBSERVER: Mark A.	

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

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep H DEPTH TO PRODUCT:_____ DATE: 7/9/15

PURGE METHOD: NA TIME: 1608

SAMPLE METHOD: Fill bottle from seep water GRAB (x) COMPOSITE ( )

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

TOTAL DEPTH:_____ _____

Arrived at: 1605 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: 1604		5.11	25.4	0.07	7800	( )	
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:			
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER: Ever G		OBSERVER: Mark A.	

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

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep I DEPTH TO PRODUCT:_____ DATE: 7/9/15

PURGE METHOD: NA TIME:_____

SAMPLE METHOD: Fill bottle from seep water GRAB (x) COMPOSITE ( )

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

TOTAL DEPTH:_____ _____

Arrived at: 1650 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:						( )	
		seep					

COMMENTS: Dry at V location, hole dug 6" and did not fill with water

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:	
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: Seep 2 DEPTH TO PRODUCT:_____ DATE: 7/9/15

PURGE METHOD: NA TIME:_____

SAMPLE METHOD: Fill bottle from seep water GRAB (x) COMPOSITE ( )

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

TOTAL DEPTH:_____ _____

Arrived at: 1710 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:						( )	
COMMENTS:	Dry at seep location, hole was dug to 6" and did not fill with water						

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:		
SHIPPED VIA:	FedEX	
SHIPPED TO:	Pace Analytical-Huntersville, NC	
SAMPLER:		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 Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Seep 2** DEPTH TO PRODUCT:_____ DATE: 7/9/15

PURGE METHOD: NA TIME: 1640

SAMPLE METHOD: Fill bottle from seep water GRAB (x) COMPOSITE ( )

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

TOTAL DEPTH:_____ _____

Arrived at: 1630 PURGE VOLUME:_____ WELL DIAMETER (inches):

Initial PID = _____ NA

Bailing PID = _____ [HAND AUGER WELL]

TIME	VOL. PURGED (gal)	pH	TEMPERATURE (°C)	SPEC. COND. (mS/cm)	TURB. (NTU)	Pump Rate ml/min. (& pump setting)	New Water Level
Initial: 1640		5.75	24.6	0.04	3.65	( )	
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:			
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER: Ever G		OBSERVER: Mark A	

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

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Surface Water** MB #3 DEPTH TO PRODUCT:_____ DATE: 7/10/15

PURGE METHOD: NA TIME: 0945

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: 0940 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: 0945		6.28	26.6	0.09	21.8	( )	
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:	Sunny Clear Hot		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER:	Mark N.	OBSERVER:	Elvia G

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

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Surface Water** ~~ABH-5~~ DEPTH TO PRODUCT:_____ DATE: 7/10/15

PURGE METHOD: NA TIME: 1020

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: 1015 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: 1020		6.32	26.2	.408	19.0	( )	
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:	Sunny Clear Hot		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER: Evan G		OBSERVER:	Mark A.

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

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Surface Water** MW15 DEPTH TO PRODUCT:_____ DATE: 7/10/15

PURGE METHOD: NA TIME: 1005

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: 1000 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: 1005		6.29	26.2	.07	22.8	( )	
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:	Sunny Clear Hot		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER: Evor G		OBSERVER: Mark A.	

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

TK LOUISVILLE FIELD SAMPLING REPORT

PROJECT NO: 6122-09-0322

AMEC Foster Wheeler Environment & Infrastructure, Inc.
1075 BIG SHANTY ROAD SUITE 100 KENNESAW GA 30144
PHONE: (770) 421-3400 / FAX: (770) 421-3486

WELL ID: **Surface Water** MBH16 DEPTH TO PRODUCT:_____ DATE: 7/10/15

PURGE METHOD: NA TIME: 1040

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: 1036 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: 1040		6.37	26.1	0.04	29.4	( )	
COMMENTS:							

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

GENERAL INFORMATION			
WEATHER:	Sunny Clear Hot		
SHIPPED VIA:	FedEX		
SHIPPED TO:	Pace Analytical-Huntersville, NC		
SAMPLER:	Errr G	OBSERVER:	MnnR A.

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