

**Georgia Environmental Protection Division
Land Protection Branch
Response and Remediation Program
Response Development Units 1 – 3**

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Name of Document: Post VRP CSR Monitoring Report

Date of Document: January 31, 2018

Site Name: Thermo King Corporation – Louisville, Georgia

Site ID Number: HSI 10702/Parcel 0090-024

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Signature:

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POST-VRP CSR MONITORING REPORT

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: January 31, 2018

Prepared by: Amec Foster Wheeler Environment & Infrastructure, Inc.
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Project No.: 6122-09-0322

TABLE OF CONTENTS

1.0	PROFESSIONAL GROUNDWATER SCIENTIST CERTIFICATION	1-1
2.0	INTRODUCTION AND BACKGROUND	2-1
3.0	WORK PERFORMED JANUARY TO DECEMBER 2017.....	3-1
3.1	Post-VRP CSR Annual Seep and Surface Water Sampling and Analysis.....	3-1
3.1.1	Seep Samples	3-1
3.1.2	Surface Water Samples	3-1
3.1.3	Inspections of the Engineering Controls.....	3-2
3.1.4	Financial Assurance	3-2
3.2	Analytical Results.....	3-3
3.2.1	Seeps	3-3
3.2.2	Surface Water.....	3-3
4.0	PLANNED 2018 ACTIVITIES.....	4-1

Table

Table 1 Summary of Detected Constituents in Seep and Surface Water Samples

Figures

- | | |
|----------|---|
| Figure 1 | Site Plan |
| Figure 2 | Time Trend of TCE in Seeps (2012-2017) |
| Figure 3 | Time Trend of Cis-1,2-Dichloroethene in Seeps (2012-2017) |
| Figure 4 | Time Trend of 1,1-Dichloroethene in Seeps (2012-2017) |
| Figure 5 | Time Trend of 1,1-Dichloroethane in Seeps (2012-2017) |
| Figure 6 | Time Trend of Toluene in Seeps (2012-2017) |
| Figure 7 | Time Trend of Vinyl Chloride in Seeps (2012-2017) |

Appendices

- | | |
|------------|---|
| Appendix A | Laboratory Reports and Field Sampling Forms for November 2017 Seep and Surface Water Sampling Event |
| Appendix B | Inspection Checklists for Rip-Rap Blanket and Building Floor Slab |

1.0 PROFESSIONAL GROUNDWATER SCIENTIST CERTIFICATION

I certify that I am a qualified ground-water scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in ground-water hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding ground-water monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction.



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



Date

2.0 INTRODUCTION AND BACKGROUND

This Post-Voluntary Remediation Program-Compliance Status Report (Post-VRP CSR) Monitoring Report, is the second report in the post-VRP CSR monitoring period. The first report in the post-VRP CSR monitoring period was submitted on December 16, 2016. Ten VRP Status Reports (documenting 5 years of monitoring from March 2011 through December 2015) were submitted to the Georgia Environmental Protection Division (EPD) in accordance with the Voluntary Remediation Program (VRP) for the Thermo King Corporation site, Hazardous Site Inventory (HSI) No. 10702/Tax Parcel 0090-024. This Monitoring Report covers the activities conducted from January through December 2017 and documents the monitoring and inspections described in the March 10, 2016 VRP CSR. These activities included annual seep and surface water monitoring conducted in November 2017, and the annual inspections of the rip-rap blanket and building floor slab.

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. Ten Status Reports were submitted to EPD covering the time period from March 2011 to December 2015. A VRP CSR was prepared and submitted to EPD on March 10, 2016 and EPD's approval and/or comments on the CSR are pending. The VRP CSR presented data along with a fate-and-transport groundwater model to demonstrate:

- The engineering (building floor slab and rip-rap blanket) and institutional (Environmental Covenant) controls are effective in limiting exposure to VOCs in soils, groundwater and precluding the surface expression of seep waters containing constituents at concentrations above Instream Water Quality Criteria (ISWQC).
- Constituents in the Uppermost Water-Bearing Zone have not and will not impact Manson Branch at concentrations exceeding their respective ISWQC.
- Contaminant migration in the Intermediate Water-Bearing Zone will stabilize and recede before constituent concentrations exceed maximum contaminants levels (MCLs) at the property line.
- Based on the five years of monitoring and results of groundwater modeling, Thermo King requested that groundwater monitoring be discontinued and annual seep and surface water monitoring be conducted along with inspections and maintenance of the engineering controls as appropriate continuing actions to protect human health and the environment.

EPD conducted a site visit on March 29, 2016 to review the engineering controls and site conditions as part of the VRP process.

EPD provided comment on the CSR in their November 30, 2017 letter. Thermo King's responses to these EPD comments are due January 31, 2018.

3.0 WORK PERFORMED JANUARY TO DECEMBER 2017

The post-CSR activities currently identified to be performed at the Thermo King site are described in the VRP CSR, dated March 10, 2016. Activities conducted in 2017 include post-CSR annual seep and surface water sampling and analysis, annual inspections of the engineering controls, and annual update of the financial assurance. These activities are described in the following sections.

3.1 Post-VRP CSR Annual Seep and Surface Water Sampling and Analysis

Per the VRP Remediation Plan (December 2010) groundwater was monitored for five years (ten monitoring events) and the results were documented in the ten Status Reports (2011 through December 2015). The groundwater was also monitored prior to the VRP from 2000 through 2010. The VRP and prior groundwater monitoring results, along with the fate-and-transport groundwater modeling, indicated the VOC groundwater plumes will stabilize and recede before constituent concentrations exceed MCLs at the property line. In the VRP CSR, submitted in March 2016, it was proposed that monitoring of the groundwater be discontinued and seep and surface water monitoring be conducted annually to confirm that the rip-rap blanket has been effective in precluding the surface expression of seep waters containing constituents at concentrations above ISWQC and that seep waters in uncovered seeps do not exceed ISWQC along with continued evaluation of concentration trends.

3.1.1 Seep Samples

Water samples were collected on November 13, 2017 from five of the seven seeps (MB#2, Seep 2, Seep G, Seep H, and Seep I) as listed Appendix G of the VRP CSR. Seeps B and L were dry during the sampling event and were not sampled. Seeps MB#2 and H are encased in perforated plastic culvert-style pipes inserted over the original seep locations when the rip-rap blanket was installed in 2012. Samples of the seep water were collected by directly filling 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 1; the field sampling forms and laboratory reports are provided in Appendix A. The November 2017 seep samples were analyzed by Pace Analytical Laboratory in Huntersville, North Carolina.

3.1.2 Surface Water Samples

Surface water samples were collected from Manson Branch on November 13, 2017. Surface water samples were collected from four stream locations (MB#3, MB#5, MB#15, and MB#16). 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 1, 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.

3.1.3 Inspections of the Engineering Controls

The area of the main building floor slab covering the former degreasing operations and the rip-rap blanket have been designated as engineering controls (Figure 1). The building floor slab prevents exposure to VOC-impacted soils underlying the building in the area of the former degreasers. The rip-rap blanket precludes the surface expression of seep waters with VOC concentrations above the ISWQC. Both structures were visually inspected during the November 2017 sampling event to evaluate if they were functioning as intended.

Designated Area of the Building Floor Slab

The building is currently vacant. The floor slab in the middle third of the building (Figure 1) where degreasing operations were conducted and where releases to soil exceeding Risk Reduction Standards have been detected was inspected. The floor slab in the degreaser area is functioning as a designated engineering control in preventing direct exposure to VOC-impacted soils in this area. The inspection showed that there were no openings in the floor slab that would allow for direct contact with underlying soils. There was a half-inch separation between the wall and the floor in a building addition area on the west side of the main building, but there was no soil present in the separation and the separation did not appear to be a new occurrence. There was no visible evidence that repairs or recent wear had occurred.

Rip-Rap Blanket

The rip-rap blanket was constructed to preclude the surface expression of seep waters with VOC concentrations above the ISWQC. The inspection showed that the rip-rap blanket is functioning as designed and that seeps with VOCs concentrations above ISWQC (Seeps MB#2 and H) are covered by the rip-rap. The seep water was flowing beneath the rip-rap and not surfacing, there was no apparent sediment build-up, and the sampling vaults were in good condition. Some vegetation (weedy vegetation and leaf litter) and dead-fall trees limbs were present around the rip-rap material. The vegetation is not currently interfering with the function of the blanket and will be killed-off with winter weather. The blanket was cleared of vegetation in March 2017. Vegetation growth will need to be monitored to prevent vegetation from growing up through the blanket and clogging the pore spaces in the rip-rap.

As a result of surface water run-off along the side of the road that then crosses the road in a low-lying area, there is minor erosion at the end of the access road before it reaches the MB#2 rip-rap blanket area. The erosion does not interfere with the function of the blanket, but will need to be repaired in the future to limit further erosion of the access road. Appendix B contains the inspection checklists and photographs for the inspections.

3.1.4 Financial Assurance

The financial assurance for 2017 was submitted to EPD on May 1, 2017. The 2017 VRP financial assurance was a letter confirming the existing cost estimate and financial assurance amount continues to be sufficient to cover the cost of post-VRP CSR activities as presented in the VRP CSR (March 2016). An Irrevocable Standby Letter of Credit in the amount of \$396,237.00 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 the November 2017 seep and surface water samples.

3.2.1 Seeps

Historic seep sampling results, including those collected in November 2017, are presented on Table 1. The reported November 2017 VOC concentrations in seep samples are similar to those recently reported. Consistent with the 2016 sampling results, 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 (Seeps #2, G, and I) located outside the riprap blanket.

Figures 2 through 7 show time trend plots of six VOCs detected in the seeps for the period from late 2011 through 2017. These figures illustrate that VOC concentrations in most seeps have been relatively stable or are decreasing. Increases in cis-1,2-dichloroethene were observed in samples from several seeps, most notably in samples from Seep H.

3.2.2 Surface Water

Surface water samples were collected from the four designated sampling locations in Manson Branch (MB#3, MB#5, MB#15, and MB#16) and were analyzed for site-specific VOCs and 1,4-dioxane. Consistent with sampling results for the past 17 years, no constituents were detected in the Manson Branch surface water samples (Table 1).

4.0 PLANNED 2018 ACTIVITIES

The activities planned for 2018 include sampling, inspection, and reporting conducted annually as described in the March 10, 2016 VRP CSR. Additional activities will be those conducted in response to EPD's review of Ingersoll Rand's January 31, 2018 submittal addressing EPD's November 30, 2017 comments on the CSR. Specifically, it is anticipated the 2018 activities will include the following:

- In the Spring, vegetation growth will be cleared from the rip-rap blankets and the area above the check dam will be re-inspected.
- Annual seep and surface water sampling will be conducted in November. The engineering controls (rip-rap blanket and building floor slab) will be inspected. A report or the sampling results and inspection observations will be prepared upon receipt of the analytical results.
- Ingersoll Rand's responses to EPD comments on the March 10, 2016 VRP CSR will be submitted to EPD on January 31, 2018. Any activities required as part of that submittal will be conducted during the year.

TABLE

TABLE 1: 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		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	Test America - North Canton	Test America - North Canton					
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/L)														
1,1,1-Trichloroethane	not established	<5.0	<5.0	<5.0	200	160	170	290	15	39	300	1900	320	8.4	DRY not sampled
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	
Chloromethane	not established	<5.0	<10.0	<5.0	<5.0	<33	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<10.0	
cis-1,2-Dichloroethene	not established	<5.0	<2.5	<5.0	36	30	27	59	36	61	<250	<620	<190	89	
Ethylbenzene	2100	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	<4.0	<6.7	<250	<620	<190	<5.0	
p-Isopropyltoluene	not established	<5.0	<5.0	<5.0	<5.0	<17	<5.0	<25.0	NA	NA	NA	NA	NA	<5.0	
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 1: 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		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	12/15/2015	11/17/2016	11/13/2017		
Laboratory		Test America - North Canton	Test America - Tampa	AES-Atlanta	AES-Atlanta	AES-Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical									
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/L)																		
1,1,1-Trichloroethane	not established	61	21	13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
1,1,2-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	<1.0	<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	<1.0	<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	3.1	1.6	<1.0	<1.0	
1,4-Dioxane	not established	<2500	NA	<100	<100	<100	NA	<250	<50	<50	<150	<150	<150	<150	<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	<2.0	<2.0	<2.0	<2.0	
Chloroethane	not established	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	3.8	1.3	<1.0	1.8	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0	<1.0	
Chloromethane	not established	<50	<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	not established	180	70	85	95	46	170	170	130	18	6.5	12.2	3.8	3.3	6.8	5.9	14.3		
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	<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	<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	<1.0	<1.0	<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	<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	<1.0	<1.0	<1.0	5.2	
Vinyl Chloride	2.4	<50	2.5	2.5	20	9.3	84	71	81	21	13.8	31	15	12.4	30.6	18.1	6.3		
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	<20	NA	NA	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	0	NA	NA		

TABLE 1: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		Manson Branch #3 (MB#3)													Manson Branch #4
Sample Location		Surface water in Manson Branch located 500 ft downstream of Hwy 24													Surface water in Manson Branch located 700 ft downstream of Hwy 24
Sample Date		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	12/16/2015	11/17/2016	11/13/2017	6/7/2000
Laboratory		STL- North Canton	TestAmerica - Tampa	AES- Atlanta	AES- Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	STL- North Canton						
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/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	<1.0	<1.0	<1.0	<5.0
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	<1.0	<1.0	<1.0	<5.0
1,1-Dichloroethene	7100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
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	<1.0	<1.0	<1.0	<5.0
1,4-Dioxane	not established	<250	NA	<100	<100	<50	<50	<150	<150	<150	<150	<150	<150	<150	<250
Bromomethane	1500	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0
Chloroethane	not established	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
Chloroform	470	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Chloromethane	not established	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0
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	<1.0	<1.0	<1.0	<2.5
Ethylbenzene	2100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
p-Isopropyltoluene	not established	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Toluene	5980	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
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	<1.0	<1.0	<1.0	<2.5
Trichloroethene	30	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Vinyl Chloride	2.4	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		Manson Branch #5 (MB#5)													Manson Branch #6	Manson Branch #7	Manson Branch #8	Manson Branch #9	Manson Branch #10	Manson Branch #11	Manson Branch #12
Sample Location		Surface water in Manson Branch located 900 ft downstream of Hwy 24													Surface water in Manson Branch located 1100 ft downstream of Hwy 24	Surface water in Manson Branch located 1300 ft downstream of Hwy 24	Surface water in Manson Branch located 1575 ft downstream of Hwy 24	Surface water in Manson Branch located 2900 ft upstream of Hwy 17	Surface water in Manson Branch located 2100 ft upstream of Hwy 17	Surface water in Manson Branch located 1200 ft upstream of Hwy 17	Surface water in Manson Branch located at Hwy 17 bridge
Sample Date		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	12/16/2015	11/17/2016	11/13/2017	6/7/2000	6/7/2000	6/7/2000	6/6/2000	6/6/2000	6/6/2000	6/6/2000
Laboratory		STL- North Canton	TestAmerica - Tampa	AES- Atlanta	AES- Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton						
Constituent (ug/L)	Georgia Instream Water Quality Criteria (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	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
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	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	7100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
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	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dioxane	not established	<250	NA	<100	<100	<50	<50	<150	<150	<150	<150	<150	<150	<150	<250	<250	<250	<250	<250	<250	<250
Bromomethane	1500	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloroethane	not established	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloroform	470	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane	not established	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
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	<1.0	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	2100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
p-Isopropyltoluene	not established	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	5980	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
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	<1.0	<1.0	<1.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	30	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Chloride	2.4	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		Manson Branch #14			Manson Branch #15 (MB#15)																
Sample Location		Surface water in Manson Branch located at Hwy 24 bridge			Surface water in Manson Branch located about 450 ft downstream of Hwy 24 bridge																
Sample Date		1/15/2003	2/26/2008	4/22/2010	1/15/2003	2/27/2008	4/21/2010	6/7/2011	1/17/2012	7/10/2012	1/8/2013	7/10/2013	1/9/2014	6/24/2014	1/14/2015	7/10/2015	12/16/2015	11/17/2016	11/13/2017		
Laboratory		STL- North Canton	Test America - North Canton	Test America - North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton	AES- Atlanta	AES- Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical									
Constituent (ug/L)	Georgia Instream Water Quality Criteria (µg/L)																				
1,1,1-Trichloroethane	not established	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,2-Trichloroethane	16	<1.0	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethene	7100	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethane	not established	<1.0	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,4-Dioxane	not established	<200	<250	<250	<200	<250	<250	NA	<100	<100	<50	<50	<150	<150	<150	<150	<150	<150	<150	<150	
Bromomethane	1500	<1.0	<10.0	<10.0	<1.0	<10.0	<10.0	<5.0	<5.0	<5.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
Chloroethane	not established	<1.0	<10.0	<10.0	<1.0	<10.0	<10.0	<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	
Chloroform	470	<1.0	<1.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloromethane	not established	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<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	not established	<0.50	<2.5	<2.5	<0.50	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<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	<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	<1.0	<1.0	
p-Isopropyltoluene	not established	NA	<5.0	<5.0	NA	<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	<1.0	<1.0	
Toluene	5980	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,2-Dichloroethene	10000	<0.50	<2.5	<2.5	<0.50	<2.5	<2.5	<1.0	<1.0	<1.0	<1.0	<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	<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	<1.0	<1.0	
Vinyl Chloride	2.4	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

TABLE 1: 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		1/15/2003	2/27/2008	4/21/2010	6/7/2000	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	12/15/2015	11/17/2016	11/13/2017	
Laboratory		STL- North Canton	Test America - North Canton	Test America - North Canton	STL- North Canton	Test America - Tampa	AES- Atlanta	AES-Atlanta	Test America - North Canton	Test America - North Canton	Pace Analytical		Pace Analytical					
Constituent (ug/L)	Georgia Instream Water Quality Criteria (µg/L)																	
1,1,1-Trichloroethane	not established	<1.0	<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	
1,1,2-Trichloroethane	16	<1.0	<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	7100	<1.0	<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	not established	<1.0	<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	
1,4-Dioxane	not established	<200	<250	<250		NA	<100		<50	<50	<150		<150	<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	<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	<1.0	<1.0	
Chloroform	470	<1.0	<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	
Chloromethane	not established	<1.0	<10.0	<10.0	<10	<5.0	<5.0		<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	
cis-1,2-Dichloroethene	not established	<0.50	<2.5	<2.5	<2.5	<1.0	<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	<5.0	<1.0	<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	<5.0	<1.0	<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	<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	10000	<0.50	<2.5	<2.5	<2.5	<1.0	<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	<5.0	<1.0	<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	<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 - Selective Ion Monitoring SW8260B	not established	NA	NA	NA		<2.0	NA		NA	NA	NA		NA	NA	NA	NA	NA	

TABLE 1: 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		6/7/2000	11/2/2000	1/15/2003	3/24/2004	June 6-7, 2000	6/23/2004	8/30/2004	June 6-7, 2000	11/17/2004	2/27/2008	4/21/2010	6/7/2000	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	STL- North Canton	Test America - North Canton	Test America - North Canton	STL- North Canton	Test America - Tampa	AES- Atlanta	AES- Atlanta	AES- Atlanta		
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/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	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1,2-Trichloroethane	16	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,1-Dichloroethene	7100	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0	1.7	<1.0	<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	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	
1,4-Dioxane	not established	<250	<250	<200	<250		<250	<250		<250	<250	<250	NA	<100	<100	<100	<100	
Bromomethane	1500	<10.0	<10.0	<1.0	<5.0	<5.0	<5.0	<5.0		<5.0	<10.0	<10.0	<5.0	<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		<5.0	<10.0	<10.0	<5.0	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Chloromethane	not established	<10.0	<5.0	<1.0	<5.0	<10	<5.0	<5.0		<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	
cis-1,2-Dichloroethene	not established	3.8	7.9	<0.50	<5.0	<2.5	<5.0	<5.0	<2.5	<5.0	<2.5	<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	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	
p-Isopropyltoluene	not established	<5.0	<5.0	NA	NA	<5.0	NA	NA		NA	<5.0	<5.0	4.5	<1.0	<1.0	<1.0	<1.0	
Toluene	5980	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.0	<1.0	33	26		
trans-1,2-Dichloroethene	10000	<2.5	<2.5	<0.50	<5.0	<2.5	<5.0	<5.0	<2.5	<5.0	<2.5	<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	<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	<5.0	<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 1: SUMMARY OF DETECTED
 CONSTITUENTS IN SEEPS
 AND SURFACE WATER

Sample Identification		Manson Branch Seep West #2 (Seep #2)												Seep A							
Sample Location		Seep Located 350 ft downstream of Hwy 24 on the west bank												Northeast Corner Thermo King Eastern Parcel							
Sample Date		11/19/2012	1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/24/2014	1/14/2015	7/9/2015	12/15/2015	11/17/2016	11/13/2017	1/15/2003	3/24/2004	6/23/2004	8/31/2004	11/17/2004	2/26/2008	4/21/2010		
Laboratory		AES-Atlanta	TestAmeric a - NorthCanto n	TestAmeric a - NorthCanto n	TestAmeric a - NorthCanto n	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 (ug/L)	Georgia Instream Water Quality Criteria (µg/L)																				
1,1,1-Trichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<1.0	<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	1.0	<1.0	1.1	<1.0								
1,1-Dichloroethane	not established	<1.0	<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	not established	NA	<50	<50	<50	<150	<150	<150	<150	<150	<150	<150	<150								
Bromomethane	1500	<5.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<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	<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	<1.0	<1.0	<1.0	<1.0								
Chloromethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0								
cis-1,2-Dichloroethene	not established	23	21	18	11	3	7.1	3.9	13.4	8.1	6.6	15.3	<0.50								
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0	<1.0	NA							
Toluene	5980	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	10000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50							
Trichloroethene	30	23	26	13	4.5	2.5	1.7	6.1	1.0	6.9	3.2	2.8	<1.0								
Vinyl Chloride	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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 - Selective Ion Monitoring SW8260B	not established	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1: SUMMARY OF DETECTED
 CONSTITUENTS IN SEEPS
 AND SURFACE WATER

Sample Identification		Seep B											
Sample Location		Thermo King Eastern Parcel											
Sample Date		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	AES- Atlanta	AES- Atlanta	AES- Atlanta			
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/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		
Chloromethane	not established	<1.0	<5.0	<5.0	<5.0	<8.4	<10.0				<5.0		
cis-1,2-Dichloroethene	not established	<0.50	<5.0	<5.0	<5.0	16	<2.5				<1.0		
Ethylbenzene	2100	<1.0	<5.0	<5.0	<5.0	<8.4	<5.0				<1.0		
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 1: SUMMARY OF DETECTED
 CONSTITUENTS IN SEEPS
 AND SURFACE WATER

Sample Identification		Seep B									
Sample Location		Thermo King Eastern Parcel									
Sample Date		11/19/2012	1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/24/2014	1/14/2015	7/9/2015	12/15/2015	11/17/2016 and 11/13/2017
Laboratory		AES- Atlanta	Test America - North Canton	Test America - North Canton	Test America - North Canton	Pace Analytical		Pace Analytical	Pace Analytical	Pace Analytical	Pace Analytical
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/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	<1.0		<1.0		<1.0	
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	
Chloromethane	not established	<5.0	<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		9.3		7.9	
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0		<1.0	
p-Isopropyltoluene	not established	<1.0	<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		1.7	
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	6.3	1.2	1.4		2		1.5	
Vinyl Chloride	2.4	<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	

TABLE 1: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		Seep C												Seep D								
Sample Location		Thermo King Eastern Parcel, down slope of the draw												Thermo King Eastern Parcel								
Sample Date		1/15/2003	3/24/2004	6/23/2004	8/31/2004	11/17/2004	2/27/2008	4/21/2010	6/2/2010	6/7/2011	1/17/2012	7/10/2012 (not sampled at Seep C location)	8/7/2012	1/15/2003	3/24/2004	6/23/2004	8/31/2004	11/17/2004	2/27/2008	4/21/2010		
Laboratory		STL-North Canton	STL-North Canton	STL-North Canton	STL-North Canton	STL-North Canton	Test America - North Canton	AES-Atlanta	AES-Atlanta	AES-Atlanta	STL-North Canton	STL-North Canton	STL-North Canton	STL-North Canton	STL-North Canton	Test America - North Canton	Test America - North Canton					
Constituent (ug/L)	Georgia Instream Water Quality Criteria (µg/L)																					
1,1,1-Trichloroethane	not established	120	<140	<5.0	380	380	49	28	NA	32	32	<1.0		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
1,1,2-Trichloroethane	16	<25	<140	<5.0	<310	<190	<10.0	<12	NA	1.0	<1.0	<1.0		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
1,1-Dichloroethene	7100	110	<140	<5.0	<310	240	99	64	NA	87	140	1.8		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
1,1-Dichloroethane	not established	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	4.0	7.3		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
1,4-Dioxane	not established	<1200	<7100	<250	<16000	<9600	<500	<620	NA	NA	<100	<100										
Bromomethane	1500	<1.0	<140	<5.0	<310	<190	<20.0	<25	NA	<5.0	<5.0	<5.0		<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<10.0	
Chloroethane	not established	<25	<140	<5.0	<310	<190	<20.0	<25	NA	<5.0	<5.0	<5.0		<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<10.0	
Chloroform	470	<25	<140	<5.0	<310	<190	<10.0	<12	NA	2.3	2.5	<1.0		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
Chloromethane	not established	<25	<140	<5.0	<310	<190	<20.0	<25	NA	<5.0	<5.0	<5.0		<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<10.0	
cis-1,2-Dichloroethene	not established	13	<140	<5.0	<310	<190	11	12	NA	19	130	32		<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5	
Ethylbenzene	2100	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	<1.0	25		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
p-Isopropyltoluene	not established	NA	NA	NA	NA	NA	<10.0	<12	NA	<1.0	<1.0	<1.0		NA	NA	NA	NA	NA	<5.0	<5.0	<5.0	
Toluene	5980	<25	<140	<5.0	<310	<190	<10.0	<12	NA	<1.0	<1.0	180		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
trans-1,2-Dichloroethene	10000	<12	<140	<5.0	<310	<190	<5.0	<12	NA	<1.0	<1.0	<1.0		<0.50	<5.0	<5.0	<5.0	<5.0	<2.5	<2.5	<2.5	
Trichloroethene	30	840	720	<5.0	1300	1000	670	500	NA	530	880	<1.0		<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
Vinyl Chloride	2.4	<25	<57	<2.0	<120	<77	<10.0	<12	NA	<1.0	11	14		<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	<5.0	<20	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	

TABLE 1: SUMMARY OF DETECTED
 CONSTITUENTS IN SEEPS
 AND SURFACE WATER

Sample Identification		Seep E			Seep F			Seep G											
Sample Location		South portion Thermo King Eastern Parcel			South portion Thermo King Eastern Parcel			Thermo King Eastern Parcel											
Sample Date		1/15/2003	3/24/2004 and 6/23/2004	8/31/2004 and 11/17/2004	1/15/2003	3/24/2004 and 6/23/2004	8/31/2004 and 11/17/2004	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	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	AES-Atlanta
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/L)																		
1,1,1-Trichloroethane	not established	<1.0			<1.0			<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			<1.0			<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			<1.0			<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			<1.0			<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			<1.0			<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	<1.0	<1.0	<1.0
Chloromethane	not established	<1.0			<1.0			<1.0	<5.0	<5.0	<7.2	<5.0	<10.0	<10.0		<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	not established	<0.50			<0.50			0.73	13	9.3	<7.2	<5.0	<2.5	7.7		7.4	49	6.2	7.6
Ethylbenzene	2100	<1.0			<1.0			<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	NA			NA			NA	NA	NA	NA	NA	<5.0	<5.0		<1.0	<1.0	<1.0	2.6
Toluene	5980	<1.0			<1.0			<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			<0.50			<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			<1.0			<1.0	<5.0	<5.0	<7.2	<5.0	<5.0	<5.0		2.6	<1.0	<1.0	3.8
Vinyl Chloride	2.4	<1.0			<1.0			<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 1: 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		1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/24/2014	1/14/2015	7/9/2015	12/15/2015	11/17/2016	11/13/2017	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	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton							
Constituent (ug/L)	Georgia Instream Water Quality Criteria (µg/L)																		
1,1,1-Trichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<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	1.2	1.6	<1.0	<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	<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	<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	<2.0	<2.0	<2.0	<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	<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	<1.0	<1.0	<1.0	<5.0	<8.4	<5.0	<5.0	<5.0	<5.0	
Chlormethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.20J	<1.0	<1.0	1.7	<1.0	<5.0	<8.4	<5.0	<5.0	<10.0	<10.0	
cis-1,2-Dichloroethene	not established	11	9.7	6.4	3.2	11	9.6	20.2	11	12.7	2.0	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	<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	<1.0	1.4	<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	<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	<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	2.4	<1.0	<1.0	2.0	<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	<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	NA	NA	NA	

TABLE 1: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		Seep H												
Sample Location		Thermo King Eastern Parcel												
Sample Date		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 (ug/L)	Georgia Instream Water Quality Criteria (ug/L)													
1,1,1-Trichloroethane	not established	<2.0	DRY not sampled	<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
Chloromethane	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
cis-1,2-Dichloroethene	not established	63		16	110	120	64	47	45	64	22.3	45.2	33.8	75.9
Ethylbenzene	2100	<2.0		<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 1: SUMMARY OF DETECTED
 CONSTITUENTS IN SEEPS
 AND SURFACE WATER

Sample Identification			Seep H			Seep I											
Sample Location		Thermo King Eastern Parcel			Thermo King Eastern Parcel												
Sample Date		12/15/2015	11/17/2016	11/13/2017	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		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	Test America - Tampa	AES-Atlanta	AES-Atlanta			
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/L)																
1,1,1-Trichloroethane	not established	3.1	1.2	<1.0	<1.0	<5.0	<5.0			<5.0	<5.0	<1.0	<1.0	9.5			
1,1,2-Trichloroethane	16	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0			<5.0	<5.0	<1.0	<1.0	<1.0			
1,1-Dichloroethene	7100	30.7	19.4	19.5	<1.0	<5.0	<5.0			<5.0	<5.0	9.3	<1.0	60			
1,1-Dichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0			<5.0	<5.0	1.9	<1.0	<1.0			
1,4-Dioxane	not established	<150	<150	<150	<200	<250	<250			<250	<250	NA	<100	<100			
Bromomethane	1500	<2.0	<2.0	<2.0	<1.0	<5.0	<5.0			<5.0	<10.0	<10.0	<5.0	<5.0			
Chloroethane	not established	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0			<5.0	<10.0	<10.0	<5.0	<5.0			
Chloroform	470	1.5	1.3	1.5	<1.0	<5.0	<5.0			<5.0	<5.0	<1.0	<1.0	2.2			
Chloromethane	not established	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0			<5.0	<10.0	<10.0	<5.0	<5.0			
cis-1,2-Dichloroethene	not established	40.1	32.9	87.6	<0.50	<5.0	<5.0			<5.0	<2.5	64	<1.0	68			
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0			<5.0	<5.0	<1.0	<1.0	<1.0			
p-Isopropyltoluene	not established	<1.0	<1.0	<1.0	NA	NA	NA			NA	<5.0	<5.0	1.4	<1.0	<1.0		
Toluene	5980	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0			<5.0	<5.0	2.3	<1.0	17			
trans-1,2-Dichloroethene	10000	<1.0	<1.0	<1.0	<0.50	<5.0	<5.0			<5.0	<2.5	<2.5	<1.0	<1.0	<1.0		
Trichloroethene	30	275	169	218	<1.0	<5.0	<5.0			<5.0	<5.0	2.5	<1.0	380			
Vinyl Chloride	2.4	<1.0	<1.0	<1.0	<1.0	<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			NA	NA	<2.0	NA	NA			

TABLE 1: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		Seep I											Seep J					Seep J	
Sample Location		Thermo King Eastern Parcel											Thermo King Eastern Parcel					Thermo King Eastern Parcel	
Sample Date		11/19/2012	1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/27/2014	1/14/2015	7/9/2015	12/16/2015	11/17/2016	11/13/2017	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	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - North Canton	Test America - North Canton				
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/L)																		
1,1,1-Trichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0												<5.0	<5.0
1,1,2-Trichloroethane	16	<1.0	<1.0	<1.0	<1.0	<1.0												<5.0	<5.0
1,1-Dichloroethene	7100	<1.0	<1.0	<1.0	<1.0	<1.0												<5.0	<5.0
1,1-Dichloroethane	not established	<1.0	<1.0	<1.0	<1.0	<1.0												<5.0	<5.0
1,4-Dioxane	not established	NA	<50	<50	<50	<150												<250	<250
Bromomethane	1500	<5.0	<1.0	<1.0	<1.0	<2.0												<10.0	<10.0
Chloroethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0												<10.0	<10.0
Chloroform	470	<1.0	<1.0	<1.0	<1.0	<1.0												<5.0	<5.0
Chloromethane	not established	<5.0	<1.0	<1.0	<1.0	<1.0												<10.0	<10.0
cis-1,2-Dichloroethene	not established	<1.0	<1.0	<1.0	1.3	<1.0												<2.5	<2.5
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<1.0												<5.0	<5.0
p-Isopropyltoluene	not established	<1.0	<1.0	<1.0	<1.0	<1.0												<5.0	<5.0
Toluene	5980	<1.0	<1.0	<1.0	<1.0	<1.0												<5.0	<5.0
trans-1,2-Dichloroethene	10000	<1.0	<1.0	<1.0	<1.0	<1.0												<2.5	<2.5
Trichloroethene	30	<1.0	<1.0	<1.0	4.2	1.9	<1.0											<5.0	<5.0
Vinyl Chloride	2.4	<1.0	<1.0	<1.0	<1.0	<1.0												<2.0	<2.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	<5.0	NA	NA	NA	NA												NA	NA

TABLE 1: SUMMARY OF DETECTED
 CONSTITUENTS IN SEEPS
 AND SURFACE WATER

Sample Identification		Seep K							Seep L													
Sample Location		Northeast Corner Thermo King Eastern Parcel							Northeast Corner Thermo King Eastern Parcel													
Sample Date		3/24/2004	6/24/2004	8/31/2004	11/17/2004	2/26/2008	4/22/2010	3/24/2004	6/24/2004	8/31/2004	11/17/2004	2/27/2008	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	STL- North Canton	STL- North Canton	STL- North Canton	STL- North Canton	Test America - Tampa	AES- Atlanta	AES- Atlanta	AES- Atlanta							
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/L)																					
1,1,1-Trichloroethane	not established	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0						
1,1,2-Trichloroethane	16	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0						
1,1-Dichloroethene	7100	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0						
1,1-Dichloroethane	not established	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0						
1,4-Dioxane	not established	<250	<250	<1000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<50						
Bromomethane	1500	<5.0	<5.0	<20	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<1.0						
Chloroethane	not established	<5.0	<5.0	<20	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<1.0						
Chloroform	470	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0						
Chlormethane	not established	<5.0	<5.0	<20	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<1.0						
cis-1,2-Dichloroethene	not established	10	<5.0	85	<5.0	12	5.3	5.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5	DRY						
Ethylbenzene	2100	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	not sampled						
p-Isopropyltoluene	not established	NA	NA	NA	NA	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	<5.0	not sampled						
Toluene	5980	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0						
trans-1,2-Dichloroethene	10000	<5.0	<5.0	<20	<5.0	<2.5	<2.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5	<1.0						
Trichloroethene	30	<5.0	<5.0	<20	<5.0	13	5.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<1.0						
Vinyl Chloride	2.4	<2.0	<2.0	<8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0						
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						

TABLE 1: SUMMARY OF DETECTED CONSTITUENTS IN SEEPS AND SURFACE WATER

Sample Identification		Seep L										
Sample Location		Northeast Corner Thermo King Eastern Parcel										
Sample Date		11/19/2012	1/8/2013	4/11/2013	7/10/2013	1/9/2014	6/24/2014	1/14/2015	7/9/2015	12/16/2015	11/17/2016	11/13/2017
Laboratory		AES-Atlanta	Test America - North Canton	Test America - North Canton	Test America - North Canton	Pace Analytical						
Constituent (ug/L)	Georgia Instream Water Quality Criteria (ug/L)											
1,1,1-Trichloroethane	not established	<1.0	<1.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	7100	<1.0	<1.0	<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	<1.0	<1.0	<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	<150	<150	<150
Bromomethane	1500	<5.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<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	<1.0	<1.0	<1.0
Chloroform	470	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	not established	<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	not established	2.0	5.9	4.6	<1.0	<1.0	<1.0	<1.0	2.4			
Ethylbenzene	2100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	not established	<1.0	<1.0	<1.0	<1.0	<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	<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	<1.0	<1.0	<1.0
Trichloroethene	30	<1.0	<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	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane - Selective Ion Monitoring SW8260B	not established	<5.0	NA	NA	<1.0	NA						

Notes:

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

Exceeds Georgia ISWQC Prepared by/Date: MHA 7/30/2015 DP 1/7/2016
BOLD Detected Concentration Checked by/Date: RNQ 8/13/2015 1/14/2016 12/1/2016 MHA 12/14/2017

FIGURES

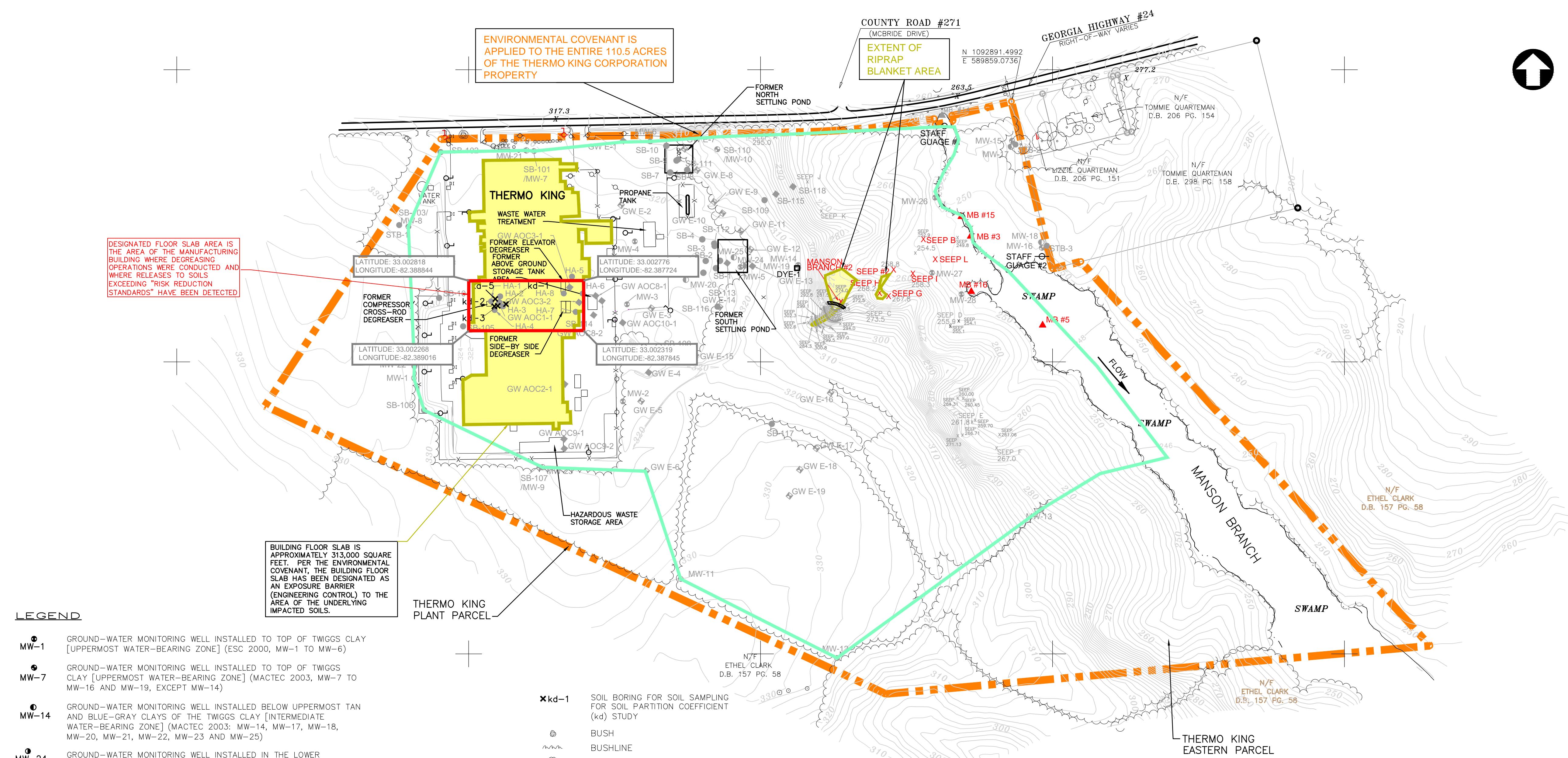


Figure 2: Time Trend of TCE in Seeps (2012-2017)

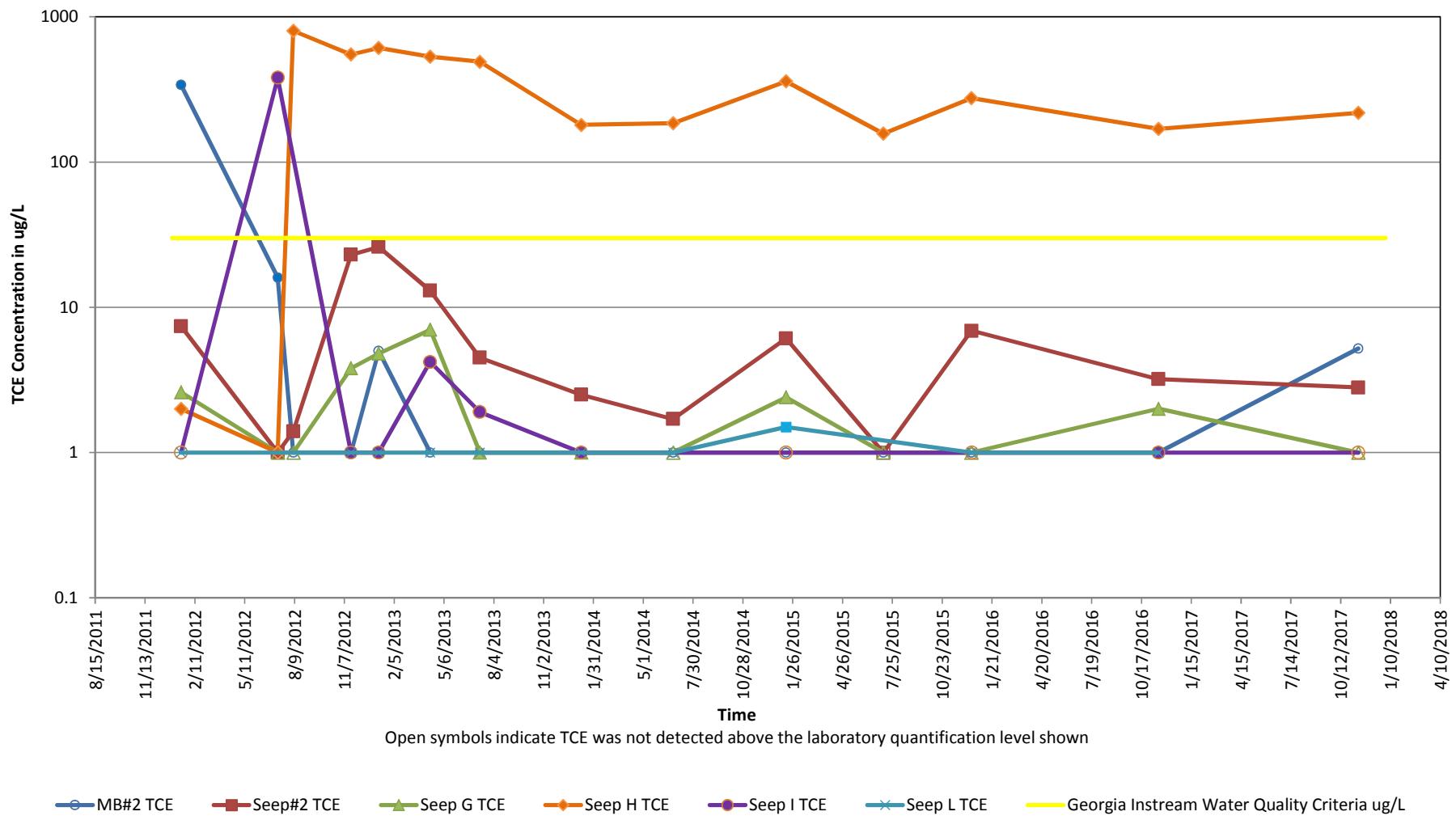


Figure 3: Time Trend of Cis-1,2-Dichloroethene in Seeps (2012-2017)

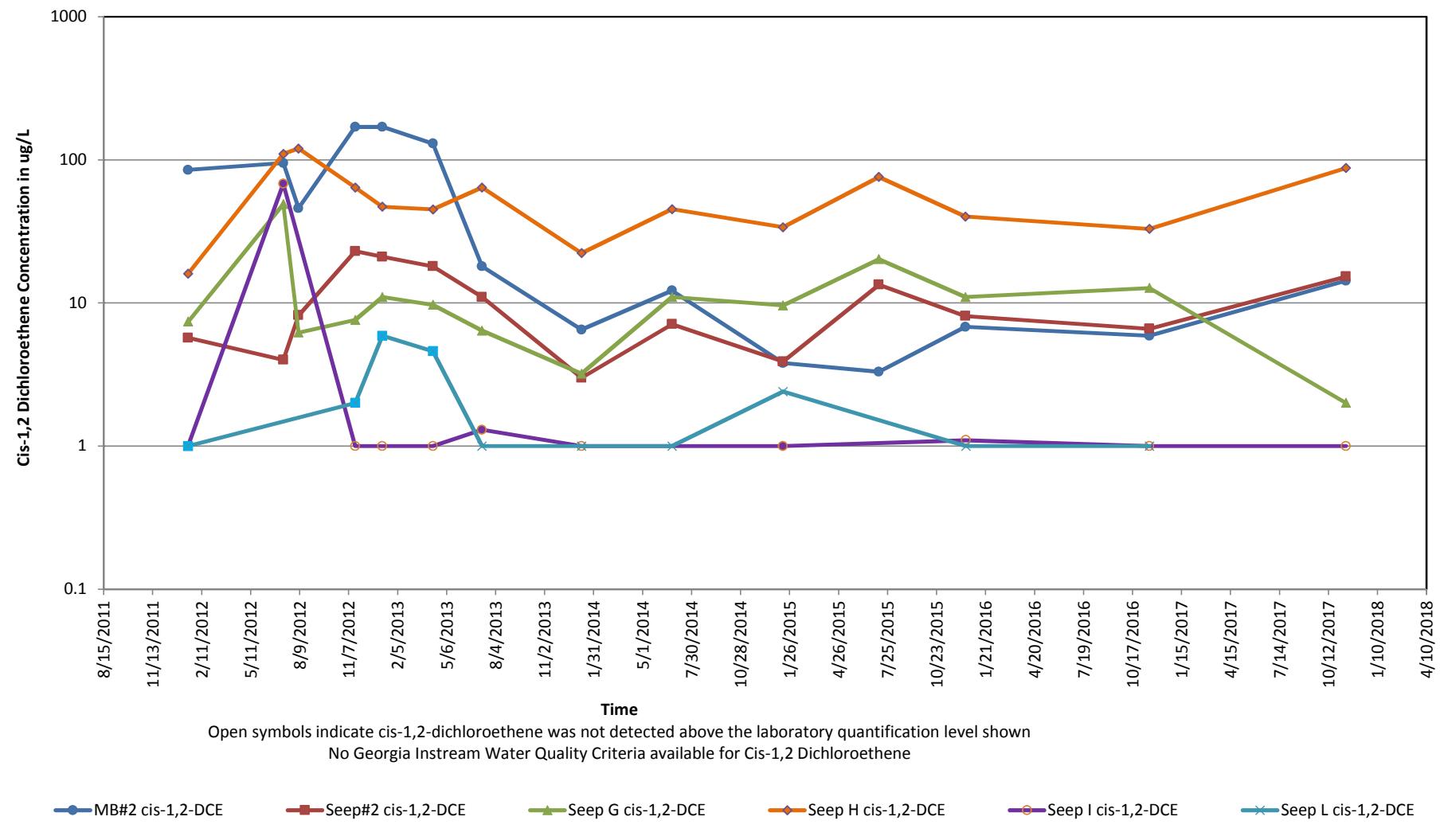


Figure 4: Time Trend of 1,1-Dichloroethene in Seeps (2012-2017)

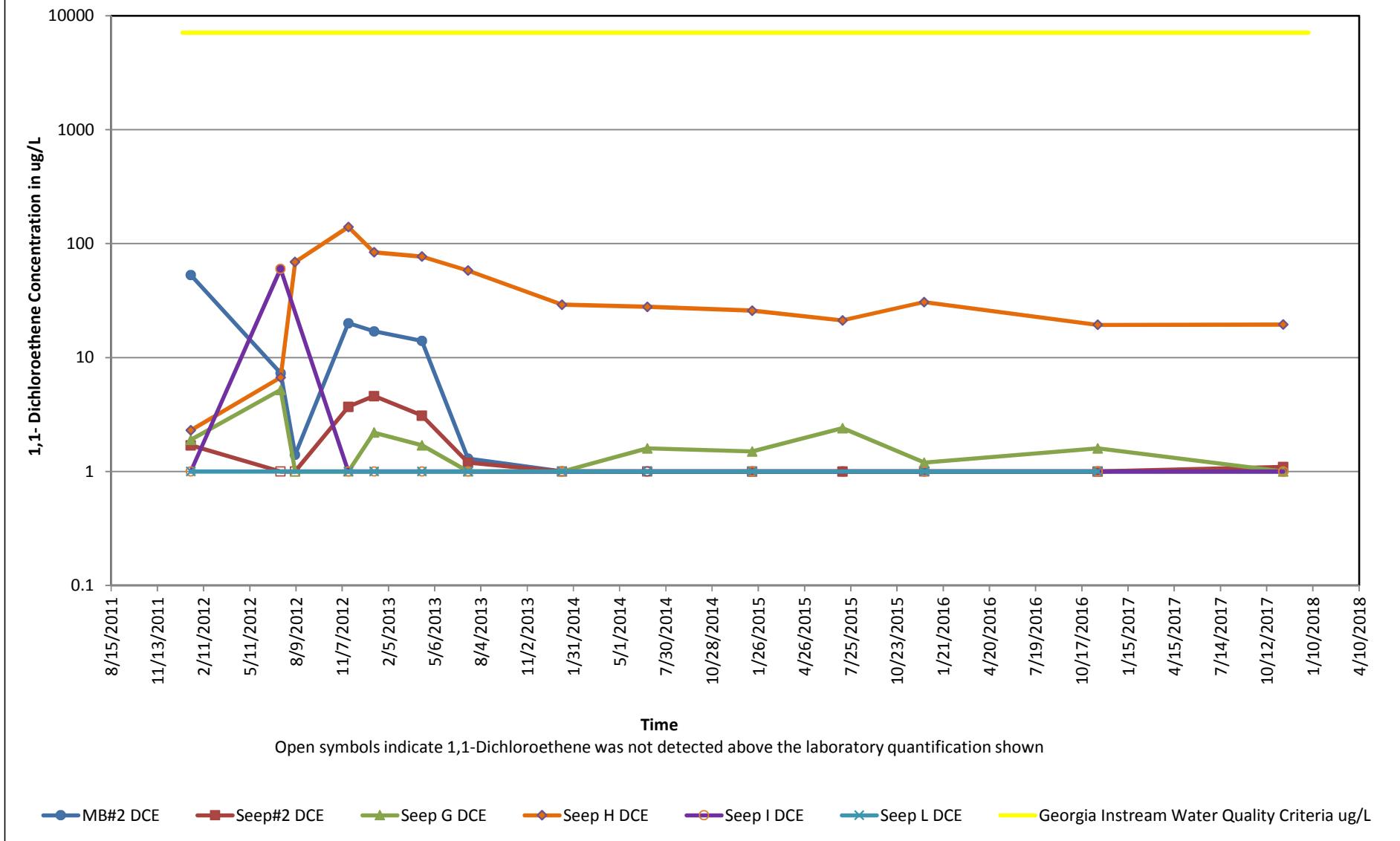


Figure 5: Time Trend of 1,1-Dichloroethane in Seeps (2012-2017)

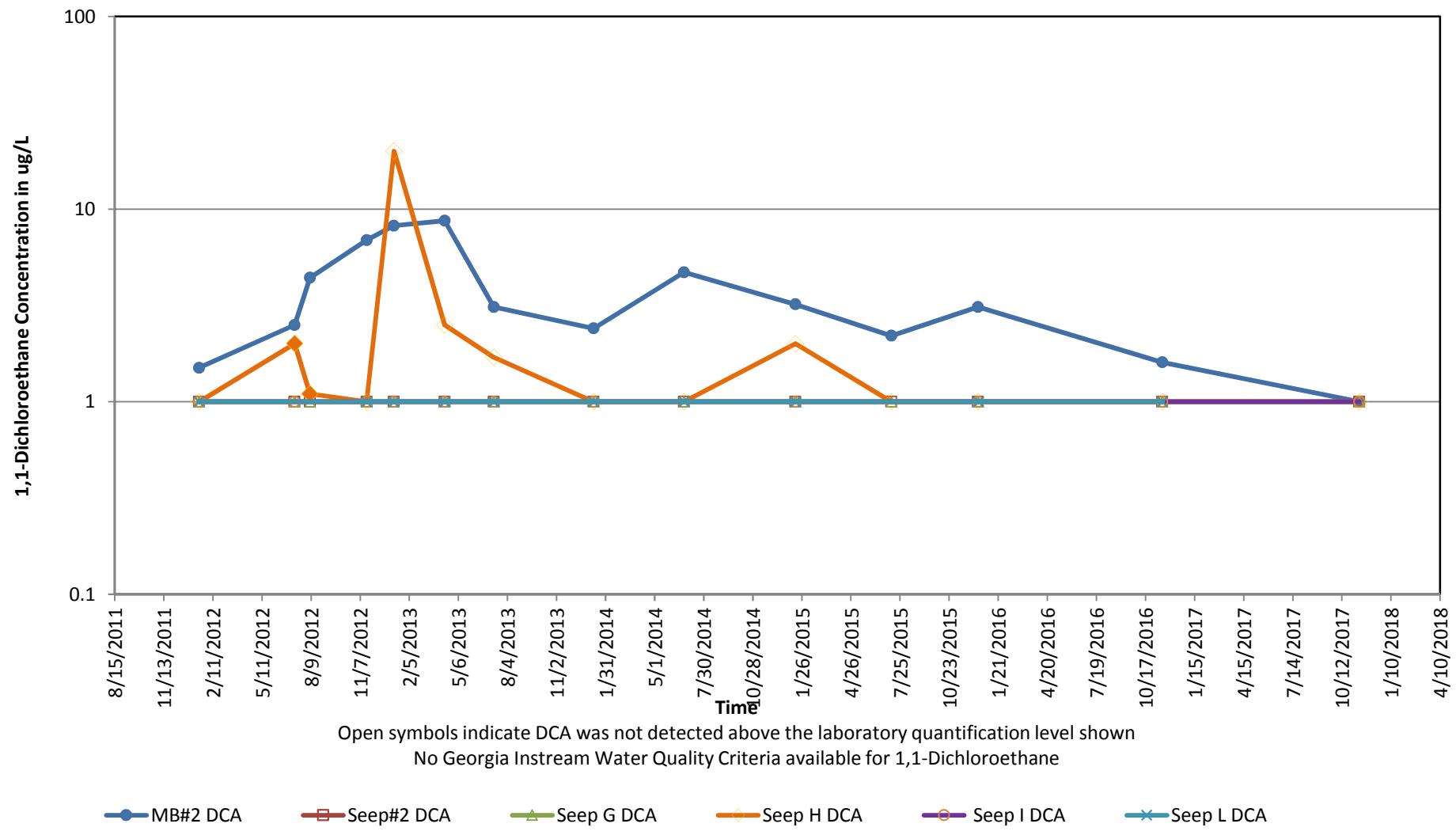


Figure 6: Time Trend of Toluene in Seeps (2012-2017)

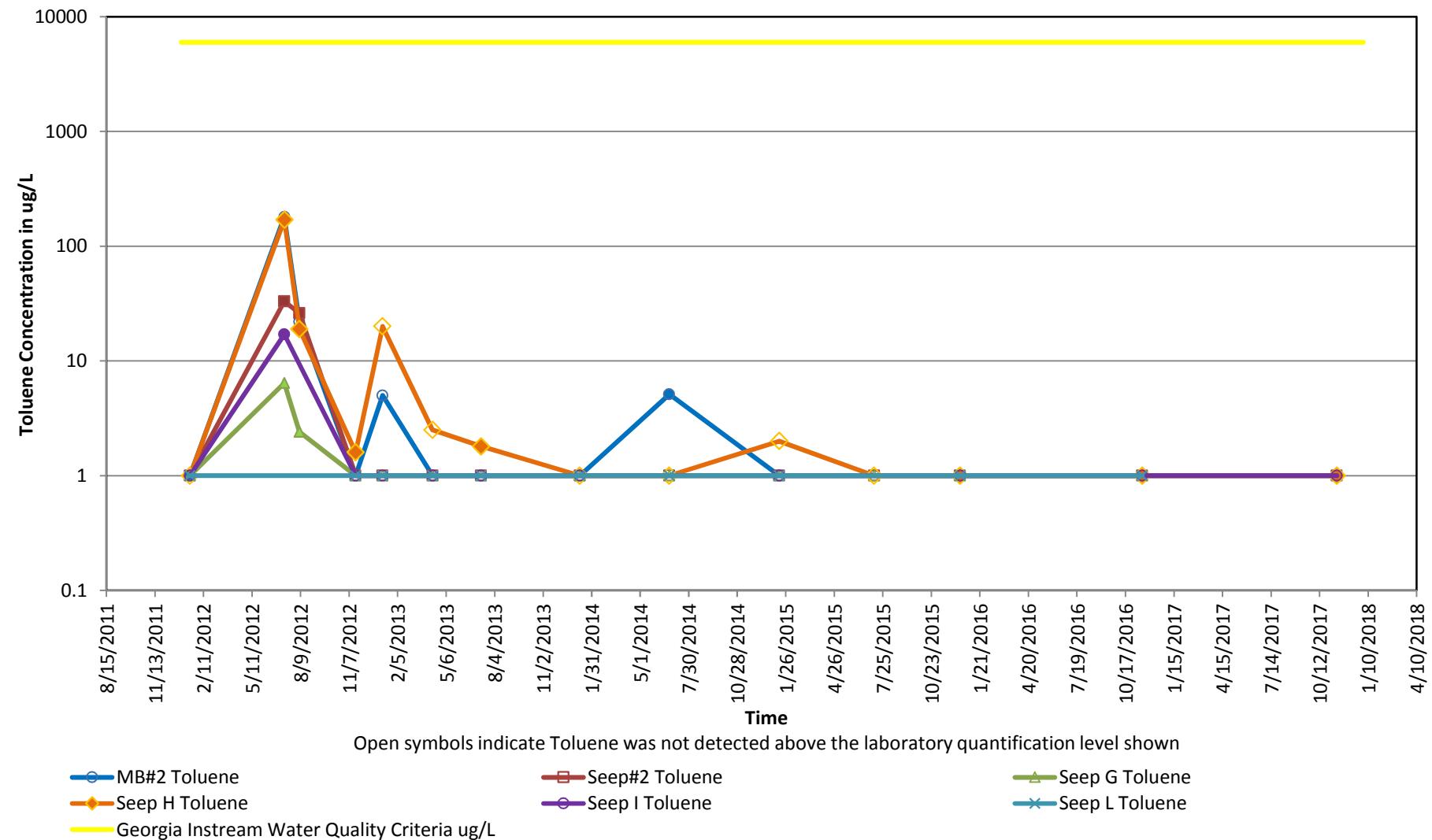
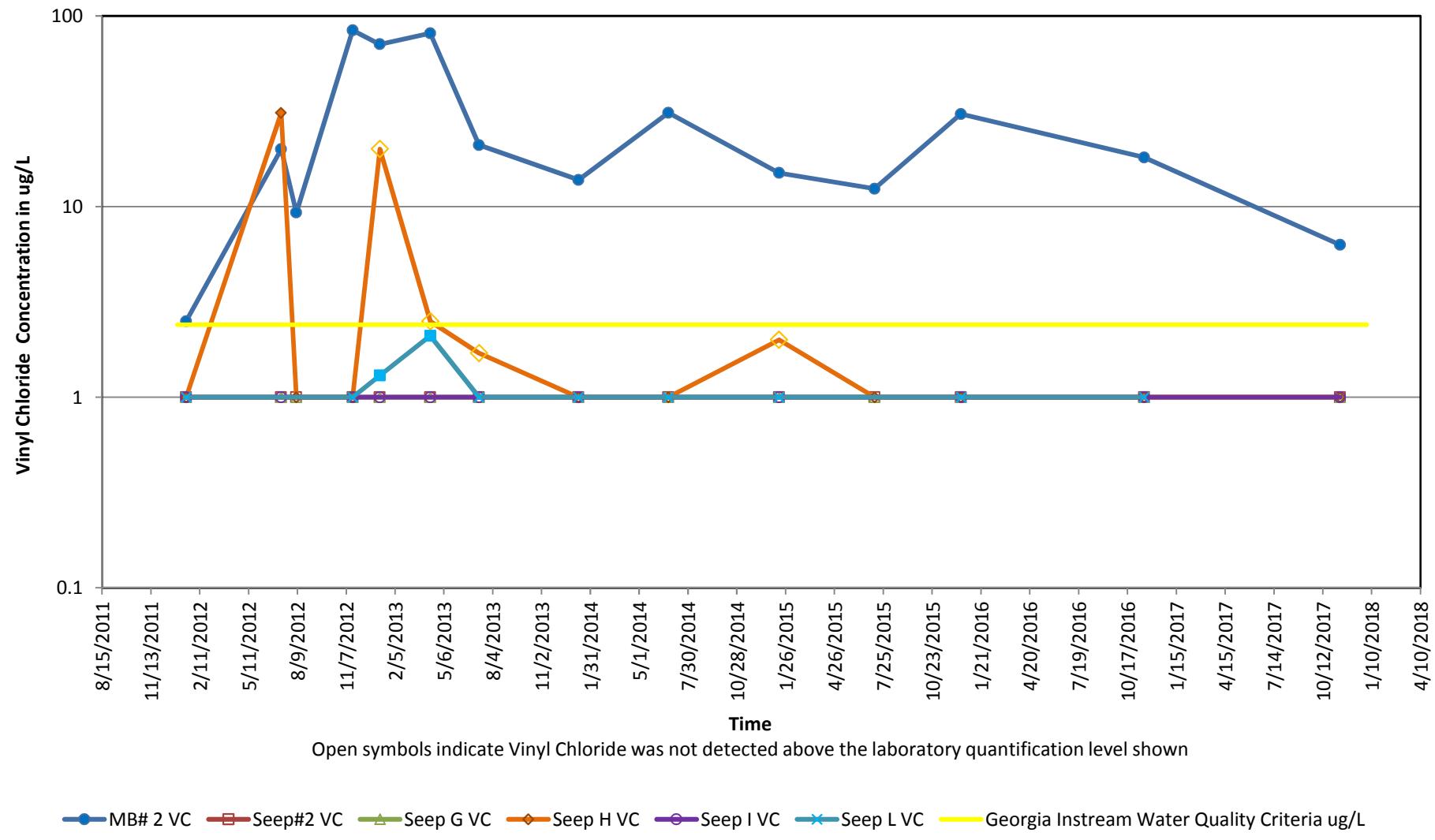


Figure 7: Time Trend of Vinyl Chloride in Seeps (2012-2017)



APPENDIX A

LABORATORY REPORTS AND FIELD SAMPLING FORMS FOR NOVEMBER 2017 SEEP AND SURFACE WATER SAMPLING EVENT

November 27, 2017

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

RE: Project: TK LOUISVILLE
Pace Project No.: 92363480

Dear Rhonda Quinn:

Enclosed are the analytical results for sample(s) received by the laboratory on November 15, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Taylor Ezell
taylor.ezell@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Greg Wrenn, Amec Foster Wheeler



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
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
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: TK LOUISVILLE
 Pace Project No.: 92363480

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92363480001	MANSON BRANCH # 2	Water	11/13/17 15:25	11/15/17 09:30
92363480002	SEEP H	Water	11/13/17 15:32	11/15/17 09:30
92363480003	SEEP G	Water	11/13/17 15:45	11/15/17 09:30
92363480004	SEEP #2	Water	11/13/17 15:55	11/15/17 09:30
92363480005	SEEP I	Water	11/13/17 16:05	11/15/17 09:30
92363480006	DUP-1	Water	11/13/17 12:00	11/15/17 09:30
92363480007	MB #3	Water	11/13/17 16:34	11/15/17 09:30
92363480008	MB #5	Water	11/13/17 16:56	11/15/17 09:30
92363480009	MB #15	Water	11/13/17 16:48	11/15/17 09:30
92363480010	MB #16	Water	11/13/17 16:18	11/15/17 09:30
92363480011	TRIP BLANK	Water	11/13/17 00:00	11/15/17 09:30

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SAMPLE ANALYTE COUNT

Project: TK LOUISVILLE
Pace Project No.: 92363480

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92363480001	MANSON BRANCH # 2	EPA 8260	GAW	60	PASI-C
92363480002	SEEP H	EPA 8260	GAW	60	PASI-C
92363480003	SEEP G	EPA 8260	GAW	60	PASI-C
92363480004	SEEP #2	EPA 8260	GAW	60	PASI-C
92363480005	SEEP I	EPA 8260	GAW	60	PASI-C
92363480006	DUP-1	EPA 8260	GAW	60	PASI-C
92363480007	MB #3	EPA 8260	GAW	60	PASI-C
92363480008	MB #5	EPA 8260	GAW	60	PASI-C
92363480009	MB #15	EPA 8260	GAW	60	PASI-C
92363480010	MB #16	EPA 8260	GAW	60	PASI-C
92363480011	TRIP BLANK	EPA 8260	GAW	60	PASI-C

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SUMMARY OF DETECTION

Project: TK LOUISVILLE
Pace Project No.: 92363480

Lab Sample ID	Client Sample ID						
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
92363480001	MANSON BRANCH # 2						
EPA 8260	cis-1,2-Dichloroethene	14.3	ug/L	1.0	11/22/17 18:00		
EPA 8260	Trichloroethene	5.2	ug/L	1.0	11/22/17 18:00		
EPA 8260	Vinyl chloride	6.3	ug/L	1.0	11/22/17 18:00		
92363480002	SEEP H						
EPA 8260	Chloroform	1.5	ug/L	1.0	11/22/17 18:17		
EPA 8260	1,1-Dichloroethene	19.5	ug/L	1.0	11/22/17 18:17		
EPA 8260	cis-1,2-Dichloroethene	87.6	ug/L	1.0	11/22/17 18:17		
EPA 8260	Trichloroethene	218	ug/L	2.0	11/24/17 01:40		
92363480003	SEEP G						
EPA 8260	Chloromethane	1.7	ug/L	1.0	11/22/17 18:35		
EPA 8260	cis-1,2-Dichloroethene	2.0	ug/L	1.0	11/22/17 18:35		
92363480004	SEEP #2						
EPA 8260	1,1-Dichloroethene	1.1	ug/L	1.0	11/22/17 18:52		
EPA 8260	cis-1,2-Dichloroethene	15.3	ug/L	1.0	11/22/17 18:52		
EPA 8260	Trichloroethene	2.8	ug/L	1.0	11/22/17 18:52		
92363480006	DUP-1						
EPA 8260	Chloroform	1.6	ug/L	1.0	11/22/17 19:26		
EPA 8260	1,1-Dichloroethene	20.0	ug/L	1.0	11/22/17 19:26		
EPA 8260	cis-1,2-Dichloroethene	87.5	ug/L	1.0	11/22/17 19:26		
EPA 8260	Trichloroethene	220	ug/L	2.0	11/24/17 01:58		

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: TK LOUISVILLE
Pace Project No.: 92363480

Method: **EPA 8260**

Description: 8260 MSV Low Level

Client: Amec Foster Wheeler, Georgia

Date: November 27, 2017

General Information:

11 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.

Matrix Spikes:

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

QC Batch: 388006

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92363682008

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

- MS (Lab ID: 2152801)
 - 1,4-Dioxane (p-Dioxane)
 - 2,2-Dichloropropane

Duplicate Sample:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MANSON BRANCH # 2	Lab ID: 92363480001	Collected: 11/13/17 15:25	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 18:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 18:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 18:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 18:00	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 18:00	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:00	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:00	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:00	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 18:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 18:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 18:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 18:00	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 18:00	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 18:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 18:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 18:00	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 18:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 18:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 18:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 18:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 18:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 18:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/22/17 18:00	75-35-4	
cis-1,2-Dichloroethene	14.3	ug/L	1.0	1		11/22/17 18:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 18:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 18:00	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 18:00	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 18:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 18:00	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 18:00	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 18:00	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 18:00	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 18:00	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 18:00	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 18:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 18:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 18:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 18:00	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 18:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:00	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MANSON BRANCH # 2	Lab ID: 92363480001	Collected: 11/13/17 15:25	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 18:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 18:00	79-00-5	
Trichloroethene	5.2	ug/L	1.0	1		11/22/17 18:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 18:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 18:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 18:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 18:00	108-67-8	
Vinyl chloride	6.3	ug/L	1.0	1		11/22/17 18:00	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 18:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 18:00	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		11/22/17 18:00	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		11/22/17 18:00	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		11/22/17 18:00	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: SEEP H	Lab ID: 92363480002	Collected: 11/13/17 15:32	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 18:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 18:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 18:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 18:17	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 18:17	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:17	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:17	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 18:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 18:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 18:17	75-00-3	
Chloroform	1.5	ug/L	1.0	1		11/22/17 18:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 18:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 18:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 18:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 18:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 18:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 18:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 18:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 18:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 18:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 18:17	107-06-2	
1,1-Dichloroethene	19.5	ug/L	1.0	1		11/22/17 18:17	75-35-4	
cis-1,2-Dichloroethene	87.6	ug/L	1.0	1		11/22/17 18:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 18:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 18:17	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 18:17	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 18:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 18:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 18:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 18:17	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 18:17	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 18:17	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 18:17	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 18:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 18:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 18:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 18:17	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 18:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:17	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: SEEP H	Lab ID: 92363480002	Collected: 11/13/17 15:32	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 18:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 18:17	79-00-5	
Trichloroethene	218	ug/L	2.0	2		11/24/17 01:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 18:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 18:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 18:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 18:17	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 18:17	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 18:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 18:17	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		11/22/17 18:17	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		11/22/17 18:17	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		11/22/17 18:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: SEEP G	Lab ID: 92363480003	Collected: 11/13/17 15:45	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 18:35	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 18:35	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 18:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 18:35	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 18:35	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:35	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:35	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:35	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 18:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 18:35	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 18:35	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 18:35	67-66-3	
Chloromethane	1.7	ug/L	1.0	1		11/22/17 18:35	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 18:35	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 18:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 18:35	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 18:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 18:35	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 18:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 18:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 18:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 18:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/22/17 18:35	75-35-4	
cis-1,2-Dichloroethene	2.0	ug/L	1.0	1		11/22/17 18:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 18:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 18:35	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 18:35	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 18:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 18:35	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 18:35	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 18:35	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 18:35	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 18:35	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 18:35	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 18:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 18:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 18:35	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 18:35	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 18:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:35	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: SEEP G	Lab ID: 92363480003	Collected: 11/13/17 15:45	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 18:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 18:35	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/22/17 18:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 18:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 18:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 18:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 18:35	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 18:35	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 18:35	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 18:35	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		11/22/17 18:35	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		11/22/17 18:35	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		11/22/17 18:35	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: SEEP #2	Lab ID: 92363480004	Collected: 11/13/17 15:55	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 18:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 18:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 18:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 18:52	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 18:52	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:52	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 18:52	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 18:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 18:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 18:52	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 18:52	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 18:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 18:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 18:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 18:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 18:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 18:52	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 18:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 18:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 18:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 18:52	107-06-2	
1,1-Dichloroethene	1.1	ug/L	1.0	1		11/22/17 18:52	75-35-4	
cis-1,2-Dichloroethene	15.3	ug/L	1.0	1		11/22/17 18:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 18:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 18:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 18:52	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 18:52	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 18:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 18:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 18:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 18:52	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 18:52	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 18:52	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 18:52	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 18:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 18:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 18:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 18:52	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 18:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 18:52	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: SEEP #2	Lab ID: 92363480004	Collected: 11/13/17 15:55	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 18:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 18:52	79-00-5	
Trichloroethene	2.8	ug/L	1.0	1		11/22/17 18:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 18:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 18:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 18:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 18:52	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 18:52	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 18:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 18:52	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		11/22/17 18:52	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		11/22/17 18:52	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		11/22/17 18:52	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: SEEP I	Lab ID: 92363480005	Collected: 11/13/17 16:05	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 19:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 19:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 19:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 19:09	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 19:09	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:09	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:09	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:09	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 19:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 19:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 19:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 19:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 19:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 19:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 19:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 19:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 19:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 19:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 19:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 19:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 19:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 19:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/22/17 19:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 19:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 19:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 19:09	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 19:09	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 19:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 19:09	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 19:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 19:09	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 19:09	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 19:09	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 19:09	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 19:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 19:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 19:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 19:09	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 19:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:09	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: SEEP I	Lab ID: 92363480005	Collected: 11/13/17 16:05	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 19:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 19:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/22/17 19:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 19:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 19:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 19:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 19:09	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 19:09	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 19:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 19:09	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		11/22/17 19:09	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		11/22/17 19:09	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		11/22/17 19:09	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: DUP-1	Lab ID: 92363480006	Collected: 11/13/17 12:00	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 19:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 19:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 19:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 19:26	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 19:26	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:26	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:26	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:26	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 19:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 19:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 19:26	75-00-3	
Chloroform	1.6	ug/L	1.0	1		11/22/17 19:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 19:26	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 19:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 19:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 19:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 19:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 19:26	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 19:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 19:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 19:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 19:26	107-06-2	
1,1-Dichloroethene	20.0	ug/L	1.0	1		11/22/17 19:26	75-35-4	
cis-1,2-Dichloroethene	87.5	ug/L	1.0	1		11/22/17 19:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 19:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 19:26	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 19:26	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 19:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 19:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 19:26	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 19:26	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 19:26	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 19:26	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 19:26	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 19:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 19:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 19:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 19:26	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 19:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:26	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: DUP-1	Lab ID: 92363480006	Collected: 11/13/17 12:00	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 19:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 19:26	79-00-5	
Trichloroethene	220	ug/L	2.0	2		11/24/17 01:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 19:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 19:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 19:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 19:26	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 19:26	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 19:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 19:26	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		11/22/17 19:26	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		11/22/17 19:26	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		11/22/17 19:26	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MB #3	Lab ID: 92363480007	Collected: 11/13/17 16:34	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 19:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 19:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 19:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 19:44	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 19:44	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:44	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:44	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 19:44	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 19:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 19:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 19:44	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 19:44	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 19:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 19:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 19:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 19:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 19:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 19:44	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 19:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 19:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 19:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 19:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/22/17 19:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 19:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 19:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 19:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 19:44	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 19:44	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 19:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 19:44	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 19:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 19:44	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 19:44	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 19:44	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 19:44	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 19:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 19:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 19:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 19:44	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 19:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 19:44	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MB #3	Lab ID: 92363480007	Collected: 11/13/17 16:34	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 19:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 19:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/22/17 19:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 19:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 19:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 19:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 19:44	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 19:44	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 19:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 19:44	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		11/22/17 19:44	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		11/22/17 19:44	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		11/22/17 19:44	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MB #5	Lab ID: 92363480008	Collected: 11/13/17 16:56	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 20:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 20:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 20:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 20:01	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 20:01	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:01	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:01	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:01	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 20:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 20:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 20:01	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 20:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 20:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 20:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 20:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 20:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 20:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 20:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 20:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 20:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 20:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 20:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 20:01	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 20:01	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 20:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 20:01	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 20:01	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 20:01	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 20:01	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 20:01	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 20:01	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 20:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 20:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 20:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 20:01	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 20:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:01	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MB #5	Lab ID: 92363480008	Collected: 11/13/17 16:56	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 20:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 20:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/22/17 20:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 20:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 20:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 20:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 20:01	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 20:01	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 20:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 20:01	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		11/22/17 20:01	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		11/22/17 20:01	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		11/22/17 20:01	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MB #15	Lab ID: 92363480009	Collected: 11/13/17 16:48	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 20:18	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 20:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 20:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 20:18	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 20:18	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:18	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:18	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:18	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 20:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 20:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 20:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 20:18	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 20:18	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 20:18	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 20:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 20:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 20:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 20:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 20:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 20:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 20:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 20:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 20:18	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 20:18	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 20:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 20:18	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 20:18	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 20:18	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 20:18	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 20:18	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 20:18	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 20:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 20:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 20:18	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 20:18	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 20:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:18	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MB #15	Lab ID: 92363480009	Collected: 11/13/17 16:48	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 20:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 20:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/22/17 20:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 20:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 20:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 20:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 20:18	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 20:18	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 20:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 20:18	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		11/22/17 20:18	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		11/22/17 20:18	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		11/22/17 20:18	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MB #16	Lab ID: 92363480010	Collected: 11/13/17 16:18	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 20:36	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 20:36	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 20:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 20:36	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 20:36	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:36	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:36	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 20:36	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 20:36	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 20:36	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 20:36	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 20:36	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 20:36	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 20:36	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 20:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 20:36	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 20:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 20:36	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 20:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 20:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 20:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 20:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 20:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 20:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 20:36	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 20:36	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 20:36	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 20:36	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 20:36	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 20:36	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 20:36	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 20:36	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 20:36	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 20:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 20:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 20:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 20:36	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 20:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 20:36	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: MB #16	Lab ID: 92363480010	Collected: 11/13/17 16:18	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 20:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 20:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/22/17 20:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 20:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 20:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 20:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 20:36	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 20:36	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 20:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 20:36	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		11/22/17 20:36	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		11/22/17 20:36	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		11/22/17 20:36	2037-26-5	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: TRIP BLANK	Lab ID: 92363480011	Collected: 11/13/17 00:00	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		11/22/17 17:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/22/17 17:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/22/17 17:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/22/17 17:08	75-27-4	
Bromomethane	ND	ug/L	2.0	1		11/22/17 17:08	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		11/22/17 17:08	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/22/17 17:08	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/22/17 17:08	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/22/17 17:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/22/17 17:08	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/22/17 17:08	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/22/17 17:08	67-66-3	
Chloromethane	ND	ug/L	1.0	1		11/22/17 17:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 17:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/22/17 17:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		11/22/17 17:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/22/17 17:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/22/17 17:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		11/22/17 17:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 17:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 17:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/22/17 17:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/22/17 17:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/22/17 17:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/22/17 17:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/22/17 17:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 17:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		11/22/17 17:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 17:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/22/17 17:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		11/22/17 17:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/22/17 17:08	563-58-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	1		11/22/17 17:08	123-91-1	
Ethylbenzene	ND	ug/L	1.0	1		11/22/17 17:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		11/22/17 17:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/22/17 17:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/22/17 17:08	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		11/22/17 17:08	75-09-2	
Naphthalene	ND	ug/L	1.0	1		11/22/17 17:08	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/22/17 17:08	103-65-1	
Styrene	ND	ug/L	1.0	1		11/22/17 17:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 17:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/22/17 17:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/22/17 17:08	127-18-4	
Toluene	ND	ug/L	1.0	1		11/22/17 17:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 17:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/22/17 17:08	120-82-1	

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ANALYTICAL RESULTS

Project: TK LOUISVILLE
Pace Project No.: 92363480

Sample: TRIP BLANK	Lab ID: 92363480011	Collected: 11/13/17 00:00	Received: 11/15/17 09:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/22/17 17:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/22/17 17:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/22/17 17:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/22/17 17:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		11/22/17 17:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 17:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/22/17 17:08	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		11/22/17 17:08	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		11/22/17 17:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/22/17 17:08	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		11/22/17 17:08	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	1		11/22/17 17:08	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		11/22/17 17:08	2037-26-5	

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QUALITY CONTROL DATA

Project: TK LOUISVILLE

Pace Project No.: 92363480

QC Batch: 388006 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92363480001, 92363480002, 92363480003, 92363480004, 92363480005, 92363480006, 92363480007,
92363480008, 92363480009, 92363480010, 92363480011

METHOD BLANK: 2152798 Matrix: Water

Associated Lab Samples: 92363480001, 92363480002, 92363480003, 92363480004, 92363480005, 92363480006, 92363480007,
92363480008, 92363480009, 92363480010, 92363480011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/22/17 15:59	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/22/17 15:59	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/22/17 15:59	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/22/17 15:59	
1,1-Dichloroethane	ug/L	ND	1.0	11/22/17 15:59	
1,1-Dichloroethene	ug/L	ND	1.0	11/22/17 15:59	
1,1-Dichloropropene	ug/L	ND	1.0	11/22/17 15:59	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/22/17 15:59	
1,2,3-Trichloropropane	ug/L	ND	1.0	11/22/17 15:59	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/22/17 15:59	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/22/17 15:59	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	11/22/17 15:59	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/22/17 15:59	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/22/17 15:59	
1,2-Dichloroethane	ug/L	ND	1.0	11/22/17 15:59	
1,2-Dichloropropane	ug/L	ND	1.0	11/22/17 15:59	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/22/17 15:59	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/22/17 15:59	
1,3-Dichloropropane	ug/L	ND	1.0	11/22/17 15:59	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/22/17 15:59	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	11/22/17 15:59	
2,2-Dichloropropane	ug/L	ND	1.0	11/22/17 15:59	
2-Chlorotoluene	ug/L	ND	1.0	11/22/17 15:59	
4-Chlorotoluene	ug/L	ND	1.0	11/22/17 15:59	
Benzene	ug/L	ND	1.0	11/22/17 15:59	
Bromobenzene	ug/L	ND	1.0	11/22/17 15:59	
Bromochloromethane	ug/L	ND	1.0	11/22/17 15:59	
Bromodichloromethane	ug/L	ND	1.0	11/22/17 15:59	
Bromomethane	ug/L	ND	2.0	11/22/17 15:59	
Carbon tetrachloride	ug/L	ND	1.0	11/22/17 15:59	
Chlorobenzene	ug/L	ND	1.0	11/22/17 15:59	
Chloroethane	ug/L	ND	1.0	11/22/17 15:59	
Chloroform	ug/L	ND	1.0	11/22/17 15:59	
Chloromethane	ug/L	ND	1.0	11/22/17 15:59	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/22/17 15:59	
Dibromochloromethane	ug/L	ND	1.0	11/22/17 15:59	
Dibromomethane	ug/L	ND	1.0	11/22/17 15:59	
Dichlorodifluoromethane	ug/L	ND	1.0	11/22/17 15:59	
Ethylbenzene	ug/L	ND	1.0	11/22/17 15:59	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	11/22/17 15:59	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TK LOUISVILLE

Pace Project No.: 92363480

METHOD BLANK: 2152798

Matrix: Water

Associated Lab Samples: 92363480001, 92363480002, 92363480003, 92363480004, 92363480005, 92363480006, 92363480007,
92363480008, 92363480009, 92363480010, 92363480011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/22/17 15:59	
m&p-Xylene	ug/L	ND	2.0	11/22/17 15:59	
Methylene Chloride	ug/L	ND	2.0	11/22/17 15:59	
n-Butylbenzene	ug/L	ND	1.0	11/22/17 15:59	
n-Propylbenzene	ug/L	ND	1.0	11/22/17 15:59	
Naphthalene	ug/L	ND	1.0	11/22/17 15:59	
o-Xylene	ug/L	ND	1.0	11/22/17 15:59	
p-Isopropyltoluene	ug/L	ND	1.0	11/22/17 15:59	
sec-Butylbenzene	ug/L	ND	1.0	11/22/17 15:59	
Styrene	ug/L	ND	1.0	11/22/17 15:59	
tert-Butylbenzene	ug/L	ND	1.0	11/22/17 15:59	
Tetrachloroethene	ug/L	ND	1.0	11/22/17 15:59	
Toluene	ug/L	ND	1.0	11/22/17 15:59	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/22/17 15:59	
Trichloroethene	ug/L	ND	1.0	11/22/17 15:59	
Trichlorofluoromethane	ug/L	ND	1.0	11/22/17 15:59	
Vinyl chloride	ug/L	ND	1.0	11/22/17 15:59	
1,2-Dichloroethane-d4 (S)	%	107	70-130	11/22/17 15:59	
4-Bromofluorobenzene (S)	%	94	70-130	11/22/17 15:59	
Toluene-d8 (S)	%	99	70-130	11/22/17 15:59	

LABORATORY CONTROL SAMPLE: 2152799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.7	103	70-130	
1,1,1-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.9	96	70-130	
1,1,2-Trichloroethane	ug/L	50	50.9	102	70-130	
1,1-Dichloroethane	ug/L	50	53.7	107	70-130	
1,1-Dichloroethene	ug/L	50	55.0	110	70-132	
1,1-Dichloropropene	ug/L	50	50.8	102	70-130	
1,2,3-Trichlorobenzene	ug/L	50	51.4	103	70-135	
1,2,3-Trichloropropane	ug/L	50	47.9	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	53.6	107	70-134	
1,2,4-Trimethylbenzene	ug/L	50	51.8	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.1	98	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.8	104	70-130	
1,2-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,2-Dichloroethane	ug/L	50	49.3	99	70-130	
1,2-Dichloropropane	ug/L	50	52.0	104	70-130	
1,3,5-Trimethylbenzene	ug/L	50	52.4	105	70-130	
1,3-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,3-Dichloropropane	ug/L	50	52.6	105	70-130	

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QUALITY CONTROL DATA

Project: TK LOUISVILLE

Pace Project No.: 92363480

LABORATORY CONTROL SAMPLE: 2152799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1130	113	71-125	
2,2-Dichloropropane	ug/L	50	52.0	104	58-145	
2-Chlorotoluene	ug/L	50	51.5	103	70-130	
4-Chlorotoluene	ug/L	50	51.7	103	70-130	
Benzene	ug/L	50	50.2	100	70-130	
Bromobenzene	ug/L	50	53.6	107	70-130	
Bromochloromethane	ug/L	50	53.4	107	70-130	
Bromodichloromethane	ug/L	50	50.2	100	70-130	
Bromomethane	ug/L	50	50.3	101	54-130	
Carbon tetrachloride	ug/L	50	49.9	100	70-132	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	49.1	98	64-134	
Chloroform	ug/L	50	51.2	102	70-130	
Chloromethane	ug/L	50	51.6	103	64-130	
cis-1,2-Dichloroethene	ug/L	50	55.4	111	70-131	
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dibromomethane	ug/L	50	50.5	101	70-131	
Dichlorodifluoromethane	ug/L	50	40.9	82	56-130	
Ethylbenzene	ug/L	50	51.5	103	70-130	
Hexachloro-1,3-butadiene	ug/L	50	52.8	106	70-130	
Isopropylbenzene (Cumene)	ug/L	50	51.1	102	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methylene Chloride	ug/L	50	55.4	111	63-130	
n-Butylbenzene	ug/L	50	51.7	103	70-130	
n-Propylbenzene	ug/L	50	52.5	105	70-130	
Naphthalene	ug/L	50	51.4	103	70-138	
o-Xylene	ug/L	50	51.1	102	70-130	
p-Isopropyltoluene	ug/L	50	51.8	104	70-130	
sec-Butylbenzene	ug/L	50	50.7	101	70-130	
Styrene	ug/L	50	51.3	103	70-130	
tert-Butylbenzene	ug/L	50	42.9	86	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	50.6	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.9	110	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Trichlorofluoromethane	ug/L	50	49.9	100	62-133	
Vinyl chloride	ug/L	50	52.0	104	50-150	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: TK LOUISVILLE
Pace Project No.: 92363480

MATRIX SPIKE SAMPLE:	2152801						
Parameter	Units	92363682008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.3	106	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	23.3	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.6	103	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	22.2	111	70-130	
1,1-Dichloroethane	ug/L	ND	20	23.8	119	70-130	
1,1-Dichloroethene	ug/L	ND	20	24.8	124	70-166	
1,1-Dichloropropene	ug/L	ND	20	22.5	112	70-130	
1,2,3-Trichlorobenzene	ug/L	ND	20	21.9	109	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	20.8	104	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	22.3	112	70-130	
1,2,4-Trimethylbenzene	ug/L	ND	20	21.7	108	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	22.0	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	21.7	109	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	21.6	108	70-130	
1,2-Dichloroethane	ug/L	ND	20	20.9	104	70-130	
1,2-Dichloropropane	ug/L	ND	20	22.9	114	70-130	
1,3,5-Trimethylbenzene	ug/L	ND	20	22.3	111	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	21.5	107	70-130	
1,3-Dichloropropane	ug/L	ND	20	22.2	111	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	21.3	106	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	ND	400	601	150	70-130 M1	
2,2-Dichloropropane	ug/L	ND	20	13.0	65	70-130 M1	
2-Chlorotoluene	ug/L	ND	20	22.1	110	70-130	
4-Chlorotoluene	ug/L	ND	20	21.8	109	70-130	
Benzene	ug/L	ND	20	21.7	109	70-148	
Bromobenzene	ug/L	ND	20	22.6	113	70-130	
Bromochloromethane	ug/L	ND	20	22.8	114	70-130	
Bromodichloromethane	ug/L	ND	20	21.3	107	70-130	
Bromomethane	ug/L	ND	20	21.3	106	70-130	
Carbon tetrachloride	ug/L	ND	20	21.9	109	70-130	
Chlorobenzene	ug/L	ND	20	21.8	109	70-146	
Chloroethane	ug/L	ND	20	23.2	116	70-130	
Chloroform	ug/L	ND	20	22.5	113	70-130	
Chloromethane	ug/L	ND	20	24.3	122	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	24.3	122	70-130	
Dibromochloromethane	ug/L	ND	20	19.9	100	70-130	
Dibromomethane	ug/L	ND	20	22.0	110	70-130	
Dichlorodifluoromethane	ug/L	ND	20	18.1	91	70-130	
Ethylbenzene	ug/L	ND	20	21.7	109	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	19.9	100	70-130	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.7	109	70-130	
m&p-Xylene	ug/L	ND	40	43.5	109	70-130	
Methylene Chloride	ug/L	ND	20	22.3	111	70-130	
n-Butylbenzene	ug/L	ND	20	20.5	103	70-130	
n-Propylbenzene	ug/L	ND	20	22.4	112	70-130	
Naphthalene	ug/L	ND	20	22.5	112	70-130	
o-Xylene	ug/L	ND	20	21.5	107	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: TK LOUISVILLE
Pace Project No.: 92363480

MATRIX SPIKE SAMPLE: 2152801

Parameter	Units	92363682008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	ND	20	21.8	109	70-130	
sec-Butylbenzene	ug/L	ND	20	22.1	111	70-130	
Styrene	ug/L	ND	20	14.5	72	70-130	
tert-Butylbenzene	ug/L	ND	20	18.6	93	70-130	
Tetrachloroethene	ug/L	ND	20	21.7	109	70-130	
Toluene	ug/L	ND	20	22.0	110	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	24.1	121	70-130	
Trichloroethene	ug/L	ND	20	22.2	111	69-151	
Trichlorofluoromethane	ug/L	ND	20	22.6	113	70-130	
Vinyl chloride	ug/L	ND	20	24.7	123	70-130	
1,2-Dichloroethane-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				94	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 2152800

Parameter	Units	92363682007 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	
Bromodichloromethane	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: TK LOUISVILLE

Pace Project No.: 92363480

SAMPLE DUPLICATE: 2152800

Parameter	Units	92363682007 Result	Dup Result	RPD	Max RPD	Qualifiers
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)	%	103	104	1		
4-Bromofluorobenzene (S)	%	92	95	3		
Toluene-d8 (S)	%	94	96	2		

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QUALIFIERS

Project: TK LOUISVILLE
Pace Project No.: 92363480

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.

TNTC - Too Numerous To Count

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.

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-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: TK LOUISVILLE
Pace Project No.: 92363480

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92363480001	MANSON BRANCH # 2	EPA 8260	388006		
92363480002	SEEP H	EPA 8260	388006		
92363480003	SEEP G	EPA 8260	388006		
92363480004	SEEP #2	EPA 8260	388006		
92363480005	SEEP I	EPA 8260	388006		
92363480006	DUP-1	EPA 8260	388006		
92363480007	MB #3	EPA 8260	388006		
92363480008	MB #5	EPA 8260	388006		
92363480009	MB #15	EPA 8260	388006		
92363480010	MB #16	EPA 8260	388006		
92363480011	TRIP BLANK	EPA 8260	388006		

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<i>Pace Analytical</i>	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: August 4, 2017 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.04	Issuing Authority: Pace Quality Office

Laboratory receiving samples:
Asheville Eden Greenwood Huntersville Raleigh Mechanicsville
Sample Condition Upon Receipt

Client Name:

Amec

Project #

WO# : 92363480Courier:
 Commercial
 Fed Ex UPS USPS Client
 Pace Other: _____
Custody Seal Present? Yes No Seals Intact? Yes NoDate/Initials Person Examining Contents: NC 11/15/17Packing Material: Bubble Wrap Bubble Bags None Other**Biological Tissue Frozen?**

Thermometer:

 IR Gun ID: 1701 Wet Blue None Yes No N/A

Correction Factor:

Cooler Temp Corrected (°C): 5.1

Temp should be above freezing to 6°C

 Samples out of temp criteria. Samples on ice, cooling process has begunUSDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

 Yes NoDid samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Short Hold Time Analysis (<72 hr.)?	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Correct Containers Used? -Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Sample Labels Match COC?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Trip Blank Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

CLIENT NOTIFICATION/RESOLUTIONField Data Required? Yes No

Person Contacted: _____

Date/Time: _____

Comments/Sample Discrepancy: _____

Lot ID of split containers: _____

Project Manager SCURF Review: _____

Date: 11/16

Project Manager SRF Review: _____

Date: 11/16

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)



Document Name:
Sample Condition Upon Receipt(SCUR)

Document Revised: August 4, 2017

Page 2 of 2

Document No.:
F-CAR-CS-033-Rev.04

Issuing Authority:
Pace Quality Office

*Check mark top half of box if pH and/or dechlorination
is verified and within the acceptance range for
preservation samples.

**Bottom half of box is to list number of bottles

Project #

WO# : 92363480

Due Date: 11/22/17

PM: PTE

CLIENT: 92-AMEC GA

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WG FU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG3H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VGSU-40 mL VOA Unp (N/A)	DGSP-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-S035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	Cubitainer	VSGU-20 mL Scintillation vials (N/A)	GN
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company: AMEC Wood.
Address: 1075 Big Shanty Rd
Suite 100, Kennesaw, GA 30144
Email: Rhonda.Civin@amec.fw.com
Phone: 770-421-3400 Fax
Requested Due Date: Standard Turn

Section B

Required Project Information:

Report To: Quinn, Rhonda
Copy To:
Purchase Order #:
Project Name: TK Louisville
Project #:

Section C

Invoice Information:

Attention:
Company Name:
Address:
Pace Quote:
Pace Project Manager: taylor.ezell@pacelabs.com,
Pace Profile #: 6445-1

Page : 1 Of 1

Regulatory Agency

State / Location

GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATERIAL CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil CL Wipe WP Air AR Other OT Tissue TS	MATRIX CODE (G=GRAB C=COMP) (see valid codes to left)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)			
				START		END				H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Trip BLANK	8260+1,4-Dioxane		
				DATE	TIME	DATE	TIME														
1	Manson Branch #2	WT G		11-13-17	1525			3	Unpreserved	X							X			001	
2	Seep H	WT G		11-13-17	1532			3		X										002	
3	Seep G	WT G		11-13-17	1545			3		X										003	
4	Seep #2	WT G		11-13-17	1555			3		X										004	
5	Seep I	WT G		11-13-17	1605			3		X										005	
6	DUP-1	WT G		11-13-17	1200			3		X										006	
7	MB #3	WT G		11-13-17	1634			3		X										007	
8	MB #5	WT G		11-13-17	1656			3		X										008	
9	MB #15	WT G		11-13-17	1648			3		X										009	
10	MB #16	WT G		11-13-17	1618			3		X										010	
11	TRIP BLANK	WT G						2								X	X		011		
12																			1		
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS					
SITE LIST (VOCs) INCLUDED -				ED / WOOD 7-19-17 1930				Rhonda G Pace 11-15 9:30 5.1				y w y									

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

EVER GUILLEN

SIGNATURE of SAMPLER:

DATE Signed: 11-14-17

TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Samples In tact (Y/N)
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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: 11-13-17

PURGE METHOD: NA

TIME: 1555

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: 1550

PURGE VOLUME:

WELL DIAMETER (inches):

Initial PID =

NA

Bailing PID = _____

[HAND AUGER WELL]

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 cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER: EVER G	OBSERVER: Nancy A.

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* DEPTH TO PRODUCT: _____
#2

DATE: 11-13-17

PURGE METHOD: NA

TIME: 1525

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: 1520

PURGE VOLUME:

WELL DIAMETER (inches):

Initial PID =

NA

Bailing PID = _____

[HAND AUGER WELL]

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 cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	Ever G
OBSERVER:	Mark A.

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

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 6 DEPTH TO PRODUCT: _____

DATE: 11-13-17

PURGE METHOD: NA

TIME: 1545

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: 1543

PURGE VOLUME:

WELL DIAMETER (inches):

Initial PID =

NA

Bailing PID =

HAND AUGER WELL

GENERAL INFORMATION	
WEATHER:	Sunny clear cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	EVER G
OBSERVER:	NICK A

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: 11-13-17

PURGE METHOD: NA

TIME: 1532

SAMPLE METHOD: Fill bottle from seep water

GRAB (x) COMPOSITE ()

DUP./REP. OF: DUP-1

DEPTH TO WATER:

DEPTH TO PASSIVE DIFFUSION BAG (btoc)

TOTAL DEPTH: _____

Arrived at: 1530

PURGE VOLUME:

WELL DIAMETER (inches):

Initial PID =

HAND AUGER WELD

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 cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	EVR G
OBSERVER:	Marta A

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: 11-13-17

PURGE METHOD: NA

TIME: 1605

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: 1603

PURGE VOLUME:

WELL DIAMETER (inches):

Bailing PID =

[HAND AUGER WELL]

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 cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	Ever G
OBSERVER:	Mark A

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 L DEPTH TO PRODUCT: _____

DATE: 11/3-17

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: _____

www.IBM.com/ibm4you

Arrived at: 1610

PURGE VOLUME: _____

WELL DIAMETER (inches):

Bailing PID =

HAND AUGER WELL

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:

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 M B #3 DEPTH TO PRODUCT: _____

DATE: 11-13-17

PURGE METHOD: NA

TIME: 1634

SAMPLE METHOD: Fill bottle from surface water

GRAB (x) COMPOSITE ()

DUP./REP. OF:

DEPTH TO WATER:

DEPTH TO PASSIVE DIFFUSION BAG (btoc)

WELL DIAMETER (inches):

Initial PID = _____

HAND AUGER WELL

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 Cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	Ella G.
OBSERVER:	Marcia 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#5 DEPTH TO PRODUCT: _____

DATE: 11-13-17

PURGE METHOD: NA

TIME: 16.56

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: 1650

PURGE VOLUME: _____

WELL DIAMETER (inches):

Bailing PID =

[HAND AUGER WELL]

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 cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	EVER G
OBSERVER:	Mark A

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 MA#15 DEPTH TO PRODUCT: _____

DATE: 11-13-17

PURGE METHOD: NA

TIME: 1648

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: 1644

PURGE VOLUME:

WELL DIAMETER (inches):

Bailing PID = _____

[HAND AUGER WELL]

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 cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	Eber G
OBSERVER:	Marky

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 #16 DEPTH TO PRODUCT: _____

DATE: 11-13-17

PURGE METHOD: NA

TIME: 1618

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: 1615

PURGE VOLUME: _____

WELL DIAMETER (inches)

Bailing PID =

[HAND AUGER WELL]

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 cool
SHIPPED VIA:	FedEX
SHIPPED TO:	Pace Analytical-Huntersville, NC
SAMPLER:	Ever A.
OBSERVER:	Marty A.

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

APPENDIX B
INSPECTION CHECKLISTS FOR RIP-RAP BLANKET
AND BUILDING FLOOR SLAB

Floor Slab Inspection Checklist (FSIC) – Thermo King, Louisville, Georgia

Condition	Yes	No	Description
1. Are there any cracks in the surface of the concrete greater than 1/8" in width that would allow direct contact with the soil?		✓	
a. Crack location:			
b. Crack length:			
c. Crack width:			
2. Are there any signs of settlement?	✓		
a. Location of settlement:			bottom N32-m3 48" x 6"
b. Severity of settlement:			mild
3. Is there any floor/wall separation on interior or exterior walls?			NT no outside walls in area
a. Location of separation:			
b. Separation width:			
4. Is there any ponding of water?	✓		
a. Location:			
b. Size (Diameter):			
5. Are expansion joints sealed?	✓		
a. Location:			
b. Condition of sealing material:			
6. Are there areas where concrete has been repaired/replaced?		✓	
a. Location:			
7. Are there any areas of discoloration and/or staining in the concrete?		✓	
a. Location:			
b. Size (Diameter):			
c. Apparent Source:			
8. Is there any evidence of animals burrowing underneath the slab?		✓	
a. Location:			
b. Diameter of hole:			
Additional Inspection Items	Y	N	N/A
Abrasion		✓	
Blistering	✓		sealant is blistering
Chemical Deterioration		✓	
Honeycombing		✓	
Pitting	✓		Some pitting
Reinforcement Corrosion		✓	
Spalling		✓	
Other		✓	

12/14/2016

Inspector: Mark A Ever G Company: Wood Date: 11-14-17

**Thermo King Concrete Building Slab
Louisville, Georgia
Photographic Log**



Client: Ingersoll Rand

Location: ThermoKing, Louisville, Georgia

Project: Building Slab Inspection

Date: 11/14/2017

Photo #: 2460

Photographer: M. Andrews

Description: Typical slab condition



Client: Ingersoll Rand

Location: ThermoKing, Louisville, Georgia

Project: Building Slab Inspection

Date: 11/14/2017

Photo #: 2462

Photographer: M. Andrews

Description: Typical building interior

**Thermo King Concrete Building Slab
Louisville, Georgia
Photographic Log**



Client: Ingersoll Rand

Location: ThermoKing, Louisville, GA

Project: Building Slab Inspection

Date: 11/14/2017

Photo #: 2467

Photographer: M. Andrews

Description: typical painted floor area. Evidence of birds nesting in building. Egg shells and droppings present on the floor.

Client: Ingersoll Rand

Location: ThermoKing, Louisville, GA

Project: Building Slab Inspection

Date: 11/14/2017

Photo #: 2465

Photographer: M. Andrews

Description: Typical slab condition

**Thermo King Concrete Building Slab
Louisville, Georgia
Photographic Log**



Client: Ingersoll Rand
Location: ThermoKing, Louisville, GA
Project: Building Slab Inspection
Date: 11/14/2017
Photo # 2468
Photographer: M. Andrews
Description: Possible floor settling in small area between columns N3 and M3
Client: Ingersoll Rand
Location: ThermoKing, Louisville, GA
Project: Building Slab Inspection
Date: 11/14/2017
Photo 2469
Photographer: M. Andrews
Description: Possible floor settling in small area between columns N3 and M3

Rip-Rap Blanket Inspection Checklist – Thermo King, Louisville, Georgia

Inspection Item	Observation		Condition			Weather Conditions: _____
	Yes	No	NA	MN	IA	Comments (Indicate Locations on Figure D-1 and Attach)
1. Access Road						
Erosion	✓		✓			
Ruts/Depressions	✓		✓			
Excess Vegetation/Fallen Trees	✓		✓			
2. Rip-Rap Flume To Check Dam						
Erosion	✓		✓			Some EROSION @ TOP -
Settlement of Rip-Rap	✓		✓			
Sediment Build-up in Check Dam	✓	✗	✓			SEDIMENT BUILD-UP @ BOTTOM - WATER ON SURFACE & VEGETATION
Excess Vegetation/Fallen Trees	✓					VEGETATION - NO FALLEN TREES
3. MB#2 Rip-Rap Blanket						
Erosion	✓		✓			
Settlement of Rip-Rap	✓		✓			
Water Flowing on Surface	✓		✓			
Sediment Build-up/Plugging	✓		✓			
Excess Vegetation/Fallen Trees	✓		✓			
Sampling Vault Condition	✓			✓		
4. Seep H Rip-Rap Blanket						
Erosion	✓					
Settlement of Rip-Rap	✓					

Rip-Rap Blanket Inspection Checklist – Thermo King, Louisville, Georgia

Inspection Item	Observation		Condition			Weather Conditions: _____
	Yes	No	NA	MN	IA	Comments (Indicate Locations on Figure D-1 and Attach)
Water Flowing on Surface	✓					RIP RAP SETTLED - WATER ON TOP
Sediment Build-up/Plugging	✓					Some Build-up
Excess Vegetation/Fallen Trees	✓					NO FALLEN TREES
Sampling Vault Condition	✓			✓		
5. Vegetated Embankment						
Erosion	✓					MINIMAL EROSION
Fallen Trees	✓					NO FALLEN TREES
Bare Spots	✓					Some BARE SPOTS
6. Other Observations						
Date of Inspection:	11-14-17			Inspector:	Ever Guicen / Mark Andrews	
12/14/2016				(Print)		
				(Signature)		

NA = No Action Needed

MN = No Maintenance Needed

IA = Immediate Attention Needed

**Thermo King Rip Rap Blanket
Louisville, Georgia
Photographic Log**



Client: Ingersoll Rand

Location: ThermoKing, Louisville, Georgia

Project: Riprap Blanket Inspection

Date: 11/14/2017

Photo #: 2343

Photographer: M. Andrews

Description: fallen tree branches and vegetation along access road.



Client: Ingersoll Rand

Location: ThermoKing, Louisville, Georgia

Project: Riprap Blanket Inspection

Date: 11/14/2017

Photo #: 2349

Photographer: M. Andrews

Description: Vegetation along access road.

**Thermo King Rip Rap Blanket
Louisville, Georgia
Photographic Log**

	Client: Ingersoll Rand
	Location: ThermoKing, Louisville, GA
	Project: Riprap Blanket Inspection
	Date: 11/14/2017
	Photo #: 2353
	Photographer: M. Andrews
	Description: check dam at the end of the access road, above the rip rap slope.
	Client: Ingersoll Rand
	Location: ThermoKing, Louisville, GA
	Project: Riprap Blanket Inspection
	Date: 11/14/2017
	Photo #: 2390
	Photographer: M. Andrews
	Description: Erosion at the base of a tree on the top slope of the left bank looking down toward MB#2

**Thermo King Rip Rap Blanket
Louisville, Georgia
Photographic Log**



Client: Ingersoll Rand

Location: ThermoKing, Louisville, GA

Project: Riprap Blanket Inspection

Date: 11/14/2017

Photo #: 2401

Photographer: M. Andrews

Description: Riprap blanket looking down at MB#2 from top of slope



Client: Ingersoll Rand

Location: ThermoKing, Louisville, GA

Project: Riprap Blanket Inspection

Date: 11/14/2017

Photo 2409

Photographer: M. Andrews

Description: Riprap blanket and check dam at MB#2

**Thermo King Rip Rap Blanket
Louisville, Georgia
Photographic Log**

	Client: Ingersoll Rand
	Location: ThermoKing, Louisville, GA
	Project: Riprap Blanket Inspection
	Date: 11/14/2017
	Photo #: 2413
	Photographer: M. Andrews
	Description: check dam at MB#2
	Client: Ingersoll Rand
	Location: ThermoKing, Louisville, GA
	Project: Riprap Blanket Inspection
	Date: 11/14/2017
	Photo #: 2421
	Photographer: M. Andrews
	Description: Riprap blanket looking up slope from MB#2