

Intended for:
Carolina Commercial Heat Treat
1690 Highway 138
Conyers, Georgia
HSI No. 10341

On behalf of:
Rexmet Corporation
Lansdale, PA

Prepared by:
Ramboll Environ US Corporation
Atlanta, Georgia

Date:
December 2015

Project Number:
07-21924

Carolina Commercial Heat Treat Annual VRP Status Report

Groundwater Scientist Statement

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

 12/18/15

Robert G. Patchett, P.G.

Registration No. 1639



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Acronyms and Abbreviations

CAP	Corrective Action Plan
CCHT	Carolina Commercial Heat Treat
11DCE	1,1-dichloroethene
c12DCE	cis-1,2-dichloroethene
t12DCE	trans-1,2-dichloroethene
ENVIRON	ENVIRON International, Inc.
GA EPD	Georgia Environmental Protection Division
HSI	Hazardous Site Inventory
HSRA	Hazardous Site Response Act
ml	milliliter
PCE	tetrachloroethene
PDB	passive diffusion bag
SVE	soil vapor extraction
TCE	trichloroethene
VOCs	volatile organic compounds
VRP	Voluntary Remediation Plan
ug/L	microgram per liter

1 Introduction

The former Carolina Commercial Heat Treat (CCHT) site is located at 1690 Highway 138 NE in Conyers, Georgia (**Figure 1**) and is owned by Rexmet Corporation (Rexmet). Rexmet currently leases the property to Bodycote Thermal Processing (BTP).

The Georgia Environmental Protection Division (GA EPD) listed the property on the Georgia Hazardous Site Inventory (HSI) on July 1, 1995, as Number 10341, due to a historic release of perchloroethylene (PCE) to soil. In addition to PCE in the soil, PCE and its breakdown products trichloroethylene (TCE); cis1,2-dichloroethene (c12DCE); and, 1,1-dichloroethene (11DCE) have been detected in the groundwater associated with the site. The groundwater impacts extend southeast from the former CCHT property across Highway 138. GA EPD determined that clean up levels have been met for the source materials and soil, as stated in a March 2001 letter; therefore, subsequent investigation and corrective actions have focused on groundwater impacts across Highway 138.

Rexmet submitted a Voluntary Remediation Plan (VRP) application in July 2013. The VRP application was approved by the GA EPD in a letter dated November 22, 2013. The first Groundwater Monitoring report was submitted to the GA EPD on May 21, 2014. In October 2014 Environ, on behalf of Rexmet, requested to reduce the number of wells in the monitoring well network and reduce the sampling frequency to annually. The GA EPD approved the sampling program modifications in an email dated October 8, 2014.

This report summarizes the activities that have taken place since the VRP application approval, including the results of the annual groundwater monitoring events conducted in October 2014 and October 2015.

2 Site Background

The former CCHT property is located approximately 1.3 miles north of Interstate 20 (I-20). According to the Rockdale County Board of Assessors, the 1.7 acre consists of Tax Parcel ID 069001003L. An asphalt parking lot exists on the south and southwest portions of the property. Residential properties are located north and west (upgradient) of the site, and commercial/ industrial properties are located south and east of the property. The topography southeast of Highway 138 consists of a steep grass slope and wooded area that leads to a drainage swale. This intermittent storm water drainage swale also flows on the southern portion of the site to a retention pond. This drainage swale conveys precipitation run-off from along Highway 138 to the pond. **Figure 2** shows the subject property as well as surrounding properties.

2.1 Historic Activities

The initial investigative activities associated with the site culminated with the submittal of a Corrective Action Plan (CAP) in January 2001, which was approved by GA EPD in March 2001. Based on the approved CAP, an air sparge/soil vapor extraction (SVE) remediation system was installed in 2001 to treat groundwater south of Highway 138. Additionally, an aggressive groundwater remedial action was conducted in early 2005 in the source area located at the front of the former CCHT building. A series of six multi-phase extraction (MPE) events were performed to remediate the groundwater in this area.

Active remediation via the air sparge system was suspended in June 2009, while the SVE portion of the system remained in operation. The air sparge system remained off to further evaluate the rebounding effect and the aquifer response in the remediation area. In September 2010, a mechanical failure of the SVE system caused a complete shutdown of the system. The remediation system has remained shut down as natural attenuation of the groundwater impacts is monitored.

In order to monitor the natural attenuation of the groundwater impacts, groundwater monitoring events have been performed semi-annually since 2009. Additionally, to evaluate possible groundwater impact on the intermittent drainage swale and retention pond, two surface water samples were collected from the confluence of the drainage swale and pond. During the monitoring period after the groundwater remediation system was shut down, groundwater concentrations have decreased by approximately an order of magnitude. In addition, to assess the bedrock groundwater conditions and vertically delineate the groundwater impacts, deep groundwater monitoring wells were installed in 2012 and 2013.

2.2 Site Geology

The geology at the site and surrounding properties is variable, and this variability has controlled the migration of the groundwater contaminants. Specifically, a localized bedrock high area has been identified immediately northwest (upgradient) of the site, while a steep drop and localized bedrock low area has been identified to the southeast (downgradient).

This is followed by a second localized bedrock high area further to the southeast. The bedrock low area situated between the two localized bedrock high areas essentially creates a depressed area of bedrock situated underneath and/or immediately downgradient of the suspected release area.

Shallow bedrock observed north of the drainage swale (adjacent to the east side of the former Carpenter Insulation building) is likely limiting groundwater migration to the east, as groundwater is not present in the overburden in this area. Numerous attempts to install shallow overburden wells northeast and southeast of the building were performed in 2006 and 2011. In all cases, bedrock was encountered above the water table; therefore, shallow monitoring wells could not be installed. Additionally, bedrock is at the ground surface on the northeast side of the building confirming the shallow rock presence along the east side of the groundwater plume.

2.3 Property Transactions

In order to control the property impacted by the groundwater plume, Rexmet purchased a 1-acre portion of the Stone Mountain Industrial Park (SMIP) property south of Highway 138 and west of the drainage swale as shown on **Figure 2**. Rexmet is currently in negotiations with the owners of the former Carpenter Insulation property to place environmental covenants on the property deed. Once the negotiations are completed, an environmental covenant will be executed for the site in conformance with O.C.G.A. 44-61-1, et seq., the "Georgia Uniform Environmental Covenants Act." This covenant will require that no drinking water wells will be installed on the site.

3 Annual Groundwater Monitoring

The VRP specifies that the groundwater from 14 select wells at the site is to be sampled semi-annually for two years. However, GA EPD later authorized annual sampling from a sub-set of the wells originally approved in the VRP Application. The wells are MW-15, MW-19, MW-21, MW-25D, and MW-27. Groundwater samples from the specified wells were collected in October 2014 and October 2015.

The sampling methodology and results for the annual sampling events are presented in the following subsections.

3.1 Assessment Methodology

After completing the April 2014 groundwater sampling event using standard low flow sampling methods, Ramboll-Environ installed one passive diffusion bag (PDB) sampler filled with deionized water in each of the 14 wells listed for sampling in the VRP. The PDB samplers rely on the free movement of groundwater through the well screen. As the groundwater flows through the well screen, VOCs diffuse across the bag material until constituent concentrations within the bag reach equilibrium with concentrations in the surrounding groundwater. During the following sampling events the bags are retrieved, a groundwater sample is collected from each PDB, and a new PDB is installed.

Prior to sampling, each monitoring well was opened and allowed to equilibrate. An electronic water-level meter was used to measure the static water level in the existing monitoring wells associated with the site. After the well was gauged, the PDB was retrieved and a sample was collected directly from the PDB. After sampling, a new PDB was installed in each well. Details for each sampling event are presented below.

3.1.1 October 2014 Sampling Event

Groundwater samples were collected in October 2014 from the 14 groundwater wells in the original monitoring network and analyzed for VOCs. Duplicate samples from MW-15 and MW-25D were also collected and analyzed for VOCs.

Prior to collecting groundwater samples, 19 existing monitoring wells associated with the site were gauged. It is notable that the groundwater elevations indicated that the water levels in most of the wells decreased by approximately 1 to 5 feet since the previous sampling event in April 2014.

3.1.2 October 2015 Sampling Event

Groundwater samples were collected on October 10, 2015, from the 5 groundwater wells in the approved monitoring network and analyzed for VOCs. A duplicate sample from MW-19 was also collected and analyzed for VOCs.

Prior to collecting groundwater samples, 14 existing monitoring wells associated with the site were gauged. Groundwater elevations indicated that the water levels in the wells at the site were similar to those observed during the previous sampling event in October 2014.

3.1.3 Groundwater Sample Handling

Groundwater samples were collected from the PDBs in each well and placed into clean, laboratory provided, appropriately preserved (with laboratory-supplied hydrochloric acid), 40-milliliter glass vials, and labeled and placed on ice prior to delivery under chain-of-custody protocol to Gulf Coast Analytical Laboratory, LLC (GCAL) in Baton Rouge, Louisiana for analysis. The sample containers for each well were handled using new, disposable Nitrile gloves. The samples were analyzed for VOCs using U.S. EPA SW-846 Method 8260B. For quality assurance and control, duplicate samples were collected, and a trip blank accompanied the sample containers and groundwater samples, and was analyzed for the same parameters as the groundwater samples. In addition, the laboratory produced method blanks, laboratory control spikes, matrix spikes, and matrix spike duplicates.

3.1.4 Ancillary Field Activities

Following sampling, the purge water was contained in a steel, 55-gallon drum for future disposal. The electronic water level meter was decontaminated prior to its initial use and after being used at each well by cleaning with a Liquinox and distilled water mixture and then rinsing with distilled water.

3.2 Groundwater Flow Direction

The depth to groundwater was measured in each of the existing monitoring wells during both annual monitoring events (October 2014 and October 2015). These measurements, in conjunction with the surveyed elevation of the reference point for each monitoring well (the top of well casing), were used to calculate the elevation of the water table at each monitoring well. Depth to groundwater measurements and corresponding groundwater elevations are presented in **Table 1**. Graphical representations of groundwater elevation changes for the monitoring wells are included in the PCE concentration trend charts located in **Appendix A**.

Groundwater potentiometric maps were prepared for each annual event using the groundwater elevation data to estimate groundwater flow direction and horizontal hydraulic gradients for the surficial aquifer (**Figure 3** and **Figure 4**). Based on the potentiometric maps, groundwater flow at the site is generally toward the east.

3.3 Analytical Results

October 2014 - PCE was detected in 11 of the 14 monitoring wells sampled in October 2014. The greatest concentration detected was MW-15 at 493 µg/L which is an increase from the concentration of 148 µg/L detected in April 2014. The concentrations of PCE in the other wells remained relatively constant. In addition, several breakdown products of PCE (TCE, 11DCE, and c12DCE) were detected in the downgradient monitoring well MW-21 which is consistent with historical results. A summary of the analytical results are presented in **Table 2**, and PCE concentrations in the groundwater are shown in **Figure 5**. Trend charts showing the VOC concentrations detected in select wells and the depth to groundwater are provided in **Appendix A**, and laboratory reports are provided in **Appendix B**.

October 2015- PCE was detected in 5 of the 5 monitoring wells sampled in October 2015. The greatest concentration detected was MW-15 at 324 µg/L which is a decrease from the concentration of 493 µg/L detected in October 2015. The concentrations of PCE in the other wells remained relatively constant. The PCE concentration in downgradient well MW-21, detected at 24.3 µg/L, continues to decrease to the lowest value observed since January 2012. In addition, several breakdown products of PCE (TCE, 11DCE, and c12DCE) were detected in the well MW-21 which is consistent with historical results. A summary of the analytical results are presented in **Table 2**, and PCE concentrations in the groundwater are shown in **Figure 6**. Trend charts showing the VOC concentrations detected in select wells and the depth to groundwater are provided in **Appendix A**, and laboratory reports are provided in **Appendix B**.

4 Monitoring Well Abandonment

The Bodycote Thermal Processing facility caught fire in April 2015 and it was determined that the building would be demolished. Most, if not all of the groundwater monitoring wells on that property would likely have been damaged during the demolition process. A request was made with GA EPD to abandon and not replace the wells on the property. GA EPD gave approval to properly abandon the twelve monitoring wells near the Bodycote facility in an email dated May 18, 2015.

Following approval by formal communication from GA EPD, the twelve groundwater monitoring wells associated with the site were abandoned following guidelines described in GA EPD Manual for Groundwater Monitoring Wells, dated September 1991.

On June 29, 2015, each of the 2-inch diameter PVC groundwater monitoring wells were abandoned by tremie grouting the wells in place. After grouting, the upper portion of PVC casing material (if above the ground surface) and the steel well vaults were removed. The openings were subsequently filled in with concrete. The abandonment was performed by a Georgia licensed water well driller, and overseen by a staff geologist under the guidance and direction of a Georgia licensed professional geologist.

The wells abandoned, and their respective depths are presented on the table below.

Well ID	Well Depth (ft bgs)
MW-01	35.5
MW-03	30.3
MW-04	35.0
MW-05	25.0
MW-06	30.0
MW-07	31.0
MW-08R	30.0
MW-09R	30.0
MW-10	65.0
MW-13	38.0
MW-18	30.0
MW-26D	88.5

5 Summary and Conclusions

The approved corrective action for the site, monitored natural attenuation, continued during 2014-2015 period. Site activities conducted during this period included annual groundwater sampling in October 2014 and October 2015, and monitoring well abandonments in June 2015. The results of the annual groundwater sampling activities indicate that:

- PCE is present in 11 of the 14 wells sampled in 2014, and 5 of the 5 wells sampled in 2015.
- PCE concentrations have remained relatively constant or decreased slightly since previous sampling events, with exception of the PCE concentration in MW-15.
- The PCE concentration in MW-15 appears to follow a seasonal flux pattern (lower in the spring and higher in the fall).
- Several breakdown products of PCE, including TCE, 11DCE, and c12DCE, have been detected in the downgradient monitoring well MW-21.

A portion of the SMIP property previously impacted by the groundwater plume has been purchased by Rexmet. Negotiations continue with the owners of the former Carpenter Insulation property to place deed restrictions on that property.

As stated in the VRP, with later modifications approved by the GAEPD, groundwater monitoring at the site will continue on an annual basis. The next annual sampling event will be scheduled for October 2016 with an annual report submittal in November 2016.

Tables

Table 1 - Water Elevation Data
CCHT - HSI No. 10341
Conyers, Georgia

Well IDs	Date of Installation	Top of Casing Elevation	DTW 5/1/2013	Elevation 5/1/2013	DTW 10/7/2013	Elevation 10/7/2013	DTW 4/24/2014	Elevation 4/24/2014	DTW 10/30/2014	Elevation 10/30/2014	DTW 10/8/2015	Elevation 10/8/2015
MW-1 ⁽¹⁾	10/15/1993	865.81	26.30	839.51	24.20	841.61	23.12	842.69	26.72	839.09	--	--
MW-3 ⁽¹⁾	3/28/1995	866.61	17.39	849.22	17.72	848.89	16.02	850.59	19.73	846.88	--	--
MW-4 ⁽¹⁾	3/28/1995	874.16	30.85	843.31	28.26	845.90	27.07	847.09	NM	NM	--	--
MW-5 ^{(1) (2)}	3/29/1995	873.58	12.93	860.65	11.87	861.71	10.73	862.85	NM	NM	--	--
MW-6 ⁽¹⁾	11/28/1995	868.76	27.32	841.44	24.61	844.15	23.55	845.21	27.82	840.94	--	--
MW-7 ⁽¹⁾	11/29/1995	863.60	24.02	839.58	22.09	841.51	20.97	842.63	NM	NM	--	--
MW-8	3/1/1999	861.89	--	--	--	--	--	--	--	--	--	--
MW-8R ^{(1) (3) (4)}	9/6/2006	863.25	24.07	839.18	21.96	841.29	20.71	842.54	24.43	838.82	--	--
MW-9	3/2/1999	856.32	--	--	--	--	--	--	--	--	--	--
MW-9R ^{(1) (3) (5)}	9/6/2006	857.14	24.28	832.86	18.85	838.29	18.10	839.04	20.89	836.25	--	--
MW-10 ⁽⁹⁾	6/18/1999	866.14	26.63	839.51	24.56	841.58	23.43	842.71	26.50	839.64	--	--
MW-11	12/27/1999	847.53	15.05	832.48	12.80	834.73	12.85	834.68	NM	NM	15.28	832.25
MW-12	12/27/1999	846.59	15.71	830.88	15.67	830.92	14.02	832.57	17.34	829.25	15.90	830.69
MW-13 ⁽¹⁾	3/27/2000	866.00	26	840.00	23.91	842.09	22.72	843.28	27.07	838.93	--	--
MW-14	7/7/2000	842.24	20.87	821.37	19.27	822.97	18.55	823.69	20.65	821.59	20.51	821.73
MW-15	7/7/2000	843.25	15.36	827.89	15.56	827.69	13.96	829.29	17.35	825.90	15.62	827.63
MW-16	7/26/2000	830.18	10.98	819.20	11.66	818.52	10.19	819.99	NM	NM	NM	NM
MW-17	7/26/2000	826.35	15.68	810.67	16.57	809.78	15.69	810.66	NM	NM	18.22	808.13
MW-18 ^{(1) (6)}	9/6/2006	861.56	22.49	839.07	20.65	840.91	19.53	842.03	22.96	838.60	--	--
MW-19	9/7/2006	836.42	16.76	819.66	18.20	818.22	16.14	820.28	18.86	817.56	18.74	817.68
MW-20	9/7/2006	841.37	15.73	825.64	16.43	824.94	14.74	826.63	17.69	823.68	16.64	824.73
MW-21	9/7/2006	838.58	17.68	820.90	18.52	820.06	16.73	821.85	18.91	819.67	18.72	819.86
MW-22	6/12/2007	854.34	23.31	831.03	22.65	831.69	21.38	832.96	NM	NM	23.31	831.03
MW-23	6/12/2007	841.56	12.18	829.38	12.43	829.13	10.86	830.70	13.86	827.70	12.49	829.07
MW-24	6/12/2007	847.36	23.92	823.44	23.13	824.23	22.41	824.95	24.60	822.76	24.15	823.21
MW-25D ⁽⁷⁾	6/12/2007	850.17	18.42	831.75	18.30	831.87	16.67	833.50	20.29	829.88	18.73	831.44
MW-26D ^{(1) (8)}	6/12/2007	861.26	22.32	838.94	21.17	840.09	19.66	841.60	23.47	837.79	--	--
MW-27D	5/18/2012	834.31	5.75	828.56	6.02	828.29	6.41	827.90	7.56	826.75	6.24	828.07
MW-28D	5/18/2012	834.18	8.8	825.38	14.60	819.58	4.47	829.71	NM	NM	6.52	827.66
MW-29D ⁽⁹⁾	5/3/2013	NA	NA	NA	15.90	NA	15.03	NA	NM	NM	16.33	NA

Notes:

- (1) Well was abandoned on June 29, 2015.
(2) Well was resurveyed on June 8, 2003. Historic elevation was 874.66 ft amsl.
(3) Well is a replacement well installed on September 6, 2006.
(4) Well was resurveyed on May 22, 2012. Historic elevation was 863.24 ft amsl.
(5) Well was resurveyed on May 22, 2012. Historic elevation was 857.16 ft amsl.
(6) Well was resurveyed on May 22, 2012. Historic elevation was 861.56 ft amsl.
(7) Well was resurveyed on May 22, 2012. Historic elevation was 850.19 ft amsl.
(8) Well was resurveyed on May 22, 2012. Historic elevation was 857.18 ft amsl. The apparent inconsistency between current and historic casing elevations for MW-26D is due to the mislabeling of a survey ID point on June 28, 2007.
(9) Well was not surveyed.
NA Not Available
DTW Depth to Water
NM Not Measured
-- Monitoring well has been abandoned

Table 2 - Summary of Groundwater Results
CCHT - Conyers, Georgia
October 2015

		Analyte CAS No. RRS (1)	1,1-DCE 75-35-4 820	Chloroform 67-66-3 360	Chloromethane 74-87-3 1100	c12DCE 156-59-2	PCE 127-18-4 240	TCE 79-01-6 22	Vinyl Chloride 75-01-4 25
Location	Date Sampled	Units							
MW-06	12/1/2009	ug/l	< 5	< 5	< 5	< 5	17.9	< 5	< 2
	9/20/2010	ug/l	< 5	< 5	< 5	< 5	5.03	< 5	< 2
	3/23/2011	ug/l	< 5	< 5	< 5	< 5	7.97	< 5	< 2
	9/28/2011	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2
	5/2/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	13.2	< 5.00	< 5.00
	10/7/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	8.72	< 5.00	< 5.00
	4/24/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	7.44	< 5.00	< 2.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	7.86	< 5.00	< 5.00
	6/29/2015	Monitoring Well Abandoned							
MW-08R DUP-02 DUP-01	12/1/2009	ug/l	< 5	7.89	< 5	< 5	19.8	< 5	< 2
	9/20/2010	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2
	3/23/2011	ug/l	< 5	6.08	< 5	< 5	19.7	< 5	< 2
	9/27/2011	ug/l	< 5	5.23	< 5	< 5	15.3	< 5	< 2
	2/2/2012	ug/l	< 5	6.86	< 5	< 5	31	< 5	< 5
	9/18/2012	ug/l	< 5	< 5	< 5	< 5	11.1	< 5	< 5
	9/18/2012	ug/l	< 5	< 5	< 5	< 5	9.55	< 5	< 5
	5/1/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	16.7	< 5.00	< 5.00
	5/3/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	15.6	< 5.00	< 5.00
	10/7/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	10.9	< 5.00	< 5.00
	4/24/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	9.96	< 5.00	< 2.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	15.5	< 5.00	< 5.00
	6/29/2015	Monitoring Well Abandoned							
MW-12	12/3/2009	ug/l	< 5	< 5	< 5	< 5	12.6	< 5	< 2
	9/21/2010	ug/l	< 5	< 5	< 5	< 5	8.9	< 5	< 2
	3/24/2011	ug/l	< 5	< 5	< 5	< 5	5.71	< 5	< 2
	9/27/2011	ug/l	< 5	< 5	8.35	< 5	9.36	< 5	< 2
	1/31/2012	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	9/18/2012	ug/l	< 5	< 5	< 5	< 5	6.68	< 5	< 5
	5/2/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	5.27	< 5.00	< 5.00
	10/8/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	7.75	< 5.00	< 5.00
	4/25/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	7.95	< 5.00	< 2.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	8.75	< 5.00	< 5.00

Table 2 - Summary of Groundwater Results
CCHT - Conyers, Georgia
October 2015

Analyte CAS No. RRS (1)			1,1-DCE 75-35-4 820	Chloroform 67-66-3 360	Chloromethane 74-87-3 1100	c12DCE 156-59-2	PCE 127-18-4 240	TCE 79-01-6 22	Vinyl Chloride 75-01-4 25	
Location	Date Sampled	Units								
MW-14	12/1/2009	ug/l	< 5	< 5	< 5	< 5	28.9	< 5	< 2	
	9/21/2010	ug/l	< 5	< 5	< 5	< 5	21.8	< 5	< 2	
	3/24/2011	ug/l	< 5	< 5	< 5	< 5	22.6	< 5	< 2	
	9/28/2011	ug/l	< 5	< 5	25	< 5	16.9	< 5	< 2	
	2/1/2012	ug/l	< 5	< 5	< 5	< 5	26	< 5	< 5	
	9/17/2012	ug/l	< 5	< 5	< 5	< 5	22.1	< 5	< 5	
	5/2/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	17.3	< 5.00	< 5.00	
	10/8/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	17.1	< 5.00	< 5.00	
	4/25/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	17.4	< 5.00	< 2.00	
10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	12.3	< 5.00	< 5.00		
MW-15	DUP-02	12/3/2009	ug/l	5.59	< 5	< 5	< 5	100	< 5	< 2
		12/3/2009	ug/l	< 5	< 5	< 5	< 5	110	< 5	< 2
		9/21/2010	ug/l	14.6	< 5	< 5	6.87	406	< 5	< 2
		3/24/2011	ug/l	< 5	< 5	< 5	< 5	91.7	< 5	< 2
		9/28/2011	ug/l	17.9	< 5	26	13.6	693	< 5	< 2
	DUP-01	2/1/2012	ug/l	< 5	< 5	< 5	< 5	82.2	< 5	< 5
		2/1/2012	ug/l	< 5	< 5	< 5	< 5	88.8	< 5	< 5
		9/17/2012	ug/l	< 25 D	< 25 D	< 25 D	< 25 D	606 D	< 25 D	< 25 D
		5/2/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	171	< 5.00	< 5.00
	DUP-01	10/8/2013	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	353	< 25.0	< 25.0
		10/8/2013	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	456	< 25.0	< 25.0
	DUP-01	4/25/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	148	< 5.00	< 2.00
		4/25/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	114	< 5.00	< 2.00
		10/30/2014	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	493	< 25.0	< 25.0
		10/8/2015	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	324	< 25.0	< 10.0
MW-18	12/3/2009	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2	
	9/20/2010	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2	
	3/23/2011	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2	
	9/27/2011	ug/l	< 5	< 5	5.72	< 5	< 5	< 5	< 2	
	2/1/2012	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
	9/18/2012	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
	5/1/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	
	10/7/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	
	4/24/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 2.00	
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	
	6/29/2015	Monitoring Well Abandoned								

Table 2 - Summary of Groundwater Results
CCHT - Conyers, Georgia
October 2015

		Analyte CAS No. RRS (1)	1,1-DCE 75-35-4 820	Chloroform 67-66-3 360	Chloromethane 74-87-3 1100	c12DCE 156-59-2	PCE 127-18-4 240	TCE 79-01-6 22	Vinyl Chloride 75-01-4 25
Location	Date Sampled	Units							
MW-19	12/3/2009	ug/l	6.17	< 5	< 5	< 5	355	< 5	< 2
	3/5/2010	ug/l	< 5	< 5	< 5	9.66	38.9	< 5	< 2
	9/21/2010	ug/l	< 5	< 5	< 5	106	20.9	18.9	2.76
	3/24/2011	ug/l	< 5	< 5	< 5	< 5	99.1	< 5	< 2
	9/28/2011	ug/l	5.37	< 5	< 5	77.5	62.8	8.82	< 2
	1/31/2012	ug/l	7.14	< 5	< 5	< 5	230 D	< 5	< 5
	9/18/2012	ug/l	5.18	< 5	< 5	< 5	150	< 5	< 5
	5/2/2013	ug/l	5.81	< 5.00	< 5.00	< 5.00	183	< 5.00	< 5.00
	10/8/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	86.2	< 5.00	< 5.00
	4/25/2014	ug/l	5.15	< 5.00	< 5.00	< 5.00	154	< 5.00	< 2.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	43.9	< 5.00	< 5.00
	10/30/2014	ug/l	< 10.0	< 10.0	< 10.0	< 10.0	183	< 10.0	< 10.0
	10/8/2015	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	164	< 25.0	< 10.0
DUP-01	10/8/2015	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	179	< 25.0	< 10.0
MW-20	12/3/2009	ug/l	< 5	< 5	< 5	< 5	15.2	< 5	< 2
	9/21/2010	ug/l	< 5	< 5	< 5	< 5	21	< 5	< 2
	3/24/2011	ug/l	< 5	< 5	< 5	< 5	9.57	< 5	< 2
	9/28/2011	ug/l	< 5	< 5	28.2	< 5	12.8	< 5	< 2
	2/1/2012	ug/l	< 5	< 5	< 5	< 5	19.5	< 5	< 5
	9/17/2012	ug/l	< 5	< 5	< 5	< 5	19.7	< 5	< 5
	5/2/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	12.7	< 5.00	< 5.00
	10/8/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	17.3	< 5.00	< 5.00
	4/25/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	5.25	< 5.00	< 2.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
DUP-01	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
MW-21	12/3/2009	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2
	3/5/2010	ug/l	< 5	< 5	< 5	< 5	131	< 5	< 2
	9/21/2010	ug/l	< 5	< 5	< 5	< 5	117	< 5	< 2
	3/24/2011	ug/l	< 5	< 5	< 5	25.1	< 5	< 5	4.75
	9/28/2011	ug/l	5.47	< 5	< 5	< 5	107	< 5	< 2
	1/31/2012	ug/l	< 5	< 5	< 5	9.95	22.8	< 5	< 5
	9/17/2012	ug/l	< 5	< 5	< 5	40.5	50.6	14.1	< 5
	5/2/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	44.8	< 5.00	< 5.00
	10/8/2013	ug/l	< 5.00	< 5.00	< 5.00	17	63.9	11.2	< 5.00
	4/25/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	45.2	< 5.00	< 2.00
	10/30/2014	ug/l	5.51	< 5.00	< 5.00	37.2	88.9	39.2	< 5.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	37	46.8	26.9	< 5.00
	10/8/2015	ug/l	< 5.00	< 5.00	< 5.00	20.8	24.3	10.8	< 2.00

Table 2 - Summary of Groundwater Results
CCHT - Conyers, Georgia
October 2015

		Analyte CAS No. RRS (1)	1,1-DCE 75-35-4 820	Chloroform 67-66-3 360	Chloromethane 74-87-3 1100	c12DCE 156-59-2	PCE 127-18-4 240	TCE 79-01-6 22	Vinyl Chloride 75-01-4 25
Location	Date Sampled	Units							
MW-23	12/3/2009	ug/l	58.1	< 5	< 5	10.9	1730	31.8	< 2
	9/21/2010	ug/l	< 5	< 5	< 5	< 5	135	< 5	< 2
	DUP-02 9/21/2010	ug/l	< 5	< 5	< 5	< 5	140	< 5	< 2
	DUP-01 3/24/2011	ug/l	< 5	< 5	< 5	< 5	123	< 5	< 2
	DUP-01 3/24/2011	ug/l	< 5	< 5	< 5	< 5	121	< 5	< 2
	DUP-02 9/27/2011	ug/l	< 5	< 5	17.7	< 5	121	< 5	< 2
	DUP-02 9/27/2011	ug/l	< 5	< 5	25.7	< 5	92.6	< 5	< 2
	1/31/2012	ug/l	< 5	< 5	< 5	< 5	77.7	< 5	< 5
	9/18/2012	ug/l	< 5	< 5	< 5	< 5	63.9	< 5	< 5
	5/3/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	51.7	< 5.00	< 5.00
	10/24/2013	ug/l	< 5.00	5.72	< 5.00	< 5.00	69.9	< 5.00	< 5.00
	4/25/2014	ug/l	< 5.00	8.73	< 5.00	< 5.00	59.6	< 5.00	< 2.00
	10/30/2014	ug/l	< 5.00	11.2	< 5.00	< 5.00	159	< 5.00	< 5.00
MW-24	12/3/2009	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2
	9/21/2010	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2
	3/24/2011	ug/l	< 5	< 5	< 5	< 5	< 5	< 5	< 2
	9/28/2011	ug/l	< 5	< 5	14.4	< 5	6.87	< 5	< 2
	2/1/2012	ug/l	< 5	< 5	< 5	< 5	10.2	< 5	< 5
	9/17/2012	ug/l	< 5	< 5	< 5	< 5	6.75	< 5	< 5
	5/2/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
	10/8/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
	4/24/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 2.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
MW-25D	12/3/2009	ug/l	< 5	< 5	< 5	< 5	296	< 5	< 2
	9/21/2010	ug/l	< 5	< 5	< 5	< 5	532	< 5	< 2
	3/24/2011	ug/l	< 5	< 5	< 5	< 5	146	< 5	< 2
	DUP-02 3/24/2011	ug/l	< 5	< 5	< 5	< 5	93.8	< 5	< 2
	DUP-01 9/27/2011	ug/l	< 5	< 5	< 5	< 5	103	< 5	< 2
	DUP-01 9/27/2011	ug/l	< 5	< 5	15.8	< 5	107	< 5	< 2
	DUP-02 2/2/2012	ug/l	< 5	< 5	< 5	< 5	355 D	< 5	< 5
	DUP-02 2/2/2012	ug/l	< 5	5	< 5	< 5	274 D	< 5	< 5
	9/18/2012	ug/l	< 25 D	< 25 D	< 25 D	< 25 D	370 D	< 25 D	< 25 D
	DUP-01 9/18/2012	ug/l	< 25 D	< 25 D	< 25 D	< 25 D	280 D	< 25 D	< 25 D
	5/2/2013	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	318	< 25.0	< 25.0
	10/8/2013	ug/l	< 10.0	< 10.0	< 10.0	< 10.0	317	< 10.0	< 10.0
	DUP-02 10/8/2013	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	375	< 25.0	< 25.0
	DUP-02 4/25/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	293	< 5.00	< 2.00
	DUP-02 4/25/2014	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	369	< 25.0	< 25.0
	DUP-02 10/30/2014	ug/l	< 10.0	< 10.0	< 10.0	< 10.0	330	< 10.0	< 10.0
	DUP-02 10/30/2014	ug/l	< 10.0	< 10.0	< 10.0	< 10.0	322	< 10.0	< 10.0
	10/8/2015	ug/l	< 25.0	< 25.0	< 25.0	< 25.0	222	< 25.0	< 10.0

Table 2 - Summary of Groundwater Results
CCHT - Conyers, Georgia
October 2015

Analyte CAS No. RRS (1)			1,1-DCE 75-35-4 820	Chloroform 67-66-3 360	Chloromethane 74-87-3 1100	c12DCE 156-59-2	PCE 127-18-4 240	TCE 79-01-6 22	Vinyl Chloride 75-01-4 25
Location	Date Sampled	Units							
MW-26D	12/3/2009	ug/l	< 5	< 5	< 5	< 5	391	< 5	< 2
	DUP-01 12/3/2009	ug/l	56.6	< 5	< 5	11.2	1900	31.9	< 2
	DUP-01 9/20/2010	ug/l	38.7	< 5	< 5	5.59	922	17.8	< 2
	DUP-01 9/20/2010	ug/l	38.4	< 5	< 5	5.69	934	16.1	< 2
	DUP-02 3/23/2011	ug/l	< 5	< 5	< 5	< 5	7.71	< 5	< 2
	DUP-02 9/27/2011	ug/l	< 5	< 5	5.38	< 5	49.5	< 5	< 2
	DUP-02 2/1/2012	ug/l	< 5	< 5	< 5	< 5	7.68	< 5	< 5
	DUP-02 9/18/2012	ug/l	< 5	< 5	< 5	< 5	20.9	< 5	< 5
	DUP-02 5/1/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	5.45	< 5.00	< 5.00
	DUP-02 5/3/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	5.05	< 5.00	< 5.00
	DUP-02 10/7/2013	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	10.4	< 5.00	< 5.00
	DUP-02 4/24/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	11.2	< 5.00	< 2.00
	DUP-02 10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	31.6	< 5.00	< 5.00
	DUP-02 6/29/2015	Monitoring Well Abandoned							
MW-27D	5/18/2012	ug/l	< 5	14.4	< 5	< 5	120	< 5	< 5
	9/17/2012	ug/l	< 5	5.49	< 5	< 5	114	< 5	< 5
	5/3/2013	ug/l	< 5.00	5	< 5.00	< 5.00	89.5	< 5.00	< 5.00
	10/8/2013	ug/l	< 5.00	5.13	< 5.00	< 5.00	96.2	< 5.00	< 5.00
	4/25/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	69.3	< 5.00	< 2.00
	10/30/2014	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	106	< 5.00	< 5.00
	10/8/2015	ug/l	< 5.00	< 5.00	< 5.00	< 5.00	64.3	< 5.00	< 2.00

Notes:

(1) Risk Reduction Standards (RRS) submitted in March 2010 and approved by EPD (with corrections) in December 2012

Only analytes with an EPD-approved RRS are presented

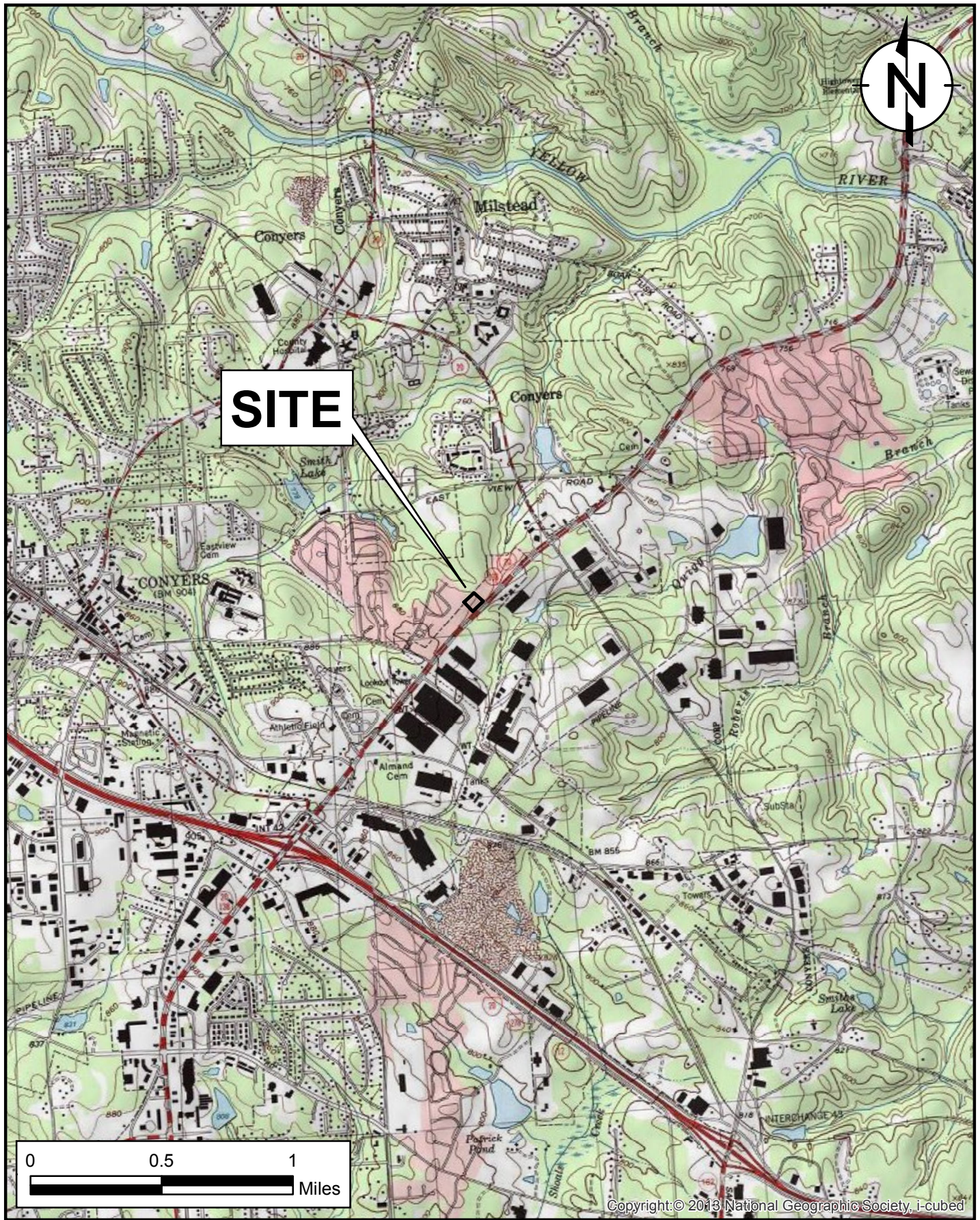
Bold and highlighted values indicate an exceedance of the RRS

ug/l -- Micrograms per liter (parts per billion)

< Analyte was not detected at the laboratory reporting limit indicated

J -- Concentration is greater than the method detection limit but less than the laboratory reporting limit

Figures



P:\CCHT\Figures\GIS\MXD\Figure 1. Site Location Map.mxd



ENVIRON

SITE LOCATION MAP

CCHT- CONYERS, GEORGIA

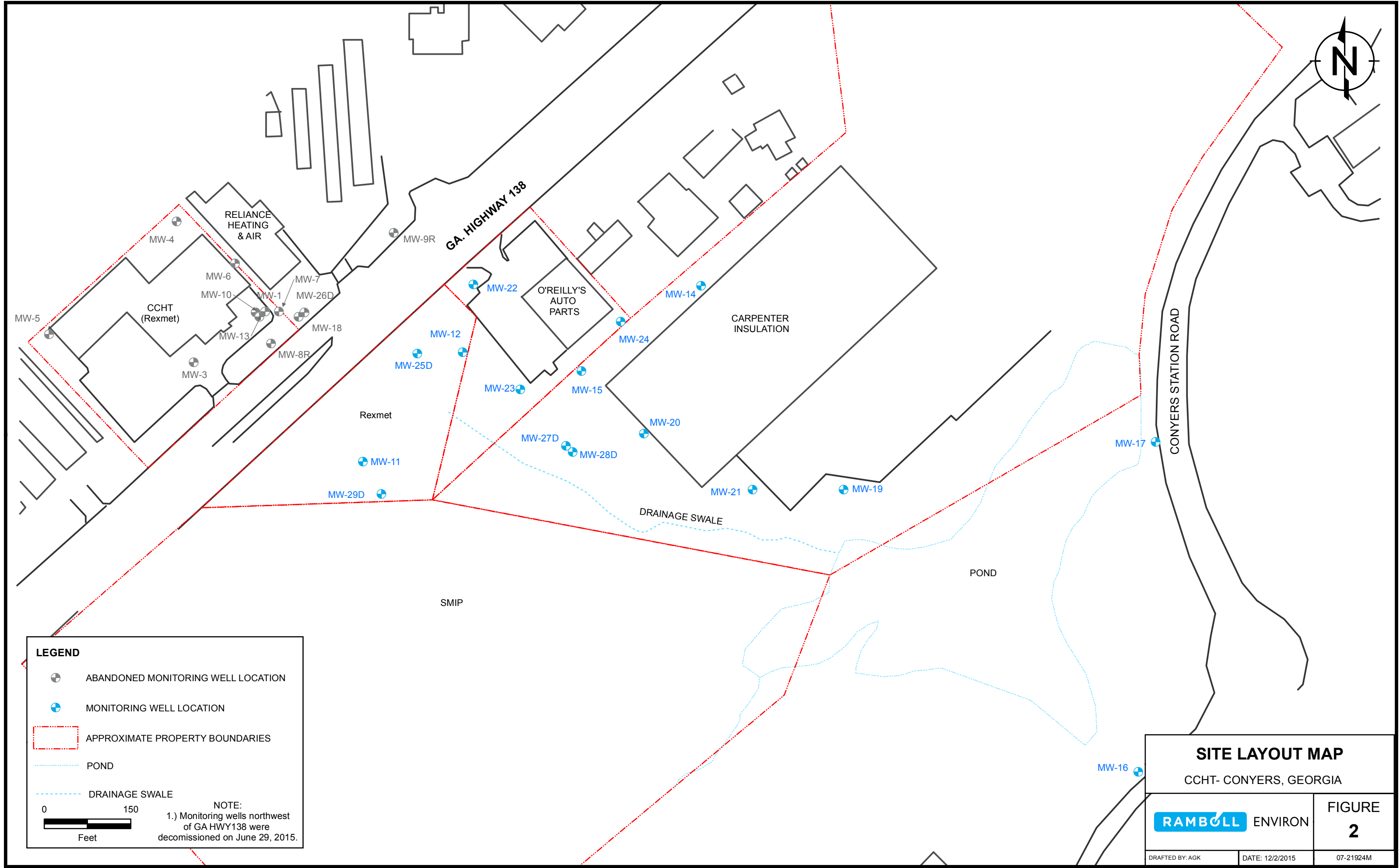
Figure

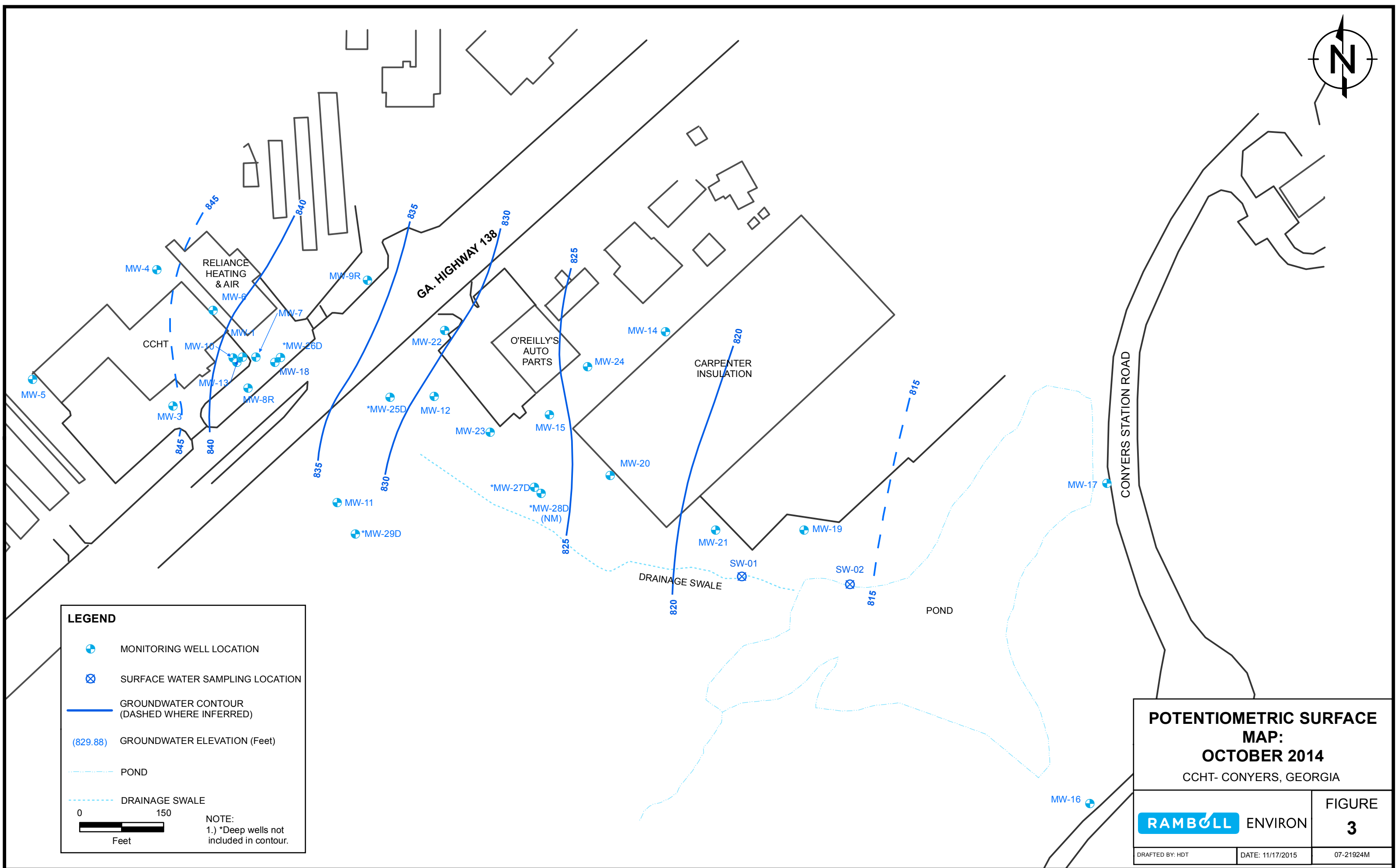
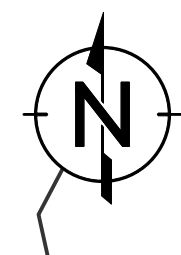
1

DRAFTED BY: HThompson

DATE: 12/4/2015

07-21924K





LEGEND

 MONITORING WELL LOCATION

 SURFACE WATER SAMPLING LOCATION

 GROUNDWATER CONTOUR
(DASHED WHERE INFERRED)

 (829.88) GROUNDWATER ELEVATION (Feet)

 POND

 DRAINAGE SWALE

0150
Feet

NOTE:
1.) *Deep wells not
included in contour.

**POTENTIOMETRIC SURFACE
MAP:
OCTOBER 2014**
CCHT- CONYERS, GEORGIA

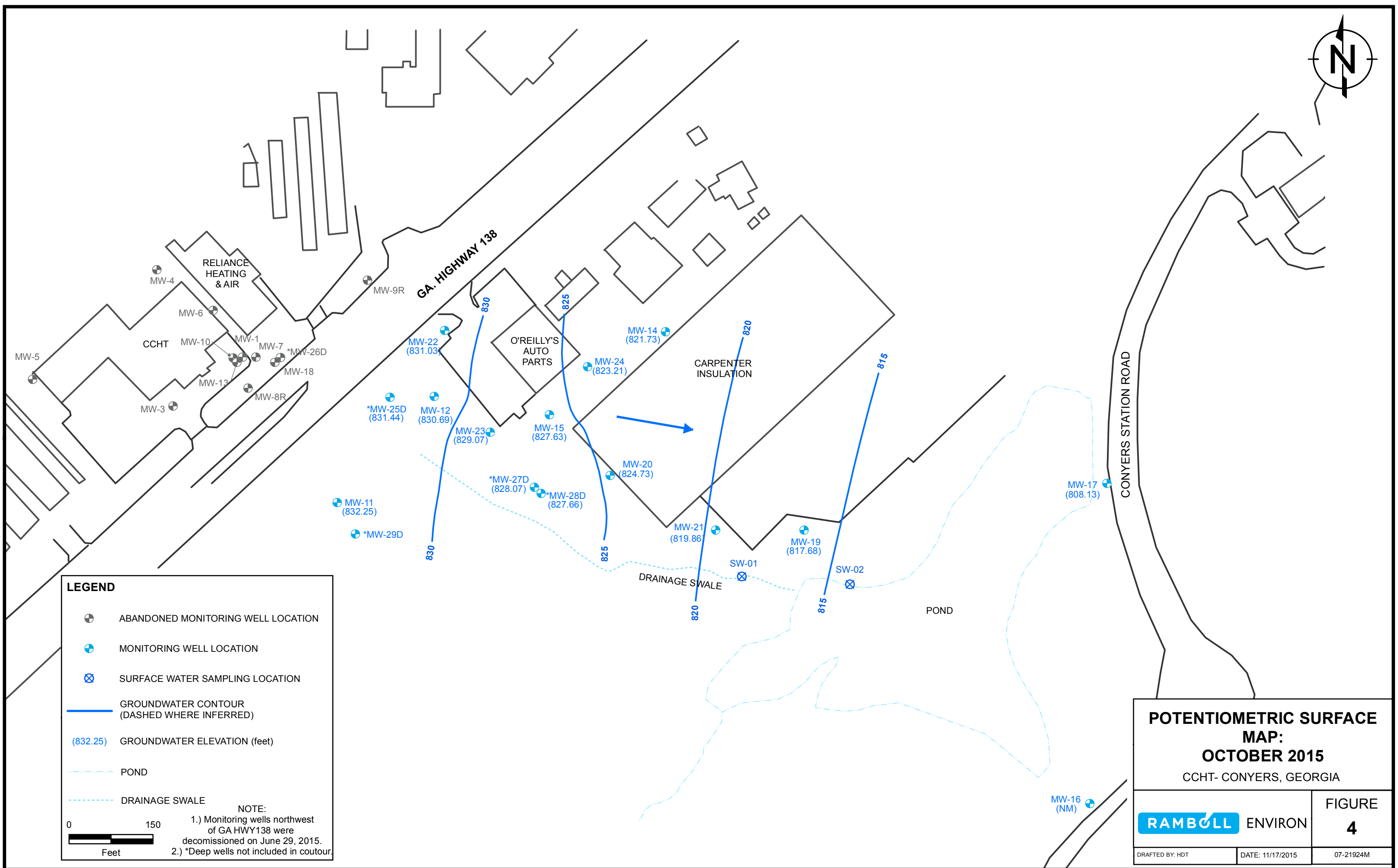
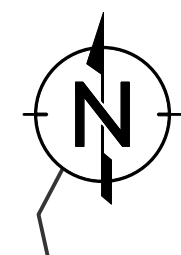
 ENVIRON

**FIGURE
3**

DRAFTED BY: HDT

DATE: 11/17/2015

07-21924M



LEGEND

- ABANDONED MONITORING WELL LOCATION
- MONITORING WELL LOCATION
- SURFACE WATER SAMPLING LOCATION
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (832.25) GROUNDWATER ELEVATION (feet)
- POND
- DRAINAGE SWALE

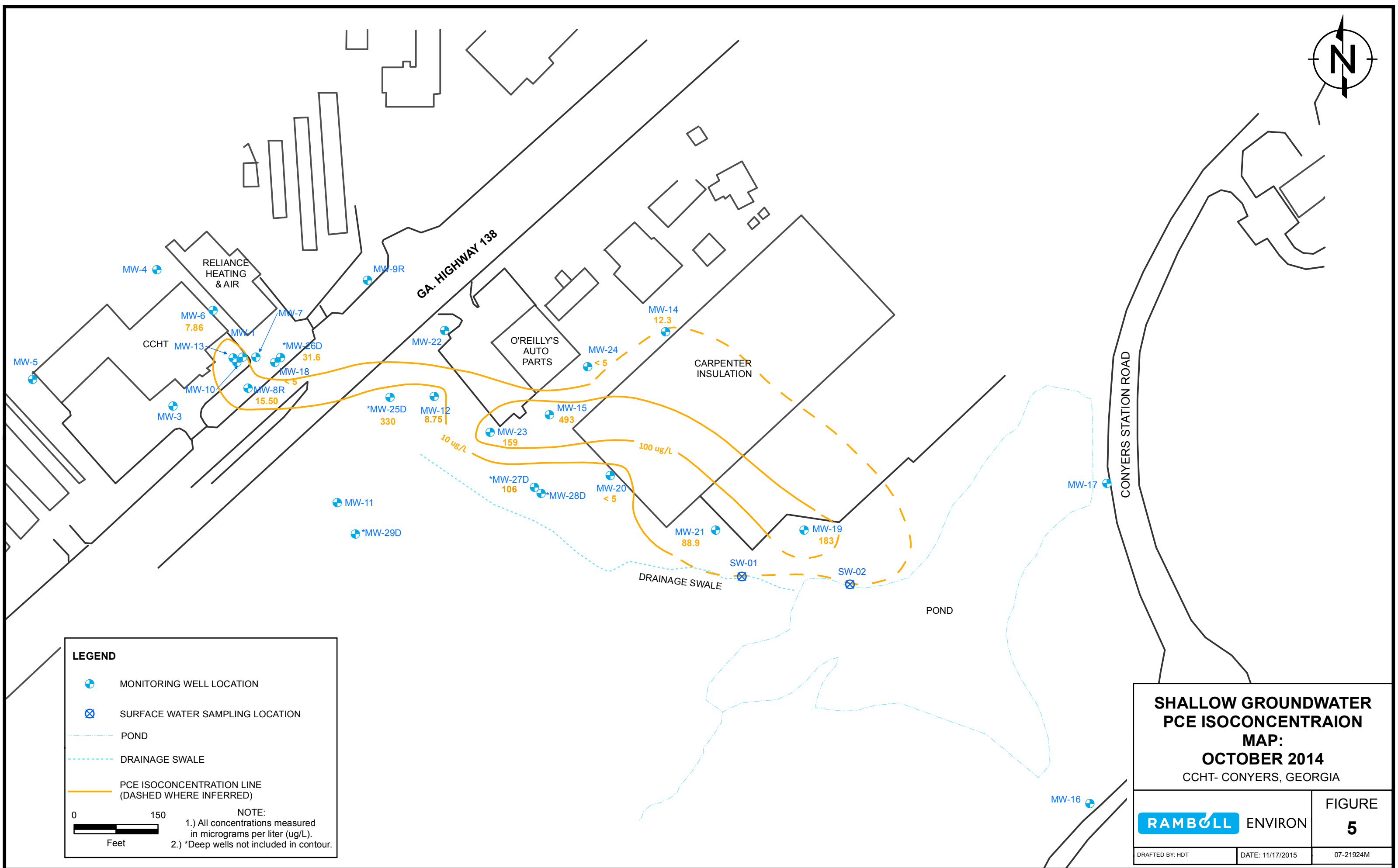
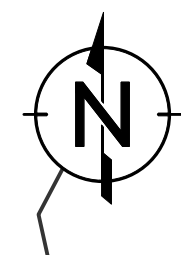
NOTE:

1.) Monitoring wells northwest of GA HWY 138 were decommissioned on June 29, 2015.

2.) *Deep wells not included in contour.

0 150 Feet

POTENTIOMETRIC SURFACE MAP: OCTOBER 2015 CCHT- CONYERS, GEORGIA		
RAMBOLL ENVIRON		FIGURE 4
DRAFTED BY: HDT	DATE: 11/17/2015	07-21924M



LEGEND

- MONITORING WELL LOCATION
- SURFACE WATER SAMPLING LOCATION
- POND
- DRAINAGE SWALE
- PCE ISOCONCENTRATION LINE (DASHED WHERE INFERRED)

0 150 Feet

NOTE:

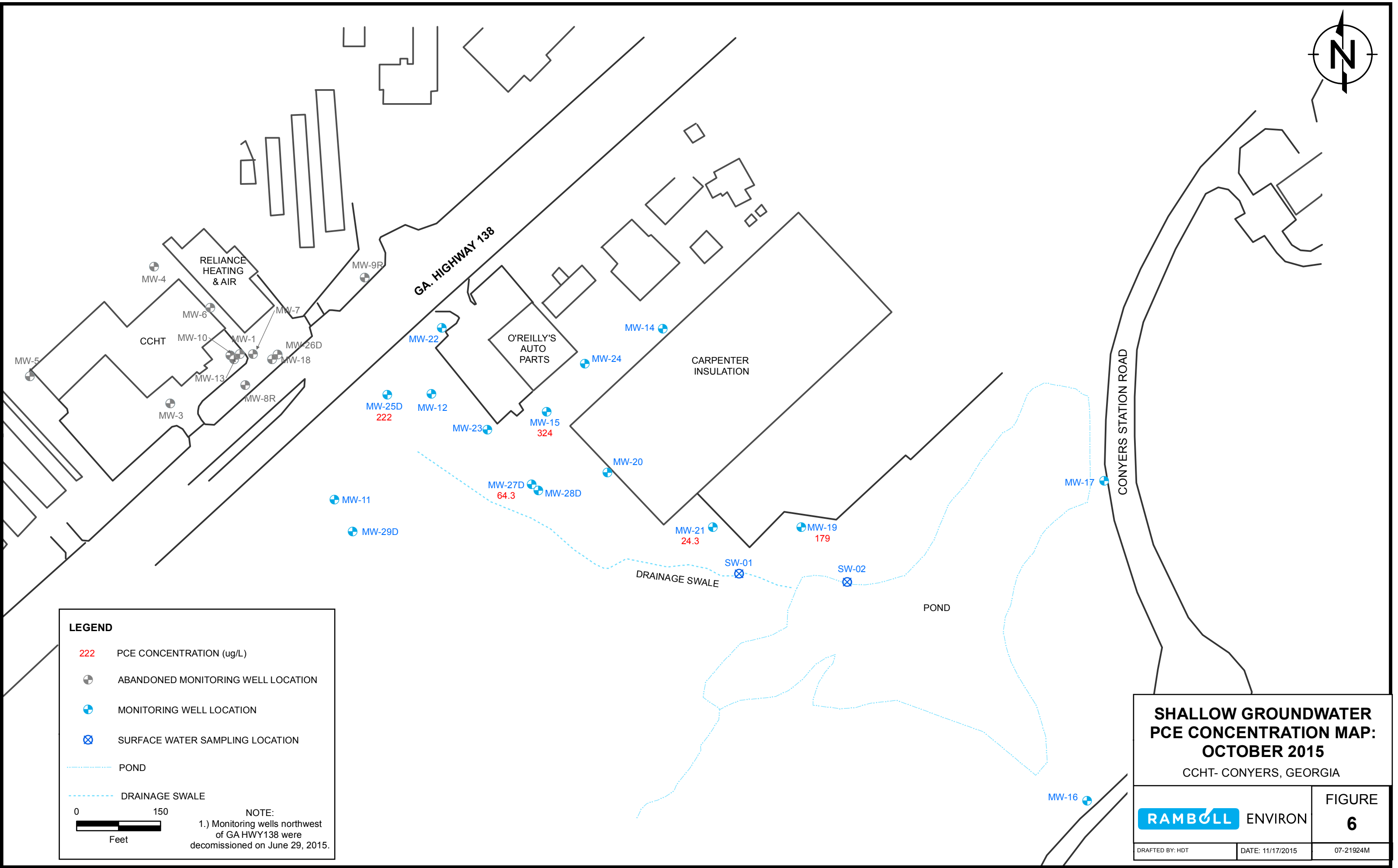
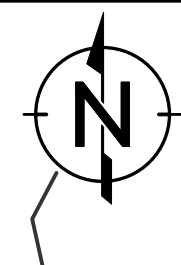
- 1.) All concentrations measured in micrograms per liter (ug/L).
- 2.) *Deep wells not included in contour.

SHALLOW GROUNDWATER PCE ISOCONCENTRAION MAP: OCTOBER 2014
CCHT- CONYERS, GEORGIA

RAMBOLL ENVIRON

DRAFTED BY: HDT DATE: 11/17/2015 07-21924M

FIGURE 5



LEGEND

- 222 PCE CONCENTRATION (ug/L)
- ⊕ ABANDONED MONITORING WELL LOCATION
- ⊕ MONITORING WELL LOCATION
- ⊗ SURFACE WATER SAMPLING LOCATION
- POND
- - - DRAINAGE SWALE

0 150
Feet

NOTE:
1.) Monitoring wells northwest of GA HWY138 were decommissioned on June 29, 2015.

**SHALLOW GROUNDWATER
PCE CONCENTRATION MAP:
OCTOBER 2015**

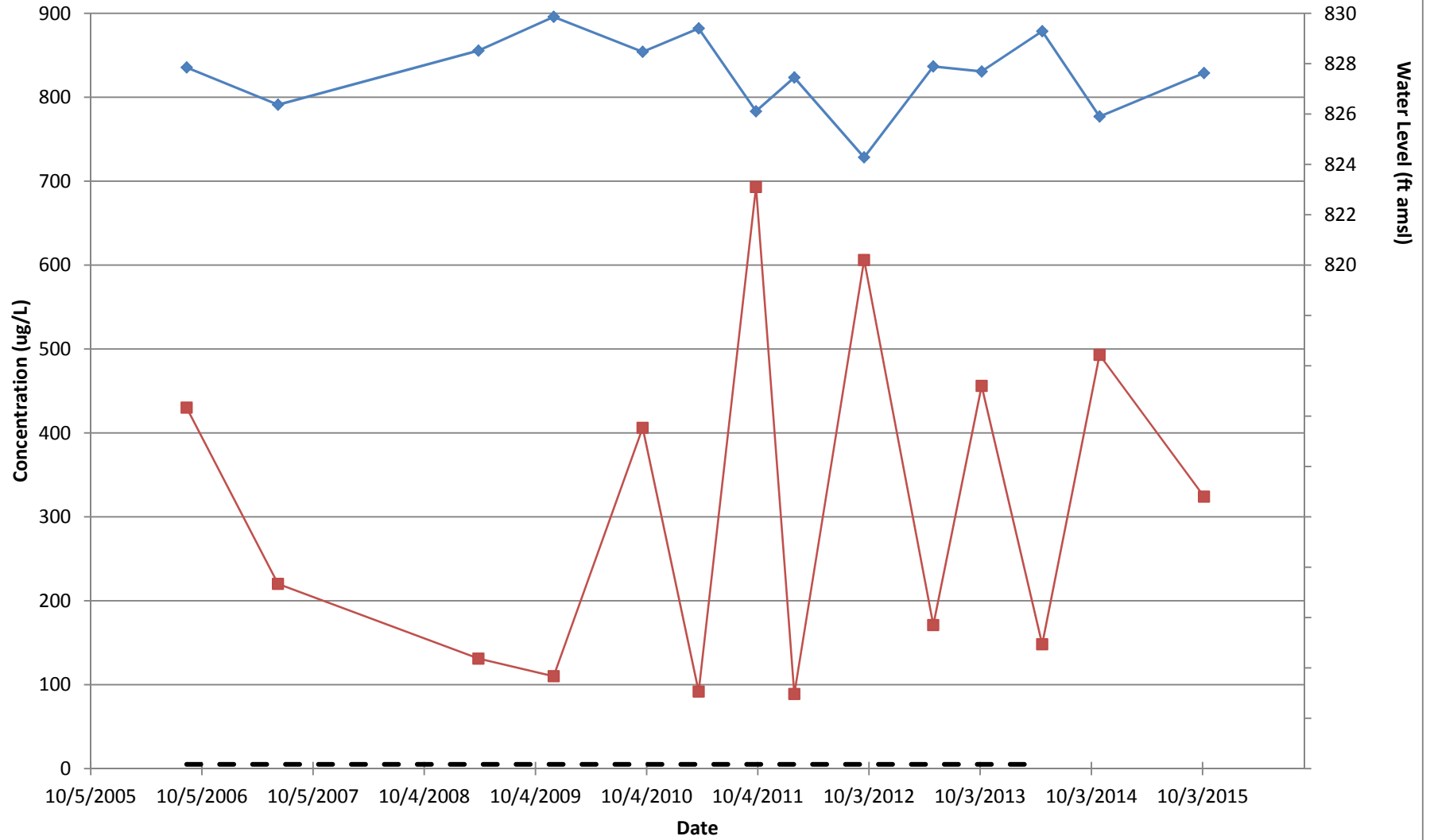
CCHT- CONYERS, GEORGIA

RAMBOLL ENVIRON		FIGURE 6
DRAFTED BY: HDT	DATE: 11/17/2015	
		07-21924M

Appendix A

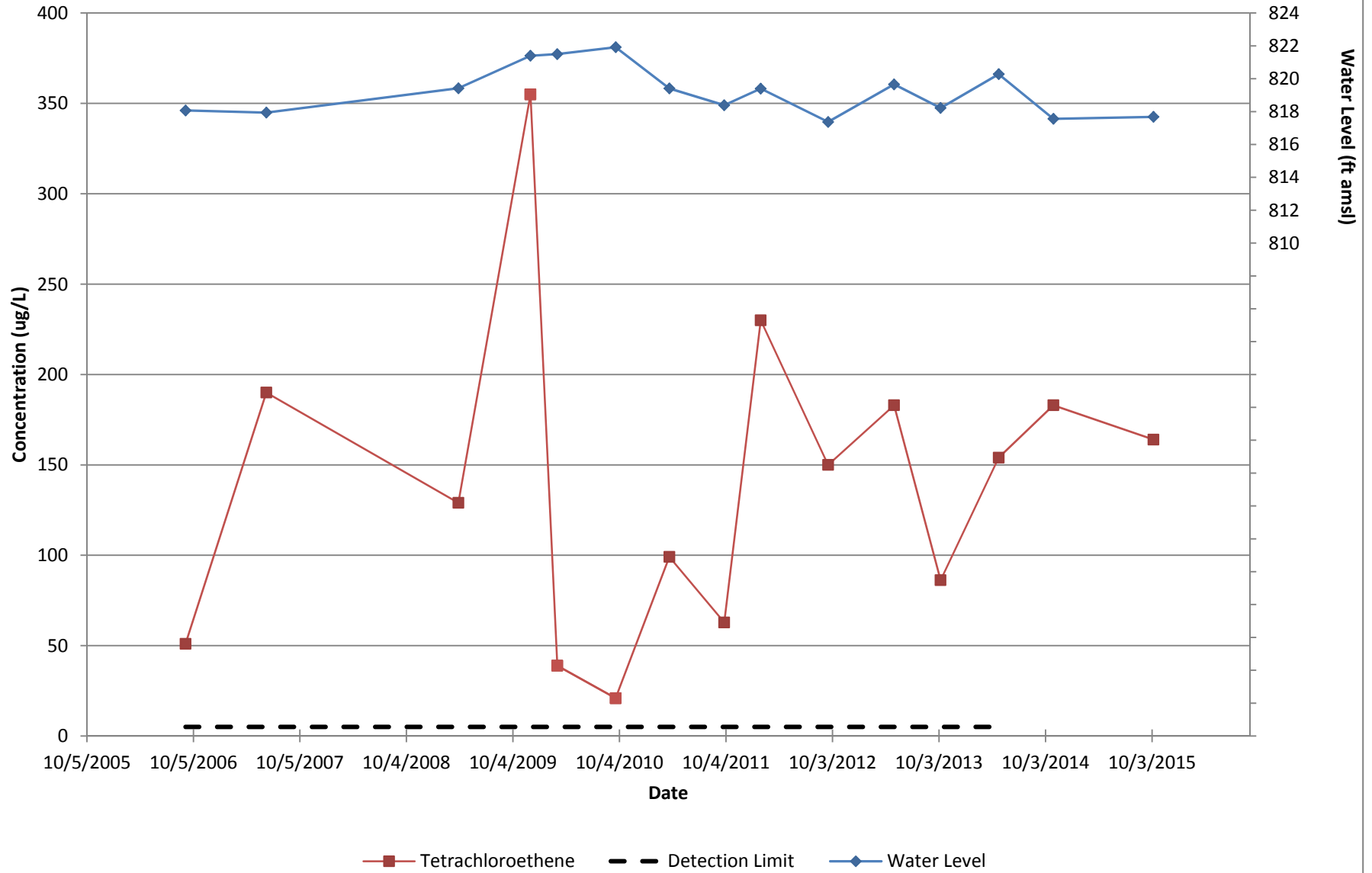
Groundwater Trend Charts

MW-15
CCHT - HSI No. 10341
Conyers, Georgia

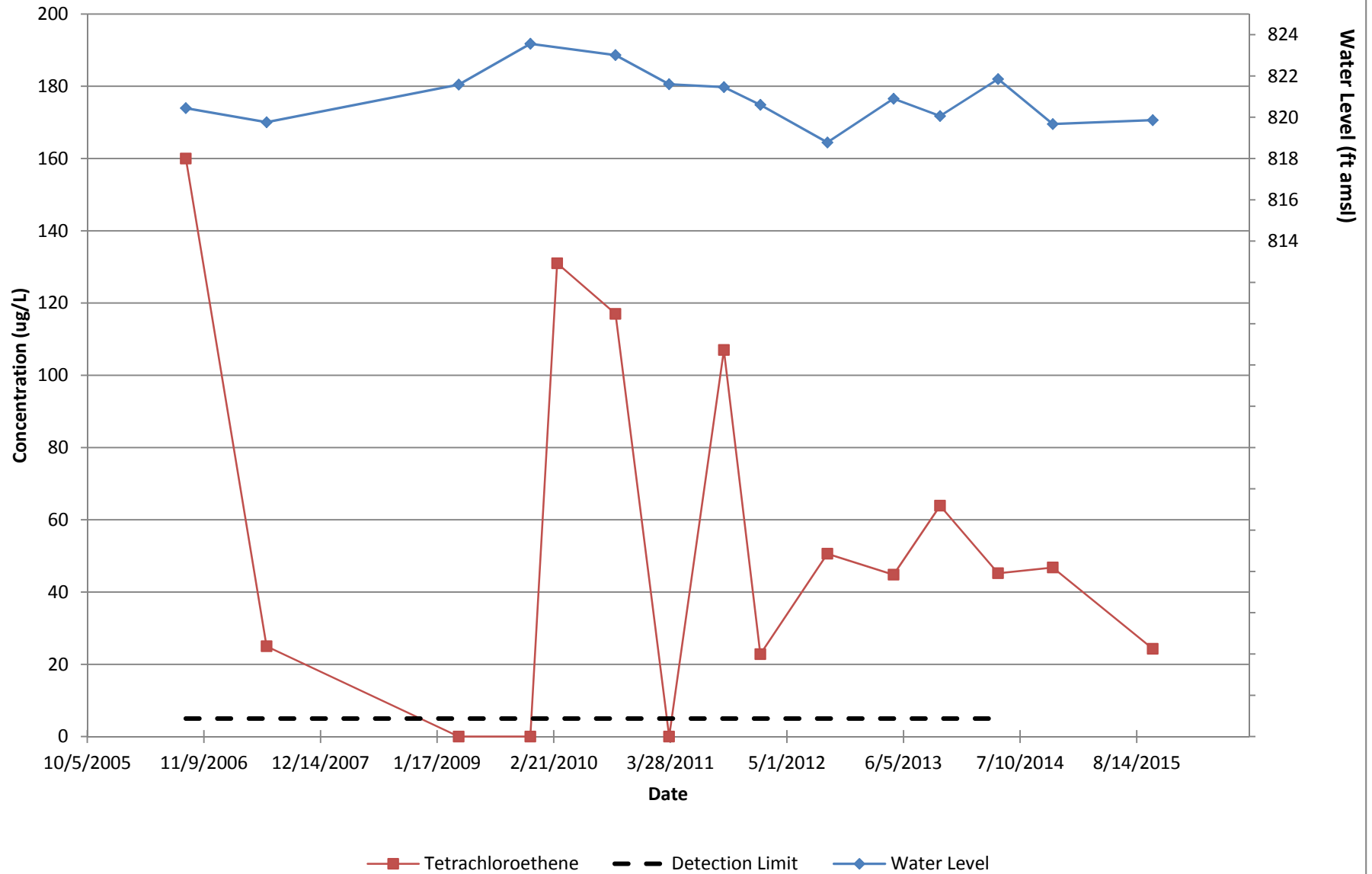


■ Tetrachloroethene - - - Detection Limit ◆ Water Level

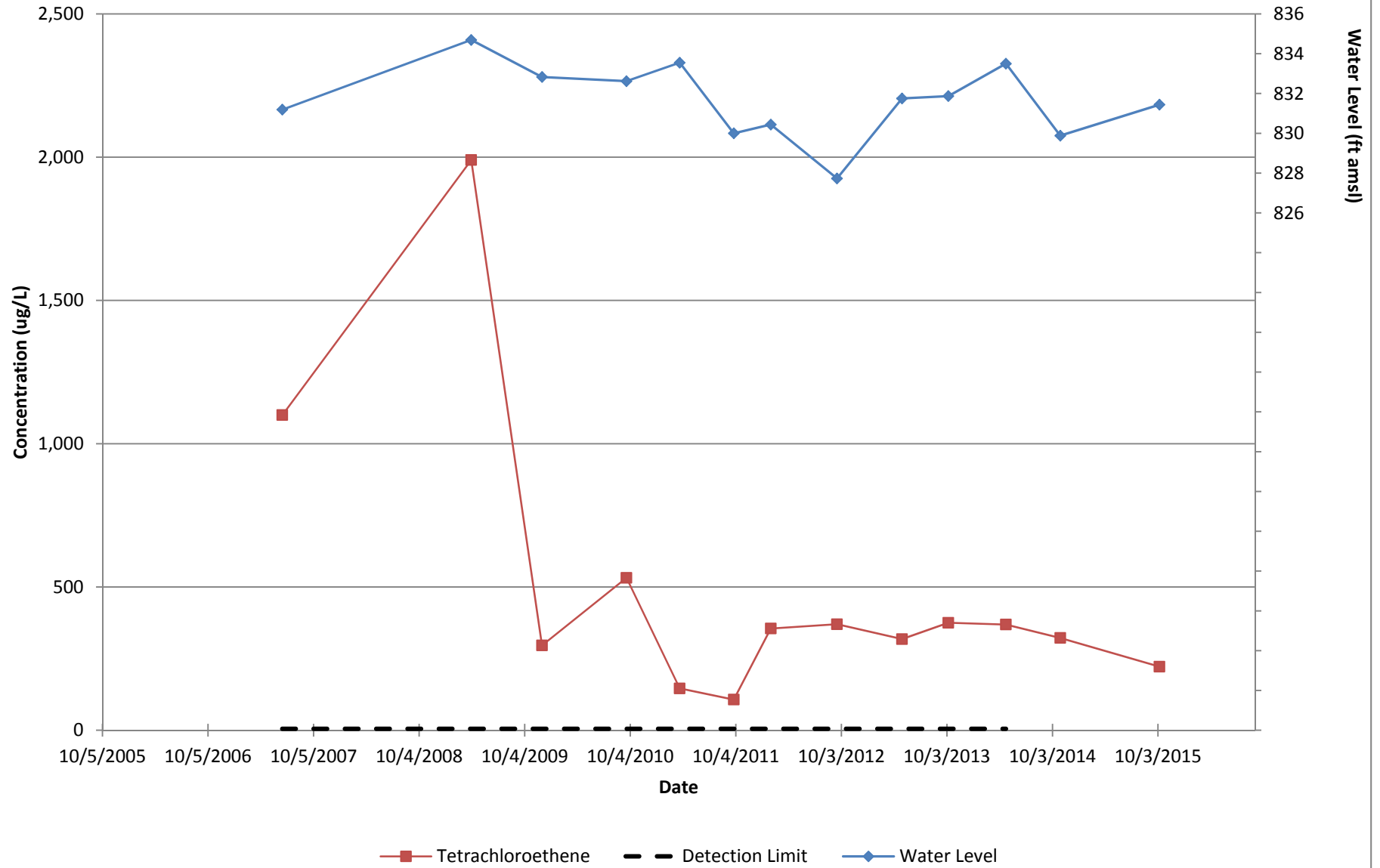
MW-19
CCHT - HSI No. 10341
Conyers, Georgia



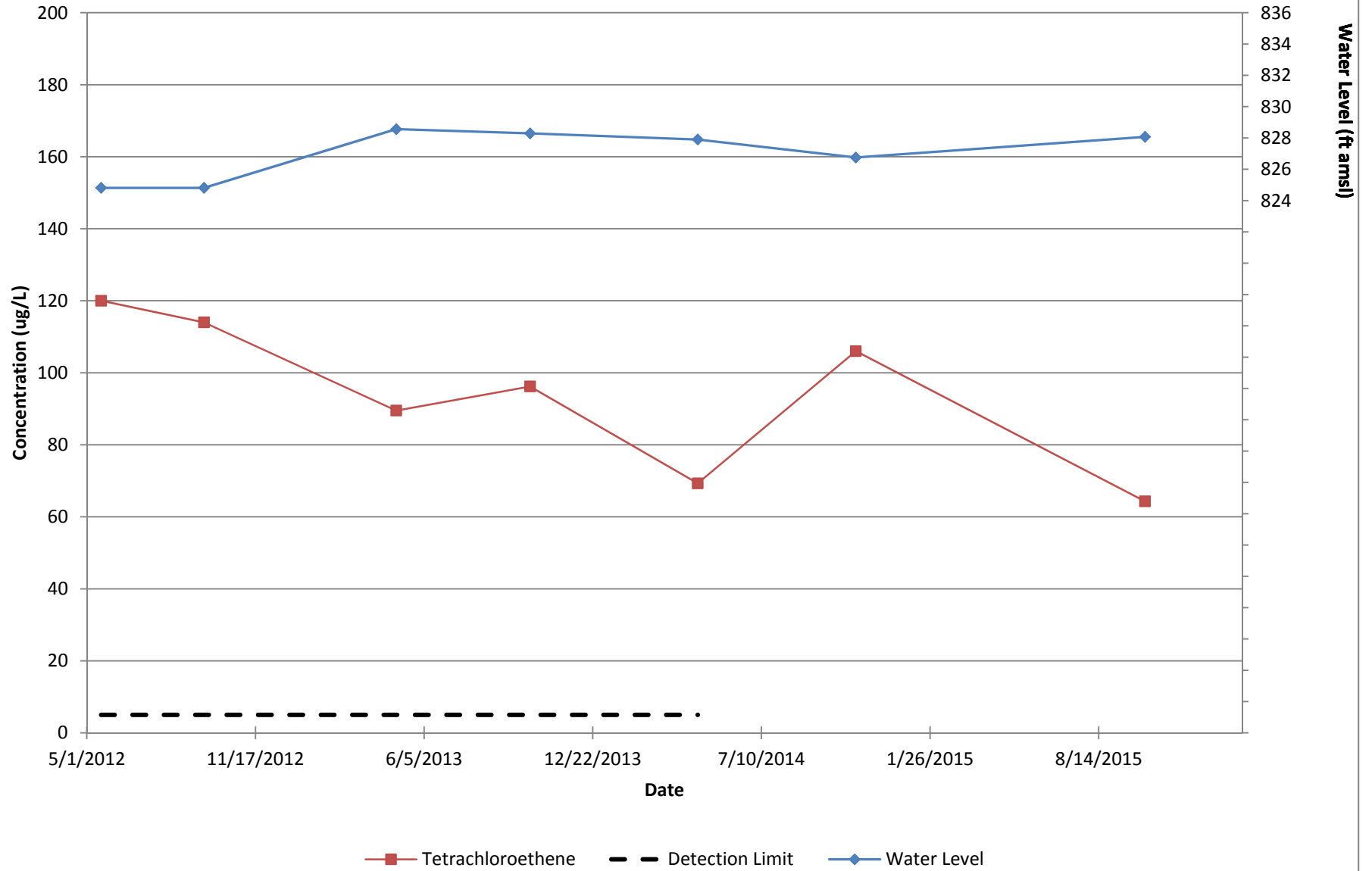
MW-21
CCHT - HSI No. 10341
Conyers, Georgia



MW-25D
CCHT - HSI No. 10341
Conyers, Georgia



MW-27D
CCHT - HSI No. 10341
Conyers, Georgia



Appendix B

Laboratory Reports

ANALYTICAL RESULTS

PERFORMED BY

GCAL, LLC
7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 10/29/2015

GCAL Report 215101220



Project CCHT/07-21924

Deliver To

Rob Patchett
Environ
1600 Parkwood Cr.
Atlanta, GA 30339
678-491-4230



Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations that may be Utilized in this Report

ND	Indicates the result was Not Detected at the specified reporting limit
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
DL	Detection Limit
DL	Diluted analysis – when appended to Client Sample ID
LOD	Limit of Detection
LOQ	Limit of Quantitation
RE	Re-analysis
00:01	Reported as a time equivalent to 12:00 AM

Reporting Flags that may be Utilized in this Report

J or I	Indicates the result is between the MDL and LOQ
J	DOD flag on analyte in the parent sample for MS/MSD outside acceptance criteria
U	Indicates the compound was analyzed for but not detected
B or V	Indicates the analyte was detected in the associated Method Blank
Q	Indicates a non-compliant QC Result (See Q Flag Application Report)
*	Indicates a non-compliant or not applicable QC recovery or RPD – see narrative
E	The result is estimated because it exceeded the instrument calibration range
E	Metals - % difference for the serial dilution is > 10%

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC Institute standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Authorized Signature
GCAL Report 215101220

Case Narrative

Client: ENVIRON International Corp **Report:** 215101220

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

This report was revised 10/29/15. The LOQ for Vinyl chloride was lowered to 2.0 ug/L. This lower limit is supported by a low level standard included in the initial calibration curve and the quarterly LOQ check.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21510122001 (MW-15 20151008), 21510122002 (MW-19 20151008), 21510122004 (MW-25D 20151008) and 21510122006 (DUP-01 20151008) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument or to eliminate interference from non-target background.. The dilution is reflected in elevated detection limits.

Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21510122001	MW-15 20151008	Water	10/08/2015 12:23	10/10/2015 09:56
21510122002	MW-19 20151008	Water	10/08/2015 11:12	10/10/2015 09:56
21510122003	MW-21 20151008	Water	10/08/2015 11:58	10/10/2015 09:56
21510122004	MW-25D 20151008	Water	10/08/2015 13:30	10/10/2015 09:56
21510122005	MW-27D 20151008	Water	10/08/2015 14:36	10/10/2015 09:56
21510122006	DUP-01 20151008	Water	10/08/2015 00:00	10/10/2015 09:56
21510122007	TRIP BLANK 20151008	Water	10/08/2015 00:01	10/10/2015 09:56

Summary of Compounds Detected

MW-15 20151008	Collect Date	10/08/2015 12:23	GCAL ID	21510122001
	Receive Date	10/10/2015 09:56	Matrix	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	324	25.0	ug/L

MW-19 20151008	Collect Date	10/08/2015 11:12	GCAL ID	21510122002
	Receive Date	10/10/2015 09:56	Matrix	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	164	25.0	ug/L

MW-21 20151008	Collect Date	10/08/2015 11:58	GCAL ID	21510122003
	Receive Date	10/10/2015 09:56	Matrix	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	20.8	10.0	ug/L
67-64-1	Acetone	23.5	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8	5.00	ug/L
127-18-4	Tetrachloroethene	24.3	5.00	ug/L
79-01-6	Trichloroethene	10.8	5.00	ug/L

MW-25D 20151008	Collect Date	10/08/2015 13:30	GCAL ID	21510122004
	Receive Date	10/10/2015 09:56	Matrix	Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	222	25.0	ug/L

Summary of Compounds Detected

MW-27D 20151008Collect Date 10/08/2015 14:36
Receive Date 10/10/2015 09:56GCAL ID 21510122005
Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	25.1	5.00	ug/L
127-18-4	Tetrachloroethene	64.3	5.00	ug/L

DUP-01 20151008Collect Date 10/08/2015 00:00
Receive Date 10/10/2015 09:56GCAL ID 21510122006
Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	179	25.0	ug/L

Sample Results

MW-15 20151008
Collect Date 10/08/2015 12:23

GCAL ID 21510122001

Receive Date 10/10/2015 09:56

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 00:11	JCK	570338

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<25.0U	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	<25.0U	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<25.0U	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	<25.0U	25.0	ug/L
75-34-3	1,1-Dichloroethane	<25.0U	25.0	ug/L
75-35-4	1,1-Dichloroethene	<25.0U	25.0	ug/L
563-58-6	1,1-Dichloropropene	<25.0U	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	<25.0U	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	<25.0U	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	<25.0U	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<25.0U	25.0	ug/L
106-93-4	1,2-Dibromoethane	<25.0U	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	<25.0U	25.0	ug/L
107-06-2	1,2-Dichloroethane	<25.0U	25.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	<50.0U	50.0	ug/L
78-87-5	1,2-Dichloropropane	<25.0U	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	<25.0U	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	<25.0U	25.0	ug/L
142-28-9	1,3-Dichloropropane	<25.0U	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	<25.0U	25.0	ug/L
594-20-7	2,2-Dichloropropane	<25.0U	25.0	ug/L
78-93-3	2-Butanone	<25.0U	25.0	ug/L
95-49-8	2-Chlorotoluene	<25.0U	25.0	ug/L
591-78-6	2-Hexanone	<25.0U	25.0	ug/L
106-43-4	4-Chlorotoluene	<25.0U	25.0	ug/L
99-87-6	4-Isopropyltoluene	<25.0U	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	<25.0U	25.0	ug/L
67-64-1	Acetone	<25.0U	25.0	ug/L
71-43-2	Benzene	<25.0U	25.0	ug/L
108-86-1	Bromobenzene	<25.0U	25.0	ug/L
74-97-5	Bromochloromethane	<25.0U	25.0	ug/L
75-27-4	Bromodichloromethane	<25.0U	25.0	ug/L
75-25-2	Bromoform	<25.0U	25.0	ug/L
74-83-9	Bromomethane	<25.0U	25.0	ug/L
75-15-0	Carbon disulfide	<25.0U	25.0	ug/L
56-23-5	Carbon tetrachloride	<25.0U	25.0	ug/L
108-90-7	Chlorobenzene	<25.0U	25.0	ug/L
75-00-3	Chloroethane	<25.0U	25.0	ug/L
67-66-3	Chloroform	<25.0U	25.0	ug/L
74-87-3	Chloromethane	<25.0U	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	<25.0U	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	<25.0U	25.0	ug/L
124-48-1	Dibromochloromethane	<25.0U	25.0	ug/L
74-95-3	Dibromomethane	<25.0U	25.0	ug/L
75-71-8	Dichlorodifluoromethane	<25.0U	25.0	ug/L
100-41-4	Ethylbenzene	<25.0U	25.0	ug/L
87-68-3	Hexachlorobutadiene	<25.0U	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	<25.0U	25.0	ug/L

Sample Results

MW-15 20151008

Collect Date 10/08/2015 12:23
Receive Date 10/10/2015 09:56

GCAL ID 21510122001
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 00:11	JCK	570338

CAS#	Parameter	Result	LOQ	Units
136777-61-2	m,p-Xylene	<50.0U	50.0	ug/L
74-88-4	Methyl iodide	<25.0U	25.0	ug/L
75-09-2	Methylene chloride	<25.0U	25.0	ug/L
91-20-3	Naphthalene	<25.0U	25.0	ug/L
104-51-8	n-Butylbenzene	<25.0U	25.0	ug/L
103-65-1	n-Propylbenzene	<25.0U	25.0	ug/L
95-47-6	o-Xylene	<25.0U	25.0	ug/L
135-98-8	sec-Butylbenzene	<25.0U	25.0	ug/L
100-42-5	Styrene	<25.0U	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<25.0U	25.0	ug/L
98-06-6	tert-Butylbenzene	<25.0U	25.0	ug/L
127-18-4	Tetrachloroethene	324	25.0	ug/L
108-88-3	Toluene	<25.0U	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	<25.0U	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	<25.0U	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<25.0U	25.0	ug/L
79-01-6	Trichloroethene	<25.0U	25.0	ug/L
75-69-4	Trichlorofluoromethane	<25.0U	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	<25.0U	25.0	ug/L
108-05-4	Vinyl acetate	<25.0U	25.0	ug/L
75-01-4	Vinyl chloride	<10.0U	10.0	ug/L
1330-20-7	Xylene (total)	<75.0U	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	211	ug/L	84	78 - 130
1868-53-7	Dibromofluoromethane	250	246	ug/L	98	77 - 127
2037-26-5	Toluene d8	250	265	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	279	ug/L	112	71 - 127

MW-19 20151008

Collect Date 10/08/2015 11:12
Receive Date 10/10/2015 09:56

GCAL ID 21510122002
Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 00:37	JCK	570338

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<25.0U	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	<25.0U	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<25.0U	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	<25.0U	25.0	ug/L
75-34-3	1,1-Dichloroethane	<25.0U	25.0	ug/L

Sample Results

MW-19 20151008
Collect Date 10/08/2015 11:12
Receive Date 10/10/2015 09:56

GCAL ID 21510122002
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 00:37	JCK	570338

CAS#	Parameter	Result	LOQ	Units
75-35-4	1,1-Dichloroethene	<25.0U	25.0	ug/L
563-58-6	1,1-Dichloropropene	<25.0U	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	<25.0U	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	<25.0U	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	<25.0U	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<25.0U	25.0	ug/L
106-93-4	1,2-Dibromoethane	<25.0U	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	<25.0U	25.0	ug/L
107-06-2	1,2-Dichloroethane	<25.0U	25.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	<50.0U	50.0	ug/L
78-87-5	1,2-Dichloropropane	<25.0U	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	<25.0U	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	<25.0U	25.0	ug/L
142-28-9	1,3-Dichloropropane	<25.0U	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	<25.0U	25.0	ug/L
594-20-7	2,2-Dichloropropane	<25.0U	25.0	ug/L
78-93-3	2-Butanone	<25.0U	25.0	ug/L
95-49-8	2-Chlorotoluene	<25.0U	25.0	ug/L
591-78-6	2-Hexanone	<25.0U	25.0	ug/L
106-43-4	4-Chlorotoluene	<25.0U	25.0	ug/L
99-87-6	4-Isopropyltoluene	<25.0U	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	<25.0U	25.0	ug/L
67-64-1	Acetone	<25.0U	25.0	ug/L
71-43-2	Benzene	<25.0U	25.0	ug/L
108-86-1	Bromobenzene	<25.0U	25.0	ug/L
74-97-5	Bromochloromethane	<25.0U	25.0	ug/L
75-27-4	Bromodichloromethane	<25.0U	25.0	ug/L
75-25-2	Bromoform	<25.0U	25.0	ug/L
74-83-9	Bromomethane	<25.0U	25.0	ug/L
75-15-0	Carbon disulfide	<25.0U	25.0	ug/L
56-23-5	Carbon tetrachloride	<25.0U	25.0	ug/L
108-90-7	Chlorobenzene	<25.0U	25.0	ug/L
75-00-3	Chloroethane	<25.0U	25.0	ug/L
67-66-3	Chloroform	<25.0U	25.0	ug/L
74-87-3	Chloromethane	<25.0U	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	<25.0U	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	<25.0U	25.0	ug/L
124-48-1	Dibromochloromethane	<25.0U	25.0	ug/L
74-95-3	Dibromomethane	<25.0U	25.0	ug/L
75-71-8	Dichlorodifluoromethane	<25.0U	25.0	ug/L
100-41-4	Ethylbenzene	<25.0U	25.0	ug/L
87-68-3	Hexachlorobutadiene	<25.0U	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	<25.0U	25.0	ug/L
136777-61-2	m,p-Xylene	<50.0U	50.0	ug/L
74-88-4	Methyl iodide	<25.0U	25.0	ug/L
75-09-2	Methylene chloride	<25.0U	25.0	ug/L
91-20-3	Naphthalene	<25.0U	25.0	ug/L
104-51-8	n-Butylbenzene	<25.0U	25.0	ug/L

Sample Results

MW-19 20151008

Collect Date 10/08/2015 11:12
Receive Date 10/10/2015 09:56

GCAL ID 21510122002
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 00:37	JCK	570338

CAS#	Parameter	Result	LOQ	Units
103-65-1	n-Propylbenzene	<25.0U	25.0	ug/L
95-47-6	o-Xylene	<25.0U	25.0	ug/L
135-98-8	sec-Butylbenzene	<25.0U	25.0	ug/L
100-42-5	Styrene	<25.0U	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<25.0U	25.0	ug/L
98-06-6	tert-Butylbenzene	<25.0U	25.0	ug/L
127-18-4	Tetrachloroethene	164	25.0	ug/L
108-88-3	Toluene	<25.0U	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	<25.0U	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	<25.0U	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<25.0U	25.0	ug/L
79-01-6	Trichloroethene	<25.0U	25.0	ug/L
75-69-4	Trichlorofluoromethane	<25.0U	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	<25.0U	25.0	ug/L
108-05-4	Vinyl acetate	<25.0U	25.0	ug/L
75-01-4	Vinyl chloride	<10.0U	10.0	ug/L
1330-20-7	Xylene (total)	<75.0U	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	220	ug/L	88	78 - 130
1868-53-7	Dibromofluoromethane	250	255	ug/L	102	77 - 127
2037-26-5	Toluene d8	250	231	ug/L	92	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	282	ug/L	113	71 - 127

MW-21 20151008

Collect Date 10/08/2015 11:58
Receive Date 10/10/2015 09:56

GCAL ID 21510122003
Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 01:51	JCK	570338

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00U	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00U	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00U	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00U	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00U	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00U	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00U	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00U	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00U	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00U	5.00	ug/L

Sample Results

MW-21 20151008
Collect Date 10/08/2015 11:58

GCAL ID 21510122003

Receive Date 10/10/2015 09:56

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 01:51	JCK	570338

CAS#	Parameter	Result	LOQ	Units
96-12-8	1,2-Dibromo-3-chloropropane	<5.00U	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00U	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00U	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00U	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	20.8	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00U	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00U	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00U	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00U	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00U	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00U	5.00	ug/L
78-93-3	2-Butanone	<5.00U	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00U	5.00	ug/L
591-78-6	2-Hexanone	<5.00U	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00U	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00U	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00U	5.00	ug/L
67-64-1	Acetone	23.5	5.00	ug/L
71-43-2	Benzene	<5.00U	5.00	ug/L
108-86-1	Bromobenzene	<5.00U	5.00	ug/L
74-97-5	Bromochloromethane	<5.00U	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00U	5.00	ug/L
75-25-2	Bromoform	<5.00U	5.00	ug/L
74-83-9	Bromomethane	<5.00U	5.00	ug/L
75-15-0	Carbon disulfide	<5.00U	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00U	5.00	ug/L
108-90-7	Chlorobenzene	<5.00U	5.00	ug/L
75-00-3	Chloroethane	<5.00U	5.00	ug/L
67-66-3	Chloroform	<5.00U	5.00	ug/L
74-87-3	Chloromethane	<5.00U	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.8	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00U	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00U	5.00	ug/L
74-95-3	Dibromomethane	<5.00U	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00U	5.00	ug/L
100-41-4	Ethylbenzene	<5.00U	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00U	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00U	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0U	10.0	ug/L
74-88-4	Methyl iodide	<5.00U	5.00	ug/L
75-09-2	Methylene chloride	<5.00U	5.00	ug/L
91-20-3	Naphthalene	<5.00U	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00U	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00U	5.00	ug/L
95-47-6	o-Xylene	<5.00U	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00U	5.00	ug/L
100-42-5	Styrene	<5.00U	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00U	5.00	ug/L

Sample Results

MW-21 20151008
Collect Date 10/08/2015 11:58
Receive Date 10/10/2015 09:56

GCAL ID 21510122003
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 01:51	JCK	570338

CAS#	Parameter	Result	LOQ	Units
98-06-6	tert-Butylbenzene	<5.00U	5.00	ug/L
127-18-4	Tetrachloroethene	24.3	5.00	ug/L
108-88-3	Toluene	<5.00U	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00U	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00U	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00U	5.00	ug/L
79-01-6	Trichloroethene	10.8	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00U	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00U	5.00	ug/L
108-05-4	Vinyl acetate	<5.00U	5.00	ug/L
75-01-4	Vinyl chloride	<2.00U	2.00	ug/L
1330-20-7	Xylene (total)	<15.0U	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	41.9	ug/L	84	78 - 130
1868-53-7	Dibromofluoromethane	50	50.5	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	48.5	ug/L	97	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	56.3	ug/L	113	71 - 127

MW-25D 20151008
Collect Date 10/08/2015 13:30
Receive Date 10/10/2015 09:56

GCAL ID 21510122004
Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 01:02	JCK	570338

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<25.0U	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	<25.0U	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<25.0U	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	<25.0U	25.0	ug/L
75-34-3	1,1-Dichloroethane	<25.0U	25.0	ug/L
75-35-4	1,1-Dichloroethene	<25.0U	25.0	ug/L
563-58-6	1,1-Dichloropropene	<25.0U	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	<25.0U	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	<25.0U	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	<25.0U	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<25.0U	25.0	ug/L
106-93-4	1,2-Dibromoethane	<25.0U	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	<25.0U	25.0	ug/L
107-06-2	1,2-Dichloroethane	<25.0U	25.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	<50.0U	50.0	ug/L

Sample Results

MW-25D 20151008

Collect Date 10/08/2015 13:30
Receive Date 10/10/2015 09:56

GCAL ID 21510122004
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 01:02	JCK	570338

CAS#	Parameter	Result	LOQ	Units
78-87-5	1,2-Dichloropropane	<25.0U	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	<25.0U	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	<25.0U	25.0	ug/L
142-28-9	1,3-Dichloropropane	<25.0U	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	<25.0U	25.0	ug/L
594-20-7	2,2-Dichloropropane	<25.0U	25.0	ug/L
78-93-3	2-Butanone	<25.0U	25.0	ug/L
95-49-8	2-Chlorotoluene	<25.0U	25.0	ug/L
591-78-6	2-Hexanone	<25.0U	25.0	ug/L
106-43-4	4-Chlorotoluene	<25.0U	25.0	ug/L
99-87-6	4-Isopropyltoluene	<25.0U	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	<25.0U	25.0	ug/L
67-64-1	Acetone	<25.0U	25.0	ug/L
71-43-2	Benzene	<25.0U	25.0	ug/L
108-86-1	Bromobenzene	<25.0U	25.0	ug/L
74-97-5	Bromochloromethane	<25.0U	25.0	ug/L
75-27-4	Bromodichloromethane	<25.0U	25.0	ug/L
75-25-2	Bromoform	<25.0U	25.0	ug/L
74-83-9	Bromomethane	<25.0U	25.0	ug/L
75-15-0	Carbon disulfide	<25.0U	25.0	ug/L
56-23-5	Carbon tetrachloride	<25.0U	25.0	ug/L
108-90-7	Chlorobenzene	<25.0U	25.0	ug/L
75-00-3	Chloroethane	<25.0U	25.0	ug/L
67-66-3	Chloroform	<25.0U	25.0	ug/L
74-87-3	Chloromethane	<25.0U	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	<25.0U	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	<25.0U	25.0	ug/L
124-48-1	Dibromochloromethane	<25.0U	25.0	ug/L
74-95-3	Dibromomethane	<25.0U	25.0	ug/L
75-71-8	Dichlorodifluoromethane	<25.0U	25.0	ug/L
100-41-4	Ethylbenzene	<25.0U	25.0	ug/L
87-68-3	Hexachlorobutadiene	<25.0U	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	<25.0U	25.0	ug/L
136777-61-2	m,p-Xylene	<50.0U	50.0	ug/L
74-88-4	Methyl iodide	<25.0U	25.0	ug/L
75-09-2	Methylene chloride	<25.0U	25.0	ug/L
91-20-3	Naphthalene	<25.0U	25.0	ug/L
104-51-8	n-Butylbenzene	<25.0U	25.0	ug/L
103-65-1	n-Propylbenzene	<25.0U	25.0	ug/L
95-47-6	o-Xylene	<25.0U	25.0	ug/L
135-98-8	sec-Butylbenzene	<25.0U	25.0	ug/L
100-42-5	Styrene	<25.0U	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<25.0U	25.0	ug/L
98-06-6	tert-Butylbenzene	<25.0U	25.0	ug/L
127-18-4	Tetrachloroethene	222	25.0	ug/L
108-88-3	Toluene	<25.0U	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	<25.0U	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	<25.0U	25.0	ug/L

Sample Results

MW-25D 20151008

Collect Date 10/08/2015 13:30
Receive Date 10/10/2015 09:56

GCAL ID 21510122004
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 01:02	JCK	570338

CAS#	Parameter	Result	LOQ	Units
110-57-6	trans-1,4-Dichloro-2-butene	<25.0U	25.0	ug/L
79-01-6	Trichloroethene	<25.0U	25.0	ug/L
75-69-4	Trichlorofluoromethane	<25.0U	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	<25.0U	25.0	ug/L
108-05-4	Vinyl acetate	<25.0U	25.0	ug/L
75-01-4	Vinyl chloride	<10.0U	10.0	ug/L
1330-20-7	Xylene (total)	<75.0U	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	216	ug/L	86	78 - 130
1868-53-7	Dibromofluoromethane	250	247	ug/L	99	77 - 127
2037-26-5	Toluene d8	250	230	ug/L	92	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	277	ug/L	111	71 - 127

MW-27D 20151008

Collect Date 10/08/2015 14:36
Receive Date 10/10/2015 09:56

GCAL ID 21510122005
Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 02:13	JCK	570338

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00U	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00U	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00U	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00U	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00U	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00U	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00U	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00U	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00U	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00U	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00U	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00U	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00U	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00U	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0U	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00U	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00U	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00U	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00U	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00U	5.00	ug/L

Sample Results

MW-27D 20151008
Collect Date 10/08/2015 14:36

GCAL ID 21510122005

Receive Date 10/10/2015 09:56

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 02:13	JCK	570338

CAS#	Parameter	Result	LOQ	Units
594-20-7	2,2-Dichloropropane	<5.00U	5.00	ug/L
78-93-3	2-Butanone	<5.00U	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00U	5.00	ug/L
591-78-6	2-Hexanone	<5.00U	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00U	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00U	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00U	5.00	ug/L
67-64-1	Acetone	25.1	5.00	ug/L
71-43-2	Benzene	<5.00U	5.00	ug/L
108-86-1	Bromobenzene	<5.00U	5.00	ug/L
74-97-5	Bromochloromethane	<5.00U	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00U	5.00	ug/L
75-25-2	Bromoform	<5.00U	5.00	ug/L
74-83-9	Bromomethane	<5.00U	5.00	ug/L
75-15-0	Carbon disulfide	<5.00U	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00U	5.00	ug/L
108-90-7	Chlorobenzene	<5.00U	5.00	ug/L
75-00-3	Chloroethane	<5.00U	5.00	ug/L
67-66-3	Chloroform	<5.00U	5.00	ug/L
74-87-3	Chloromethane	<5.00U	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00U	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00U	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00U	5.00	ug/L
74-95-3	Dibromomethane	<5.00U	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00U	5.00	ug/L
100-41-4	Ethylbenzene	<5.00U	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00U	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00U	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0U	10.0	ug/L
74-88-4	Methyl iodide	<5.00U	5.00	ug/L
75-09-2	Methylene chloride	<5.00U	5.00	ug/L
91-20-3	Naphthalene	<5.00U	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00U	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00U	5.00	ug/L
95-47-6	o-Xylene	<5.00U	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00U	5.00	ug/L
100-42-5	Styrene	<5.00U	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00U	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00U	5.00	ug/L
127-18-4	Tetrachloroethene	64.3	5.00	ug/L
108-88-3	Toluene	<5.00U	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00U	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00U	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00U	5.00	ug/L
79-01-6	Trichloroethene	<5.00U	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00U	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00U	5.00	ug/L
108-05-4	Vinyl acetate	<5.00U	5.00	ug/L

Sample Results

MW-27D 20151008

Collect Date 10/08/2015 14:36
Receive Date 10/10/2015 09:56

GCAL ID 21510122005
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 02:13	JCK	570338

CAS#	Parameter	Result	LOQ	Units
75-01-4	Vinyl chloride	<2.00U	2.00	ug/L
1330-20-7	Xylene (total)	<15.0U	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	43.3	ug/L	87	78 - 130
1868-53-7	Dibromofluoromethane	50	50.1	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	43.4	ug/L	87	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	55.5	ug/L	111	71 - 127

DUP-01 20151008

Collect Date 10/08/2015 00:00
Receive Date 10/10/2015 09:56

GCAL ID 21510122006
Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 01:28	JCK	570338

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<25.0U	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	<25.0U	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<25.0U	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	<25.0U	25.0	ug/L
75-34-3	1,1-Dichloroethane	<25.0U	25.0	ug/L
75-35-4	1,1-Dichloroethene	<25.0U	25.0	ug/L
563-58-6	1,1-Dichloropropene	<25.0U	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	<25.0U	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	<25.0U	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	<25.0U	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<25.0U	25.0	ug/L
106-93-4	1,2-Dibromoethane	<25.0U	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	<25.0U	25.0	ug/L
107-06-2	1,2-Dichloroethane	<25.0U	25.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	<50.0U	50.0	ug/L
78-87-5	1,2-Dichloropropane	<25.0U	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	<25.0U	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	<25.0U	25.0	ug/L
142-28-9	1,3-Dichloropropane	<25.0U	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	<25.0U	25.0	ug/L
594-20-7	2,2-Dichloropropane	<25.0U	25.0	ug/L
78-93-3	2-Butanone	<25.0U	25.0	ug/L
95-49-8	2-Chlorotoluene	<25.0U	25.0	ug/L
591-78-6	2-Hexanone	<25.0U	25.0	ug/L
106-43-4	4-Chlorotoluene	<25.0U	25.0	ug/L

Sample Results

DUP-01 20151008

Collect Date 10/08/2015 00:00
Receive Date 10/10/2015 09:56

GCAL ID 21510122006
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 01:28	JCK	570338

CAS#	Parameter	Result	LOQ	Units
99-87-6	4-Isopropyltoluene	<25.0U	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	<25.0U	25.0	ug/L
67-64-1	Acetone	<25.0U	25.0	ug/L
71-43-2	Benzene	<25.0U	25.0	ug/L
108-86-1	Bromobenzene	<25.0U	25.0	ug/L
74-97-5	Bromochloromethane	<25.0U	25.0	ug/L
75-27-4	Bromodichloromethane	<25.0U	25.0	ug/L
75-25-2	Bromoform	<25.0U	25.0	ug/L
74-83-9	Bromomethane	<25.0U	25.0	ug/L
75-15-0	Carbon disulfide	<25.0U	25.0	ug/L
56-23-5	Carbon tetrachloride	<25.0U	25.0	ug/L
108-90-7	Chlorobenzene	<25.0U	25.0	ug/L
75-00-3	Chloroethane	<25.0U	25.0	ug/L
67-66-3	Chloroform	<25.0U	25.0	ug/L
74-87-3	Chloromethane	<25.0U	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	<25.0U	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	<25.0U	25.0	ug/L
124-48-1	Dibromochloromethane	<25.0U	25.0	ug/L
74-95-3	Dibromomethane	<25.0U	25.0	ug/L
75-71-8	Dichlorodifluoromethane	<25.0U	25.0	ug/L
100-41-4	Ethylbenzene	<25.0U	25.0	ug/L
87-68-3	Hexachlorobutadiene	<25.0U	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	<25.0U	25.0	ug/L
136777-61-2	m,p-Xylene	<50.0U	50.0	ug/L
74-88-4	Methyl iodide	<25.0U	25.0	ug/L
75-09-2	Methylene chloride	<25.0U	25.0	ug/L
91-20-3	Naphthalene	<25.0U	25.0	ug/L
104-51-8	n-Butylbenzene	<25.0U	25.0	ug/L
103-65-1	n-Propylbenzene	<25.0U	25.0	ug/L
95-47-6	o-Xylene	<25.0U	25.0	ug/L
135-98-8	sec-Butylbenzene	<25.0U	25.0	ug/L
100-42-5	Styrene	<25.0U	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<25.0U	25.0	ug/L
98-06-6	tert-Butylbenzene	<25.0U	25.0	ug/L
127-18-4	Tetrachloroethene	179	25.0	ug/L
108-88-3	Toluene	<25.0U	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	<25.0U	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	<25.0U	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<25.0U	25.0	ug/L
79-01-6	Trichloroethene	<25.0U	25.0	ug/L
75-69-4	Trichlorofluoromethane	<25.0U	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	<25.0U	25.0	ug/L
108-05-4	Vinyl acetate	<25.0U	25.0	ug/L
75-01-4	Vinyl chloride	<10.0U	10.0	ug/L

Sample Results

DUP-01 20151008

Collect Date 10/08/2015 00:00
Receive Date 10/10/2015 09:56

GCAL ID 21510122006
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	10/17/2015 01:28	JCK	570338
CAS#	Parameter	Result	LOQ	Units		
1330-20-7	Xylene (total)	<75.0U	75.0	ug/L		
CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	212	ug/L	85	78 - 130
1868-53-7	Dibromofluoromethane	250	250	ug/L	100	77 - 127
2037-26-5	Toluene d8	250	249	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	286	ug/L	114	71 - 127

TRIP BLANK 20151008

Collect Date 10/08/2015 00:01
Receive Date 10/10/2015 09:56

GCAL ID 21510122007
Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 02:36	JCK	570338
CAS#	Parameter	Result	LOQ	Units		
630-20-6	1,1,1,2-Tetrachloroethane	<5.00U	5.00	ug/L		
71-55-6	1,1,1-Trichloroethane	<5.00U	5.00	ug/L		
79-34-5	1,1,2,2-Tetrachloroethane	<5.00U	5.00	ug/L		
79-00-5	1,1,2-Trichloroethane	<5.00U	5.00	ug/L		
75-34-3	1,1-Dichloroethane	<5.00U	5.00	ug/L		
75-35-4	1,1-Dichloroethene	<5.00U	5.00	ug/L		
563-58-6	1,1-Dichloropropene	<5.00U	5.00	ug/L		
96-18-4	1,2,3-Trichloropropane	<5.00U	5.00	ug/L		
120-82-1	1,2,4-Trichlorobenzene	<5.00U	5.00	ug/L		
95-63-6	1,2,4-Trimethylbenzene	<5.00U	5.00	ug/L		
96-12-8	1,2-Dibromo-3-chloropropane	<5.00U	5.00	ug/L		
106-93-4	1,2-Dibromoethane	<5.00U	5.00	ug/L		
95-50-1	1,2-Dichlorobenzene	<5.00U	5.00	ug/L		
107-06-2	1,2-Dichloroethane	<5.00U	5.00	ug/L		
540-59-0	1,2-Dichloroethene(Total)	<10.0U	10.0	ug/L		
78-87-5	1,2-Dichloropropane	<5.00U	5.00	ug/L		
108-67-8	1,3,5-Trimethylbenzene	<5.00U	5.00	ug/L		
541-73-1	1,3-Dichlorobenzene	<5.00U	5.00	ug/L		
142-28-9	1,3-Dichloropropane	<5.00U	5.00	ug/L		
106-46-7	1,4-Dichlorobenzene	<5.00U	5.00	ug/L		
594-20-7	2,2-Dichloropropane	<5.00U	5.00	ug/L		
78-93-3	2-Butanone	<5.00U	5.00	ug/L		
95-49-8	2-Chlorotoluene	<5.00U	5.00	ug/L		
591-78-6	2-Hexanone	<5.00U	5.00	ug/L		
106-43-4	4-Chlorotoluene	<5.00U	5.00	ug/L		
99-87-6	4-Isopropyltoluene	<5.00U	5.00	ug/L		

Sample Results

TRIP BLANK 20151008
Collect Date 10/08/2015 00:01
Receive Date 10/10/2015 09:56

GCAL ID 21510122007
Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 02:36	JCK	570338

CAS#	Parameter	Result	LOQ	Units
108-10-1	4-Methyl-2-pentanone	<5.00U	5.00	ug/L
67-64-1	Acetone	<5.00U	5.00	ug/L
71-43-2	Benzene	<5.00U	5.00	ug/L
108-86-1	Bromobenzene	<5.00U	5.00	ug/L
74-97-5	Bromochloromethane	<5.00U	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00U	5.00	ug/L
75-25-2	Bromoform	<5.00U	5.00	ug/L
74-83-9	Bromomethane	<5.00U	5.00	ug/L
75-15-0	Carbon disulfide	<5.00U	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00U	5.00	ug/L
108-90-7	Chlorobenzene	<5.00U	5.00	ug/L
75-00-3	Chloroethane	<5.00U	5.00	ug/L
67-66-3	Chloroform	<5.00U	5.00	ug/L
74-87-3	Chloromethane	<5.00U	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00U	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00U	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00U	5.00	ug/L
74-95-3	Dibromomethane	<5.00U	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00U	5.00	ug/L
100-41-4	Ethylbenzene	<5.00U	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00U	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00U	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0U	10.0	ug/L
74-88-4	Methyl iodide	<5.00U	5.00	ug/L
75-09-2	Methylene chloride	<5.00U	5.00	ug/L
91-20-3	Naphthalene	<5.00U	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00U	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00U	5.00	ug/L
95-47-6	o-Xylene	<5.00U	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00U	5.00	ug/L
100-42-5	Styrene	<5.00U	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00U	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00U	5.00	ug/L
127-18-4	Tetrachloroethene	<5.00U	5.00	ug/L
108-88-3	Toluene	<5.00U	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00U	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00U	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00U	5.00	ug/L
79-01-6	Trichloroethene	<5.00U	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00U	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00U	5.00	ug/L
108-05-4	Vinyl acetate	<5.00U	5.00	ug/L
75-01-4	Vinyl chloride	<2.00U	2.00	ug/L

Sample Results

TRIP BLANK 20151008**Collect Date** 10/08/2015 00:01
Receive Date 10/10/2015 09:56**GCAL ID** 21510122007
Matrix Water**EPA 8260B (Continued)**

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	10/17/2015 02:36	JCK	570338

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	<15.0U	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	43.3	ug/L	87	78 - 130
1868-53-7	Dibromofluoromethane	50	49.8	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	48.8	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	56.5	ug/L	113	71 - 127

GC/MS Volatiles QC Summary

Analytical Batch 570338		Client ID GCAL ID Sample Type Prep Date Analysis Date Matrix	MB570338 1499582 MB NA 10/16/2015 21:07 Water	LCS570338 1499583 LCS NA 10/16/2015 19:36 Water				LCSD570338 1499584 LCSD NA 10/16/2015 19:59 Water					
EPA 8260B			Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6		<5.00	5.00	50.0	46.8	94	75 - 124	50.0	48.3	97	3	30
1,1,1-Trichloroethane	71-55-6		<5.00	5.00	50.0	53.2	106	76 - 126	50.0	54.3	109	2	30
1,1,2,2-Tetrachloroethane	79-34-5		<5.00	5.00	50.0	51.5	103	70 - 122	50.0	53.3	107	3	30
1,1,2-Trichloroethane	79-00-5		<5.00	5.00	50.0	45.7	91	72 - 121	50.0	51.0	102	11	30
1,1-Dichloroethane	75-34-3		<5.00	5.00	50.0	45.0	90	74 - 127	50.0	41.0	82	9	30
1,1-Dichloroethene	75-35-4		<5.00	5.00	50.0	45.0	90	69 - 129	50.0	42.0	84	7	20
1,1-Dichloropropene	563-58-6		<5.00	5.00	50.0	52.6	105	72 - 131	50.0	51.6	103	2	30
1,2,3-Trichloropropane	96-18-4		<5.00	5.00	50.0	53.1	106	70 - 120	50.0	54.9	110	3	30
1,2,4-Trichlorobenzene	120-82-1		<5.00	5.00	50.0	51.2	102	61 - 135	50.0	51.2	102	0	30
1,2,4-Trimethylbenzene	95-63-6		<5.00	5.00	50.0	51.0	102	74 - 125	50.0	51.7	103	1	30
1,2-Dibromo-3-chloropropane	96-12-8		<5.00	5.00	50.0	54.0	108	57 - 121	50.0	52.0	104	4	30
1,2-Dibromoethane	106-93-4		<5.00	5.00	50.0	45.6	91	70 - 124	50.0	48.5	97	6	30
1,2-Dichlorobenzene	95-50-1		<5.00	5.00	50.0	52.0	104	71 - 126	50.0	52.2	104	0	30
1,2-Dichloroethane	107-06-2		<5.00	5.00	50.0	57.1	114	71 - 129	50.0	56.3	113	1	30
1,2-Dichloroethene(Total)	540-59-0		<10.0	10.0	100	94.2	94	74 - 128	100	92.4	92	2	30
1,2-Dichloropropane	78-87-5		<5.00	5.00	50.0	51.6	103	72 - 128	50.0	49.9	100	3	30
1,3,5-Trimethylbenzene	108-67-8		<5.00	5.00	50.0	52.9	106	71 - 132	50.0	53.1	106	0	30
1,3-Dichlorobenzene	541-73-1		<5.00	5.00	50.0	50.5	101	74 - 126	50.0	49.1	98	3	30
1,3-Dichloropropane	142-28-9		<5.00	5.00	50.0	49.1	98	74 - 122	50.0	49.5	99	1	30
1,4-Dichlorobenzene	106-46-7		<5.00	5.00	50.0	50.1	100	72 - 122	50.0	49.4	99	1	30
2,2-Dichloropropane	594-20-7		<5.00	5.00	50.0	55.6	111	77 - 124	50.0	55.1	110	1	30
2-Butanone	78-93-3		<5.00	5.00	50.0	54.4	109	58 - 137	50.0	55.8	112	3	30
2-Chlorotoluene	95-49-8		<5.00	5.00	50.0	52.4	105	72 - 127	50.0	53.1	106	1	30
2-Hexanone	591-78-6		<5.00	5.00	50.0	53.8	108	50 - 135	50.0	58.4	117	8	30
4-Chlorotoluene	106-43-4		<5.00	5.00	50.0	53.4	107	75 - 126	50.0	53.0	106	1	30
4-Isopropyltoluene	99-87-6		<5.00	5.00	50.0	53.9	108	71 - 129	50.0	52.9	106	2	30
4-Methyl-2-pentanone	108-10-1		<5.00	5.00	50.0	57.2	114	57 - 132	50.0	63.9	128	11	30
Acetone	67-64-1		<5.00	5.00	50.0	58.7	117	44 - 156	50.0	55.3	111	6	30
Benzene	71-43-2		<5.00	5.00	50.0	49.4	99	70 - 129	50.0	48.7	97	1	20
Bromobenzene	108-86-1		<5.00	5.00	50.0	53.3	107	71 - 120	50.0	53.6	107	1	30
Bromochloromethane	74-97-5		<5.00	5.00	50.0	44.4	89	76 - 130	50.0	46.3	93	4	30
Bromodichloromethane	75-27-4		<5.00	5.00	50.0	54.9	110	74 - 125	50.0	54.8	110	0	30
Bromoform	75-25-2		<5.00	5.00	50.0	48.2	96	64 - 122	50.0	49.0	98	2	30
Bromomethane	74-83-9		<5.00	5.00	50.0	45.4	91	47 - 138	50.0	48.9	98	7	30
Carbon disulfide	75-15-0		<5.00	5.00	50.0	47.3	95	69 - 136	50.0	43.0	86	10	30
Carbon tetrachloride	56-23-5		<5.00	5.00	50.0	54.0	108	76 - 128	50.0	54.6	109	1	30
Chlorobenzene	108-90-7		<5.00	5.00	50.0	45.5	91	74 - 123	50.0	46.5	93	2	20
Chloroethane	75-00-3		<5.00	5.00	50.0	50.1	100	62 - 141	50.0	45.3	91	10	30
Chloroform	67-66-3		<5.00	5.00	50.0	52.0	104	75 - 122	50.0	52.2	104	0	30
Chloromethane	74-87-3		<5.00	5.00	50.0	50.6	101	59 - 132	50.0	48.0	96	5	30
cis-1,2-Dichloroethene	156-59-2		<5.00	5.00	50.0	49.9	100	73 - 130	50.0	50.9	102	2	30
cis-1,3-Dichloropropene	10061-01-5		<5.00	5.00	50.0	54.8	110	71 - 132	50.0	53.5	107	2	30
Dibromochloromethane	124-48-1		<5.00	5.00	50.0	47.3	95	71 - 123	50.0	50.5	101	7	30
Dibromomethane	74-95-3		<5.00	5.00	50.0	52.4	105	72 - 129	50.0	53.0	106	1	30
Dichlorodifluoromethane	75-71-8		<5.00	5.00	50.0	62.9	126	58 - 140	50.0	59.6	119	5	30
Ethylbenzene	100-41-4		<5.00	5.00	50.0	47.0	94	74 - 126	50.0	49.2	98	5	30
Hexachlorobutadiene	87-68-3		<5.00	5.00	50.0	50.6	101	61 - 144	50.0	50.1	100	1	30
Isopropylbenzene (Cumene)	98-82-8		<5.00	5.00	50.0	52.5	105	71 - 125	50.0	53.6	107	2	30
m,p-Xylene	136777-61-2		<10.0	10.0	100	96.1	96	74 - 126	100	95.0	95	1	30
Methyl iodide	74-88-4		<5.00	5.00	50.0	40.9	82	57 - 141	50.0	36.4	73	12	30
Methylene chloride	75-09-2		<5.00	5.00	50.0	45.0	90	68 - 132	50.0	41.9	84	7	30
Naphthalene	91-20-3		<5.00	5.00	50.0	52.5	105	57 - 138	50.0	54.7	109	4	35
n-Butylbenzene	104-51-8		<5.00	5.00	50.0	54.8	110	69 - 134	50.0	54.7	109	0	30
n-Propylbenzene	103-65-1		<5.00	5.00	50.0	52.8	106	75 - 129	50.0	52.5	105	1	30
o-Xylene	95-47-6		<5.00	5.00	50.0	49.9	100	73 - 130	50.0	51.7	103	4	30
sec-Butylbenzene	135-98-8		<5.00	5.00	50.0	52.9	106	70 - 136	50.0	50.9	102	4	30
Styrene	100-42-5		<5.00	5.00	50.0	49.7	99	71 - 127	50.0	50.4	101	1	30
tert-Butyl methyl ether (MTBE)	1634-04-4		<5.00	5.00	50.0	45.9	92	71 - 125	50.0	45.6	91	1	30

GC/MS Volatiles QC Summary

Analytical Batch 570338		Client ID	MB570338		LCS570338				LCSD570338				
		GCAL ID	1499582		1499583				1499584				
		Sample Type	MB		LCS				LCSD				
		Prep Date	NA		NA				NA				
		Analysis Date	10/16/2015 21:07		10/16/2015 19:36				10/16/2015 19:59				
		Matrix	Water		Water				Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit	
tert-Butylbenzene	98-06-6	<5.00	5.00	50.0	57.7	115	72 - 126	50.0	57.3	115	1	30	
Tetrachloroethene	127-18-4	<5.00	5.00	50.0	42.3	85	68 - 128	50.0	47.0	94	11	30	
Toluene	108-88-3	<5.00	5.00	50.0	47.8	96	72 - 120	50.0	52.6	105	10	20	
trans-1,2-Dichloroethene	156-60-5	<5.00	5.00	50.0	44.3	89	69 - 132	50.0	41.5	83	7	30	
trans-1,3-Dichloropropene	10061-02-6	<5.00	5.00	50.0	59.1	118	71 - 131	50.0	55.6	111	6	30	
trans-1,4-Dichloro-2-butene	110-57-6	<5.00	5.00	50.0	60.7	121	56 - 132	50.0	63.8	128	5	30	
Trichloroethene	79-01-6	<5.00	5.00	50.0	46.1	92	76 - 129	50.0	47.7	95	3	20	
Trichlorofluoromethane	75-69-4	<5.00	5.00	50.0	53.9	108	72 - 136	50.0	49.9	100	8	30	
Trichlorotrifluoroethane	76-13-1	<5.00	5.00	50.0	48.3	97	72 - 136	50.0	43.7	87	10	30	
Vinyl acetate	108-05-4	<5.00	5.00	50.0	53.0	106	54 - 147	50.0	51.8	104	2	30	
Vinyl chloride	75-01-4	<2.00	2.00	50.0	44.1	88	68 - 132	50.0	44.0	88	0	30	
Xylene (total)	1330-20-7	<15.0	15.0	150	146	97	74 - 127	150	147	98	1	30	
Surrogate													
1,2-Dichloroethane-d4	17060-07-0	56.2	112	50	57.2	114	71 - 127	50	55.7	111	3	NA	
4-Bromofluorobenzene	460-00-4	43.9	88	50	46.9	94	78 - 130	50	47.9	96	2	NA	
Dibromofluoromethane	1868-53-7	48.4	97	50	50.4	101	77 - 127	50	49.7	99	1	NA	
Toluene d8	2037-26-5	44.3	89	50	45.8	92	76 - 134	50	52	104	13	NA	

Analytical Batch 570338		Client ID	SPENT CATALYST (VB-0325.. 21510134001 SAMPLE NA 10/16/2015 21:30 Solid			1498578MS 1500050 MS NA 10/16/2015 21:53 Solid			1498578MSD 1500051 MSD NA 10/16/2015 22:15 Solid					
		GCAL ID												
		Sample Type												
		Prep Date												
		Analysis Date												
		Matrix												
EPA 8260B			Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit	
1,1-Dichloroethene	75-35-4		0.00	200	2000	1830	92	68 - 129	2000	1640	82	11	20	
1,2-Dichloroethane	107-06-2		0.00	200	2000	2390	120	68 - 126	2000	2320	116	3	30	
2-Butanone	78-93-3		0.00	200	2000	1780	89	47 - 142	2000	1770	89	1	30	
Benzene	71-43-2		0.00	200	2000	2050	103	73 - 128	2000	2030	102	1	20	
Carbon tetrachloride	56-23-5		0.00	200	2000	2280	114	71 - 133	2000	2310	116	1	30	
Chlorobenzene	108-90-7		0.00	200	2000	1870	94	75 - 121	2000	1930	97	3	20	
Chloroform	67-66-3		0.00	200	2000	2120	106	74 - 124	2000	2140	107	1	30	
Tetrachloroethene	127-18-4		0.00	200	2000	1740	87	70 - 127	2000	1950	98	11	30	
Trichloroethene	79-01-6		0.00	200	2000	1920	96	78 - 127	2000	1970	99	3	20	
Vinyl chloride	75-01-4		0.00	80.0	2000	1760	88	67 - 131	2000	1810	91	3	30	
Surrogate														
1,2-Dichloroethane-d4	17060-07-0		2.18	109	2000	2410	121	62 - 125	2000	2270	114	6	NA	
4-Bromofluorobenzene	460-00-4		1.81	91	2000	1920	96	62 - 127	2000	1840	92	4	NA	
Dibromofluoromethane	1868-53-7		1.94	97	2000	1980	99	65 - 130	2000	2030	102	2	NA	
Toluene d8	2037-26-5		2.06	103	2000	1890	95	71 - 132	2000	2010	101	6	NA	



7979 Innovation Park Dr., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 4447 - ENVIRON International Corp

SDG: 215101220

PM: SAK



Report to: Client: <u>Ramboll Environ</u> Address: <u>1600 Parkwood Circle</u> <u>Suite 310, Atlanta, GA 30339</u> Contact: <u>Robert G. Patchett</u> Phone: <u>770-874-5010</u> E-mail: <u>rpatchett@environcorp.com</u>				Bill to: <u>Same</u> Client: _____ Address: _____ Contact: _____ Phone: _____ E-mail: _____				Analytical Requests & Method				GCAL use only: Custody Seal used ☒ yes ☐ no intact ☒ yes ☐ no Temperature °C <u>36.49, 0.5E24</u> ☐ Dissolved Analysis Requested ☐ Field filtered ☐ Lab filtered			
P.O. Number		Project Name/Number <u>CCHT / 07-21924</u>						chlorinated VOCs				Preservative			
Sampled By: <u>Aaron D. Hottenstein</u>															
Matrix ¹	Date	Time (2400)	Comp	Grab	Sample Description	No Con-tainers	HL								
W	10/8/15	1223		X	MW-15 20151008	3	X								1
		1112		X	MW-19 20151008		X								2
		1158		X	MW-21 20151008		X								3
		1330		X	MW-25D 20151008		X								4
		1436		X	MW-27D 20151008		X								5
↓	↓	-		X	DUP-01 20151008		X								6
W	-	-		-	TRIP BLANK 20151008	↓	X								7
Air Bill No: <u>7747 0505 4366</u>															
Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)															
Relinquished by: (Signature) <u>[Signature]</u>		Date: <u>10/9/15</u>		Time: <u>1122</u>		Received by: (Signature) <u>HUGO ANEZ</u>		Date: <u>10/9/15</u>		Time: <u>11:22</u>		Note:			
Relinquished by: (Signature) <u>HUGO ANEZ</u>		Date: <u>10/9/15</u>		Time: <u>1122</u>		Received by: (Signature) <u>FedEx</u>		Date: <u>10/9/15</u>		Time: <u>11:22</u>					
Relinquished by: (Signature) <u>FedEx</u>		Date: <u>10-10-15</u>		Time: <u>9:50</u>		Received by: (Signature) <u>[Signature]</u>		Date: <u>10-10-15</u>		Time: <u>9:50</u>					

Matrix¹: W = water, S = solid, L = liquid, T = tissue

*Requires prior approval, rush charges may apply.

We cannot accept verbal changes. Please email written changes to your PM.

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT



SAMPLE RECEIVING CHECKLIST



SAMPLE DELIVERY GROUP 215101220			CHECKLIST	YES	NO	NA
Client	PM SAK	Transport Method	Were all samples received using proper thermal preservation?	☒	☐	☐
4447 - ENVIRON International Corp		FEDEX	When used, were all custody seals intact?	☒	☐	☐
Profile Number		Received By	Were all samples received in proper containers?	☒	☐	☐
229430		McCune, Dodie N.	Were all samples received using proper chemical preservation?	☒	☐	☐
Line Item(s)		Receive Date(s)	Was preservative added to any container at the lab?	☐	☒	☐
1 - Waters		10/10/15	Were all containers received in good condition?	☒	☐	☐
			Were all VOA vials received with no head space?	☒	☐	☐
			Do all sample labels match the Chain of Custody?	☒	☐	☐
			Did the Chain of Custody list the sampling technician?	☒	☐	☐
			Was the COC maintained i.e. all signatures, dates and time of receipt included?	☒	☐	☐
COOLERS			DISCREPANCIES	LAB PRESERVATIONS		
Airbill	Thermometer ID: E24	Temp(°C)	None	None		
774705054366		3.6				
		4.9				
		0.5				
NOTES						

Revision 1.4

Page 1 of 1

ANALYTICAL RESULTS

PERFORMED BY

GCAL, LLC

7979 Innovation Park Dr.
Baton Rouge, LA 70820

Report Date 11/11/2014

GCAL Report 214110331



Deliver To ENVIRON
1600 Parkwood Circle
Suite 310
Atlanta, GA 30339

Attn Keith Cole

Project CCHT



Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified LOQ
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
MDL	Method Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates the result is between the MDL and LOQ
U	Indicates the compound was analyzed for but not detected
B	Indicates the analyte was detected in the associated Method Blank

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the NELAC standard and terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Authorized Signature
GCAL Report 214110331

Case Narrative

Client: ENVIRON International Corp **Report:** 214110331

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the Report Sample Summary page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

VOLATILES MASS SPECTROMETRY

In the EPA 8260B analysis, samples 21411033105 (MW-15 20141030), 21411033107 (MW-19 20141030), 21411033114 (MW-25D 20141030) and 21411033118 (DUP-02 20141030) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilution is reflected in elevated detection limits.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21411033101	MW-6 20141030	Water	10/30/2014 10:50	11/01/2014 09:45
21411033102	MW-8R 20141030	Water	10/30/2014 11:05	11/01/2014 09:45
21411033103	MW-12 20141030	Water	10/30/2014 14:45	11/01/2014 09:45
21411033104	MW-14 20141030	Water	10/30/2014 11:55	11/01/2014 09:45
21411033105	MW-15 20141030	Water	10/30/2014 12:35	11/01/2014 09:45
21411033106	MW-18 20141030	Water	10/30/2014 10:30	11/01/2014 09:45
21411033107	MW-19 20141030	Water	10/30/2014 15:05	11/01/2014 09:45
21411033108	MW-19LF 20141030	Water	10/30/2014 16:35	11/01/2014 09:45
21411033109	MW-20 20141030	Water	10/30/2014 12:15	11/01/2014 09:45
21411033110	MW-21 20141030	Water	10/30/2014 14:55	11/01/2014 09:45
21411033111	MW-21LF 20141030	Water	10/30/2014 16:05	11/01/2014 09:45
21411033112	MW-23 20141030	Water	10/30/2014 13:00	11/01/2014 09:45
21411033113	MW-24 20141030	Water	10/30/2014 12:05	11/01/2014 09:45
21411033114	MW-25D 20141030	Water	10/30/2014 14:20	11/01/2014 09:45
21411033115	MW-26D 20141030	Water	10/30/2014 10:40	11/01/2014 09:45
21411033116	MW-27D 20141030	Water	10/30/2014 12:45	11/01/2014 09:45
21411033117	DUP-01 20141030	Water	10/30/2014 12:00	11/01/2014 09:45
21411033118	DUP-02 20141030	Water	10/30/2014 12:00	11/01/2014 09:45
21411033119	TRIP BLANK	Water	10/30/2014 00:00	11/01/2014 09:45

Summary of Compounds Detected

MW-6 20141030

Collect Date 10/30/2014 10:50

GCAL ID 21411033101

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	52.6	5.00	ug/L
127-18-4	Tetrachloroethene	7.86	5.00	ug/L

MW-8R 20141030

Collect Date 10/30/2014 11:05

GCAL ID 21411033102

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	24.0	5.00	ug/L
127-18-4	Tetrachloroethene	15.5	5.00	ug/L

MW-12 20141030

Collect Date 10/30/2014 14:45

GCAL ID 21411033103

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	53.6	5.00	ug/L
127-18-4	Tetrachloroethene	8.75	5.00	ug/L

MW-14 20141030

Collect Date 10/30/2014 11:55

GCAL ID 21411033104

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	59.3	5.00	ug/L
127-18-4	Tetrachloroethene	12.3	5.00	ug/L

Summary of Compounds Detected

MW-15 20141030

Collect Date 10/30/2014 12:35

GCAL ID 21411033105

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	493	25.0	ug/L

MW-18 20141030

Collect Date 10/30/2014 10:30

GCAL ID 21411033106

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	9.69	5.00	ug/L

MW-19 20141030

Collect Date 10/30/2014 15:05

GCAL ID 21411033107

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	50.1	10.0	ug/L
127-18-4	Tetrachloroethene	183	10.0	ug/L

MW-19LF 20141030

Collect Date 10/30/2014 16:35

GCAL ID 21411033108

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
127-18-4	Tetrachloroethene	43.9	5.00	ug/L

MW-20 20141030

Collect Date 10/30/2014 12:15

GCAL ID 21411033109

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	12.7	5.00	ug/L

Summary of Compounds Detected

MW-21 20141030

Collect Date 10/30/2014 14:55

GCAL ID 21411033110

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
540-59-0	1,2-Dichloroethene(Total)	38.0	10.0	ug/L
67-64-1	Acetone	60.3	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	37.0	5.00	ug/L
127-18-4	Tetrachloroethene	46.8	5.00	ug/L
79-01-6	Trichloroethene	26.9	5.00	ug/L

MW-21LF 20141030

Collect Date 10/30/2014 16:05

GCAL ID 21411033111

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
75-35-4	1,1-Dichloroethene	5.51	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	38.7	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	37.2	5.00	ug/L
127-18-4	Tetrachloroethene	88.9	5.00	ug/L
79-01-6	Trichloroethene	39.2	5.00	ug/L

MW-23 20141030

Collect Date 10/30/2014 13:00

GCAL ID 21411033112

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	66.4	5.00	ug/L
67-66-3	Chloroform	11.2	5.00	ug/L
127-18-4	Tetrachloroethene	159	5.00	ug/L

MW-24 20141030

Collect Date 10/30/2014 12:05

GCAL ID 21411033113

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	8.95	5.00	ug/L

Summary of Compounds Detected

MW-25D 20141030

Collect Date 10/30/2014 14:20

GCAL ID 21411033114

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	11.7	10.0	ug/L
127-18-4	Tetrachloroethene	330	10.0	ug/L

MW-26D 20141030

Collect Date 10/30/2014 10:40

GCAL ID 21411033115

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	27.1	5.00	ug/L
127-18-4	Tetrachloroethene	31.6	5.00	ug/L

MW-27D 20141030

Collect Date 10/30/2014 12:45

GCAL ID 21411033116

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	12.5	5.00	ug/L
127-18-4	Tetrachloroethene	106	5.00	ug/L

DUP-01 20141030

Collect Date 10/30/2014 12:00

GCAL ID 21411033117

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	13.1	5.00	ug/L

DUP-02 20141030

Collect Date 10/30/2014 12:00

GCAL ID 21411033118

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

CAS#	Parameter	Result	LOQ	Units
67-64-1	Acetone	12.8	10.0	ug/L
127-18-4	Tetrachloroethene	322	10.0	ug/L

Sample Results

MW-6 20141030
Collect Date 10/30/2014 10:50

GCAL ID 21411033101

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 02:14	CEK	544297

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	52.6	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L

Sample Results

MW-6 20141030
Collect Date 10/30/2014 10:50

GCAL ID 21411033101

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 02:14	CEK	544297

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	7.86	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.4	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	48.8	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	50.9	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

MW-8R 20141030
Collect Date 10/30/2014 11:05

GCAL ID 21411033102

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 02:35	CEK	544297

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L

Sample Results

MW-8R 20141030
Collect Date 10/30/2014 11:05

GCAL ID 21411033102

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 02:35	CEK	544297

CAS#	Parameter	Result	LOQ	Units
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	24.0	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	15.5	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L

Sample Results

MW-8R 20141030

Collect Date 10/30/2014 11:05

GCAL ID 21411033102

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 02:35	CEK	544297

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	49.8	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.2	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.6	ug/L	99	71 - 127

MW-12 20141030

Collect Date 10/30/2014 14:45

GCAL ID 21411033103

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 02:55	CEK	544297

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	53.6	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L

Sample Results

MW-12 20141030

Collect Date 10/30/2014 14:45

GCAL ID 21411033103

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 02:55	CEK	544297

CAS#	Parameter	Result	LOQ	Units
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	8.75	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.2	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	48.7	ug/L	97	77 - 127
2037-26-5	Toluene d8	50	50	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.6	ug/L	99	71 - 127

Sample Results

MW-14 20141030
Collect Date 10/30/2014 11:55

GCAL ID 21411033104

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 03:15	CEK	544297

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	59.3	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L

Sample Results

MW-14 20141030

Collect Date 10/30/2014 11:55

GCAL ID 21411033104

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 03:15	CEK	544297

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	12.3	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.4	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	50.1	ug/L	100	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

MW-15 20141030

Collect Date 10/30/2014 12:35

GCAL ID 21411033105

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	11/04/2014 03:38	CEK	544297

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<25.0	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	<25.0	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<25.0	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	<25.0	25.0	ug/L
75-34-3	1,1-Dichloroethane	<25.0	25.0	ug/L
75-35-4	1,1-Dichloroethene	<25.0	25.0	ug/L
563-58-6	1,1-Dichloropropene	<25.0	25.0	ug/L
96-18-4	1,2,3-Trichloropropane	<25.0	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	<25.0	25.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	<25.0	25.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<25.0	25.0	ug/L
106-93-4	1,2-Dibromoethane	<25.0	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	<25.0	25.0	ug/L
107-06-2	1,2-Dichloroethane	<25.0	25.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	<50.0	50.0	ug/L
78-87-5	1,2-Dichloropropane	<25.0	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	<25.0	25.0	ug/L

Sample Results

MW-15 20141030
Collect Date 10/30/2014 12:35

GCAL ID 21411033105

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	11/04/2014 03:38	CEK	544297

CAS#	Parameter	Result	LOQ	Units
541-73-1	1,3-Dichlorobenzene	<25.0	25.0	ug/L
142-28-9	1,3-Dichloropropane	<25.0	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	<25.0	25.0	ug/L
594-20-7	2,2-Dichloropropane	<25.0	25.0	ug/L
78-93-3	2-Butanone	<25.0	25.0	ug/L
95-49-8	2-Chlorotoluene	<25.0	25.0	ug/L
591-78-6	2-Hexanone	<25.0	25.0	ug/L
106-43-4	4-Chlorotoluene	<25.0	25.0	ug/L
99-87-6	4-Isopropyltoluene	<25.0	25.0	ug/L
108-10-1	4-Methyl-2-pentanone	<25.0	25.0	ug/L
67-64-1	Acetone	<25.0	25.0	ug/L
71-43-2	Benzene	<25.0	25.0	ug/L
108-86-1	Bromobenzene	<25.0	25.0	ug/L
74-97-5	Bromochloromethane	<25.0	25.0	ug/L
75-27-4	Bromodichloromethane	<25.0	25.0	ug/L
75-25-2	Bromoform	<25.0	25.0	ug/L
74-83-9	Bromomethane	<25.0	25.0	ug/L
75-15-0	Carbon disulfide	<25.0	25.0	ug/L
56-23-5	Carbon tetrachloride	<25.0	25.0	ug/L
108-90-7	Chlorobenzene	<25.0	25.0	ug/L
75-00-3	Chloroethane	<25.0	25.0	ug/L
67-66-3	Chloroform	<25.0	25.0	ug/L
74-87-3	Chloromethane	<25.0	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	<25.0	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	<25.0	25.0	ug/L
124-48-1	Dibromochloromethane	<25.0	25.0	ug/L
74-95-3	Dibromomethane	<25.0	25.0	ug/L
75-71-8	Dichlorodifluoromethane	<25.0	25.0	ug/L
100-41-4	Ethylbenzene	<25.0	25.0	ug/L
87-68-3	Hexachlorobutadiene	<25.0	25.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	<25.0	25.0	ug/L
136777-61-2	m,p-Xylene	<50.0	50.0	ug/L
74-88-4	Methyl iodide	<25.0	25.0	ug/L
75-09-2	Methylene chloride	<25.0	25.0	ug/L
91-20-3	Naphthalene	<25.0	25.0	ug/L
104-51-8	n-Butylbenzene	<25.0	25.0	ug/L
103-65-1	n-Propylbenzene	<25.0	25.0	ug/L
95-47-6	o-Xylene	<25.0	25.0	ug/L
135-98-8	sec-Butylbenzene	<25.0	25.0	ug/L
100-42-5	Styrene	<25.0	25.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<25.0	25.0	ug/L
98-06-6	tert-Butylbenzene	<25.0	25.0	ug/L
127-18-4	Tetrachloroethene	493	25.0	ug/L
108-88-3	Toluene	<25.0	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	<25.0	25.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	<25.0	25.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<25.0	25.0	ug/L
79-01-6	Trichloroethene	<25.0	25.0	ug/L
75-69-4	Trichlorofluoromethane	<25.0	25.0	ug/L
76-13-1	Trichlorotrifluoroethane	<25.0	25.0	ug/L
108-05-4	Vinyl acetate	<25.0	25.0	ug/L
75-01-4	Vinyl chloride	<25.0	25.0	ug/L

Sample Results

MW-15 20141030

Collect Date 10/30/2014 12:35

GCAL ID 21411033105

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	5	11/04/2014 03:38	CEK	544297

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	<75.0	75.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	250	238	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	250	247	ug/L	99	77 - 127
2037-26-5	Toluene d8	250	257	ug/L	103	76 - 134
17060-07-0	1,2-Dichloroethane-d4	250	254	ug/L	102	71 - 127

MW-18 20141030

Collect Date 10/30/2014 10:30

GCAL ID 21411033106

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 03:58	CEK	544297

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	9.69	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L

Sample Results

MW-18 20141030
Collect Date 10/30/2014 10:30

GCAL ID 21411033106

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 03:58	CEK	544297

CAS#	Parameter	Result	LOQ	Units
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	<5.00	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.1	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	50.1	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	50.8	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.6	ug/L	101	71 - 127

Sample Results

MW-19 20141030
Collect Date 10/30/2014 15:05

GCAL ID 21411033107

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	11/04/2014 04:21	CEK	544297

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<10.0	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	<10.0	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<10.0	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	<10.0	10.0	ug/L
75-34-3	1,1-Dichloroethane	<10.0	10.0	ug/L
75-35-4	1,1-Dichloroethene	<10.0	10.0	ug/L
563-58-6	1,1-Dichloropropene	<10.0	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	<10.0	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	<10.0	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	<10.0	10.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<10.0	10.0	ug/L
106-93-4	1,2-Dibromoethane	<10.0	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	<10.0	10.0	ug/L
107-06-2	1,2-Dichloroethane	<10.0	10.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	<20.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	<10.0	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	<10.0	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	<10.0	10.0	ug/L
142-28-9	1,3-Dichloropropane	<10.0	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	<10.0	10.0	ug/L
594-20-7	2,2-Dichloropropane	<10.0	10.0	ug/L
78-93-3	2-Butanone	<10.0	10.0	ug/L
95-49-8	2-Chlorotoluene	<10.0	10.0	ug/L
591-78-6	2-Hexanone	<10.0	10.0	ug/L
106-43-4	4-Chlorotoluene	<10.0	10.0	ug/L
99-87-6	4-Isopropyltoluene	<10.0	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	<10.0	10.0	ug/L
67-64-1	Acetone	50.1	10.0	ug/L
71-43-2	Benzene	<10.0	10.0	ug/L
108-86-1	Bromobenzene	<10.0	10.0	ug/L
74-97-5	Bromochloromethane	<10.0	10.0	ug/L
75-27-4	Bromodichloromethane	<10.0	10.0	ug/L
75-25-2	Bromoform	<10.0	10.0	ug/L
74-83-9	Bromomethane	<10.0	10.0	ug/L
75-15-0	Carbon disulfide	<10.0	10.0	ug/L
56-23-5	Carbon tetrachloride	<10.0	10.0	ug/L
108-90-7	Chlorobenzene	<10.0	10.0	ug/L
75-00-3	Chloroethane	<10.0	10.0	ug/L
67-66-3	Chloroform	<10.0	10.0	ug/L
74-87-3	Chloromethane	<10.0	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	<10.0	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	<10.0	10.0	ug/L
124-48-1	Dibromochloromethane	<10.0	10.0	ug/L
74-95-3	Dibromomethane	<10.0	10.0	ug/L
75-71-8	Dichlorodifluoromethane	<10.0	10.0	ug/L
100-41-4	Ethylbenzene	<10.0	10.0	ug/L
87-68-3	Hexachlorobutadiene	<10.0	10.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	<10.0	10.0	ug/L
136777-61-2	m,p-Xylene	<20.0	20.0	ug/L
74-88-4	Methyl iodide	<10.0	10.0	ug/L
75-09-2	Methylene chloride	<10.0	10.0	ug/L
91-20-3	Naphthalene	<10.0	10.0	ug/L
104-51-8	n-Butylbenzene	<10.0	10.0	ug/L
103-65-1	n-Propylbenzene	<10.0	10.0	ug/L

Sample Results

MW-19 20141030

Collect Date 10/30/2014 15:05

GCAL ID 21411033107

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	11/04/2014 04:21	CEK	544297

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	<10.0	10.0	ug/L
135-98-8	sec-Butylbenzene	<10.0	10.0	ug/L
100-42-5	Styrene	<10.0	10.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<10.0	10.0	ug/L
98-06-6	tert-Butylbenzene	<10.0	10.0	ug/L
127-18-4	Tetrachloroethene	183	10.0	ug/L
108-88-3	Toluene	<10.0	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	<10.0	10.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	<10.0	10.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<10.0	10.0	ug/L
79-01-6	Trichloroethene	<10.0	10.0	ug/L
75-69-4	Trichlorofluoromethane	<10.0	10.0	ug/L
76-13-1	Trichlorotrifluoroethane	<10.0	10.0	ug/L
108-05-4	Vinyl acetate	<10.0	10.0	ug/L
75-01-4	Vinyl chloride	<10.0	10.0	ug/L
1330-20-7	Xylene (total)	<30.0	30.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	91.9	ug/L	92	78 - 130
1868-53-7	Dibromofluoromethane	100	98.4	ug/L	98	77 - 127
2037-26-5	Toluene d8	100	101	ug/L	101	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	99.7	ug/L	100	71 - 127

MW-19LF 20141030

Collect Date 10/30/2014 16:35

GCAL ID 21411033108

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 20:24	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L

Sample Results

MW-19LF 20141030
Collect Date 10/30/2014 16:35

GCAL ID 21411033108

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 20:24	LBH	544667

CAS#	Parameter	Result	LOQ	Units
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	<5.00	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	43.9	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L

Sample Results

MW-19LF 20141030

Collect Date 10/30/2014 16:35

GCAL ID 21411033108

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 20:24	LBH	544667

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.4	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	49.6	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	53	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.4	ug/L	99	71 - 127

MW-20 20141030

Collect Date 10/30/2014 12:15

GCAL ID 21411033109

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 20:45	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	12.7	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L

Sample Results

MW-20 20141030
Collect Date 10/30/2014 12:15

GCAL ID 21411033109

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 20:45	LBH	544667

CAS#	Parameter	Result	LOQ	Units
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	<5.00	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.3	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	48.7	ug/L	97	77 - 127
2037-26-5	Toluene d8	50	52.3	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.2	ug/L	100	71 - 127

Sample Results

MW-21 20141030
Collect Date 10/30/2014 14:55

GCAL ID 21411033110

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 21:06	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	38.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	60.3	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	37.0	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L

Sample Results

MW-21 20141030

Collect Date 10/30/2014 14:55

GCAL ID 21411033110

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 21:06	LBH	544667

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	46.8	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	26.9	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.4	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	49.3	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	53.5	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

MW-21LF 20141030

Collect Date 10/30/2014 16:05

GCAL ID 21411033111

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 21:27	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.51	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	38.7	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L

Sample Results

MW-21LF 20141030
Collect Date 10/30/2014 16:05

GCAL ID 21411033111

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 21:27	LBH	544667

CAS#	Parameter	Result	LOQ	Units
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	<5.00	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	37.2	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	88.9	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	39.2	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L

Sample Results

MW-21LF 20141030

Collect Date 10/30/2014 16:05

GCAL ID 21411033111

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 21:27	LBH	544667

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.2	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	50.2	ug/L	100	77 - 127
2037-26-5	Toluene d8	50	51.9	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.7	ug/L	99	71 - 127

MW-23 20141030

Collect Date 10/30/2014 13:00

GCAL ID 21411033112

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 21:48	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	66.4	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L

Sample Results

MW-23 20141030
Collect Date 10/30/2014 13:00

GCAL ID 21411033112

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 21:48	LBH	544667

CAS#	Parameter	Result	LOQ	Units
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	11.2	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	159	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.1	ug/L	100	78 - 130
1868-53-7	Dibromofluoromethane	50	51.3	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	53.4	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.7	ug/L	101	71 - 127

Sample Results

MW-24 20141030
Collect Date 10/30/2014 12:05

GCAL ID 21411033113

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 22:09	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	8.95	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L

Sample Results

MW-24 20141030
Collect Date 10/30/2014 12:05

GCAL ID 21411033113

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 22:09	LBH	544667

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	<5.00	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.1	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	51.4	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	54.3	ug/L	109	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.9	ug/L	100	71 - 127

MW-25D 20141030
Collect Date 10/30/2014 14:20

GCAL ID 21411033114

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	11/07/2014 22:32	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<10.0	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	<10.0	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<10.0	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	<10.0	10.0	ug/L
75-34-3	1,1-Dichloroethane	<10.0	10.0	ug/L
75-35-4	1,1-Dichloroethene	<10.0	10.0	ug/L
563-58-6	1,1-Dichloropropene	<10.0	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	<10.0	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	<10.0	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	<10.0	10.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<10.0	10.0	ug/L
106-93-4	1,2-Dibromoethane	<10.0	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	<10.0	10.0	ug/L
107-06-2	1,2-Dichloroethane	<10.0	10.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	<20.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	<10.0	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	<10.0	10.0	ug/L

Sample Results

MW-25D 20141030
Collect Date 10/30/2014 14:20

GCAL ID 21411033114

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	11/07/2014 22:32	LBH	544667

CAS#	Parameter	Result	LOQ	Units
541-73-1	1,3-Dichlorobenzene	<10.0	10.0	ug/L
142-28-9	1,3-Dichloropropane	<10.0	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	<10.0	10.0	ug/L
594-20-7	2,2-Dichloropropane	<10.0	10.0	ug/L
78-93-3	2-Butanone	<10.0	10.0	ug/L
95-49-8	2-Chlorotoluene	<10.0	10.0	ug/L
591-78-6	2-Hexanone	<10.0	10.0	ug/L
106-43-4	4-Chlorotoluene	<10.0	10.0	ug/L
99-87-6	4-Isopropyltoluene	<10.0	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	<10.0	10.0	ug/L
67-64-1	Acetone	11.7	10.0	ug/L
71-43-2	Benzene	<10.0	10.0	ug/L
108-86-1	Bromobenzene	<10.0	10.0	ug/L
74-97-5	Bromochloromethane	<10.0	10.0	ug/L
75-27-4	Bromodichloromethane	<10.0	10.0	ug/L
75-25-2	Bromoform	<10.0	10.0	ug/L
74-83-9	Bromomethane	<10.0	10.0	ug/L
75-15-0	Carbon disulfide	<10.0	10.0	ug/L
56-23-5	Carbon tetrachloride	<10.0	10.0	ug/L
108-90-7	Chlorobenzene	<10.0	10.0	ug/L
75-00-3	Chloroethane	<10.0	10.0	ug/L
67-66-3	Chloroform	<10.0	10.0	ug/L
74-87-3	Chloromethane	<10.0	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	<10.0	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	<10.0	10.0	ug/L
124-48-1	Dibromochloromethane	<10.0	10.0	ug/L
74-95-3	Dibromomethane	<10.0	10.0	ug/L
75-71-8	Dichlorodifluoromethane	<10.0	10.0	ug/L
100-41-4	Ethylbenzene	<10.0	10.0	ug/L
87-68-3	Hexachlorobutadiene	<10.0	10.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	<10.0	10.0	ug/L
136777-61-2	m,p-Xylene	<20.0	20.0	ug/L
74-88-4	Methyl iodide	<10.0	10.0	ug/L
75-09-2	Methylene chloride	<10.0	10.0	ug/L
91-20-3	Naphthalene	<10.0	10.0	ug/L
104-51-8	n-Butylbenzene	<10.0	10.0	ug/L
103-65-1	n-Propylbenzene	<10.0	10.0	ug/L
95-47-6	o-Xylene	<10.0	10.0	ug/L
135-98-8	sec-Butylbenzene	<10.0	10.0	ug/L
100-42-5	Styrene	<10.0	10.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<10.0	10.0	ug/L
98-06-6	tert-Butylbenzene	<10.0	10.0	ug/L
127-18-4	Tetrachloroethene	330	10.0	ug/L
108-88-3	Toluene	<10.0	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	<10.0	10.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	<10.0	10.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<10.0	10.0	ug/L
79-01-6	Trichloroethene	<10.0	10.0	ug/L
75-69-4	Trichlorofluoromethane	<10.0	10.0	ug/L
76-13-1	Trichlorotrifluoroethane	<10.0	10.0	ug/L
108-05-4	Vinyl acetate	<10.0	10.0	ug/L
75-01-4	Vinyl chloride	<10.0	10.0	ug/L

Sample Results

MW-25D 20141030

Collect Date 10/30/2014 14:20

GCAL ID 21411033114

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	11/07/2014 22:32	LBH	544667

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	<30.0	30.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	96.9	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	100	100	ug/L	100	77 - 127
2037-26-5	Toluene d8	100	106	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	99.5	ug/L	100	71 - 127

MW-26D 20141030

Collect Date 10/30/2014 10:40

GCAL ID 21411033115

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 22:53	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	27.1	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L

Sample Results

MW-26D 20141030

Collect Date 10/30/2014 10:40

GCAL ID 21411033115

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 22:53	LBH	544667

CAS#	Parameter	Result	LOQ	Units
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	31.6	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.4	ug/L	97	78 - 130
1868-53-7	Dibromofluoromethane	50	49.5	ug/L	99	77 - 127
2037-26-5	Toluene d8	50	53	ug/L	106	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.8	ug/L	100	71 - 127

Sample Results

MW-27D 20141030
Collect Date 10/30/2014 12:45

GCAL ID 21411033116

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 23:14	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	12.5	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L

Sample Results

MW-27D 20141030
Collect Date 10/30/2014 12:45

GCAL ID 21411033116

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 23:14	LBH	544667

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	106	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	48.9	ug/L	98	78 - 130
1868-53-7	Dibromofluoromethane	50	51.6	ug/L	103	77 - 127
2037-26-5	Toluene d8	50	53.7	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.5	ug/L	99	71 - 127

DUP-01 20141030
Collect Date 10/30/2014 12:00

GCAL ID 21411033117

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 23:35	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L

Sample Results

DUP-01 20141030
Collect Date 10/30/2014 12:00

GCAL ID 21411033117

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 23:35	LBH	544667

CAS#	Parameter	Result	LOQ	Units
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	13.1	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	<5.00	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L

Sample Results

DUP-01 20141030
Collect Date 10/30/2014 12:00

GCAL ID 21411033117

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/07/2014 23:35	LBH	544667

CAS#	Parameter	Result	LOQ	Units
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	49.5	ug/L	99	78 - 130
1868-53-7	Dibromofluoromethane	50	50.6	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	54.8	ug/L	110	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	49.6	ug/L	99	71 - 127

DUP-02 20141030
Collect Date 10/30/2014 12:00

GCAL ID 21411033118

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	11/07/2014 23:59	LBH	544667

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<10.0	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	<10.0	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<10.0	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	<10.0	10.0	ug/L
75-34-3	1,1-Dichloroethane	<10.0	10.0	ug/L
75-35-4	1,1-Dichloroethene	<10.0	10.0	ug/L
563-58-6	1,1-Dichloropropene	<10.0	10.0	ug/L
96-18-4	1,2,3-Trichloropropane	<10.0	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	<10.0	10.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	<10.0	10.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<10.0	10.0	ug/L
106-93-4	1,2-Dibromoethane	<10.0	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	<10.0	10.0	ug/L
107-06-2	1,2-Dichloroethane	<10.0	10.0	ug/L
540-59-0	1,2-Dichloroethene(Total)	<20.0	20.0	ug/L
78-87-5	1,2-Dichloropropane	<10.0	10.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	<10.0	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	<10.0	10.0	ug/L
142-28-9	1,3-Dichloropropane	<10.0	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	<10.0	10.0	ug/L
594-20-7	2,2-Dichloropropane	<10.0	10.0	ug/L
78-93-3	2-Butanone	<10.0	10.0	ug/L
95-49-8	2-Chlorotoluene	<10.0	10.0	ug/L
591-78-6	2-Hexanone	<10.0	10.0	ug/L
106-43-4	4-Chlorotoluene	<10.0	10.0	ug/L
99-87-6	4-Isopropyltoluene	<10.0	10.0	ug/L
108-10-1	4-Methyl-2-pentanone	<10.0	10.0	ug/L
67-64-1	Acetone	12.8	10.0	ug/L
71-43-2	Benzene	<10.0	10.0	ug/L
108-86-1	Bromobenzene	<10.0	10.0	ug/L
74-97-5	Bromochloromethane	<10.0	10.0	ug/L
75-27-4	Bromodichloromethane	<10.0	10.0	ug/L

Sample Results

DUP-02 20141030
Collect Date 10/30/2014 12:00

GCAL ID 21411033118

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	2	11/07/2014 23:59	LBH	544667

CAS#	Parameter	Result	LOQ	Units
75-25-2	Bromoform	<10.0	10.0	ug/L
74-83-9	Bromomethane	<10.0	10.0	ug/L
75-15-0	Carbon disulfide	<10.0	10.0	ug/L
56-23-5	Carbon tetrachloride	<10.0	10.0	ug/L
108-90-7	Chlorobenzene	<10.0	10.0	ug/L
75-00-3	Chloroethane	<10.0	10.0	ug/L
67-66-3	Chloroform	<10.0	10.0	ug/L
74-87-3	Chloromethane	<10.0	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	<10.0	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	<10.0	10.0	ug/L
124-48-1	Dibromochloromethane	<10.0	10.0	ug/L
74-95-3	Dibromomethane	<10.0	10.0	ug/L
75-71-8	Dichlorodifluoromethane	<10.0	10.0	ug/L
100-41-4	Ethylbenzene	<10.0	10.0	ug/L
87-68-3	Hexachlorobutadiene	<10.0	10.0	ug/L
98-82-8	Isopropylbenzene (Cumene)	<10.0	10.0	ug/L
136777-61-2	m,p-Xylene	<20.0	20.0	ug/L
74-88-4	Methyl iodide	<10.0	10.0	ug/L
75-09-2	Methylene chloride	<10.0	10.0	ug/L
91-20-3	Naphthalene	<10.0	10.0	ug/L
104-51-8	n-Butylbenzene	<10.0	10.0	ug/L
103-65-1	n-Propylbenzene	<10.0	10.0	ug/L
95-47-6	o-Xylene	<10.0	10.0	ug/L
135-98-8	sec-Butylbenzene	<10.0	10.0	ug/L
100-42-5	Styrene	<10.0	10.0	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<10.0	10.0	ug/L
98-06-6	tert-Butylbenzene	<10.0	10.0	ug/L
127-18-4	Tetrachloroethene	322	10.0	ug/L
108-88-3	Toluene	<10.0	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	<10.0	10.0	ug/L
10061-02-6	trans-1,3-Dichloropropene	<10.0	10.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<10.0	10.0	ug/L
79-01-6	Trichloroethene	<10.0	10.0	ug/L
75-69-4	Trichlorofluoromethane	<10.0	10.0	ug/L
76-13-1	Trichlorotrifluoroethane	<10.0	10.0	ug/L
108-05-4	Vinyl acetate	<10.0	10.0	ug/L
75-01-4	Vinyl chloride	<10.0	10.0	ug/L
1330-20-7	Xylene (total)	<30.0	30.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	100	96.4	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	100	103	ug/L	103	77 - 127
2037-26-5	Toluene d8	100	107	ug/L	107	76 - 134
17060-07-0	1,2-Dichloroethane-d4	100	104	ug/L	104	71 - 127

Sample Results

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Collect Date 10/30/2014 00:00

GCAL ID 21411033119

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 01:54	CEK	544297

CAS#	Parameter	Result	LOQ	Units
630-20-6	1,1,1,2-Tetrachloroethane	<5.00	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	<5.00	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	<5.00	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	<5.00	5.00	ug/L
75-34-3	1,1-Dichloroethane	<5.00	5.00	ug/L
75-35-4	1,1-Dichloroethene	<5.00	5.00	ug/L
563-58-6	1,1-Dichloropropene	<5.00	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	<5.00	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	<5.00	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	<5.00	5.00	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	<5.00	5.00	ug/L
106-93-4	1,2-Dibromoethane	<5.00	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	<5.00	5.00	ug/L
107-06-2	1,2-Dichloroethane	<5.00	5.00	ug/L
540-59-0	1,2-Dichloroethene(Total)	<10.0	10.0	ug/L
78-87-5	1,2-Dichloropropane	<5.00	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	<5.00	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	<5.00	5.00	ug/L
142-28-9	1,3-Dichloropropane	<5.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	<5.00	5.00	ug/L
594-20-7	2,2-Dichloropropane	<5.00	5.00	ug/L
78-93-3	2-Butanone	<5.00	5.00	ug/L
95-49-8	2-Chlorotoluene	<5.00	5.00	ug/L
591-78-6	2-Hexanone	<5.00	5.00	ug/L
106-43-4	4-Chlorotoluene	<5.00	5.00	ug/L
99-87-6	4-Isopropyltoluene	<5.00	5.00	ug/L
108-10-1	4-Methyl-2-pentanone	<5.00	5.00	ug/L
67-64-1	Acetone	<5.00	5.00	ug/L
71-43-2	Benzene	<5.00	5.00	ug/L
108-86-1	Bromobenzene	<5.00	5.00	ug/L
74-97-5	Bromochloromethane	<5.00	5.00	ug/L
75-27-4	Bromodichloromethane	<5.00	5.00	ug/L
75-25-2	Bromoform	<5.00	5.00	ug/L
74-83-9	Bromomethane	<5.00	5.00	ug/L
75-15-0	Carbon disulfide	<5.00	5.00	ug/L
56-23-5	Carbon tetrachloride	<5.00	5.00	ug/L
108-90-7	Chlorobenzene	<5.00	5.00	ug/L
75-00-3	Chloroethane	<5.00	5.00	ug/L
67-66-3	Chloroform	<5.00	5.00	ug/L
74-87-3	Chloromethane	<5.00	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	<5.00	5.00	ug/L
124-48-1	Dibromochloromethane	<5.00	5.00	ug/L
74-95-3	Dibromomethane	<5.00	5.00	ug/L
75-71-8	Dichlorodifluoromethane	<5.00	5.00	ug/L
100-41-4	Ethylbenzene	<5.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	<5.00	5.00	ug/L
98-82-8	Isopropylbenzene (Cumene)	<5.00	5.00	ug/L
136777-61-2	m,p-Xylene	<10.0	10.0	ug/L
74-88-4	Methyl iodide	<5.00	5.00	ug/L
75-09-2	Methylene chloride	<5.00	5.00	ug/L
91-20-3	Naphthalene	<5.00	5.00	ug/L
104-51-8	n-Butylbenzene	<5.00	5.00	ug/L
103-65-1	n-Propylbenzene	<5.00	5.00	ug/L

Sample Results

TRIP BLANK

Collect Date 10/30/2014 00:00

GCAL ID 21411033119

Receive Date 11/01/2014 09:45

Matrix Water

EPA 8260B (Continued)

Prep Date	Prep Batch	Prep Method	Dilution	Analysis Date	By	Analytical Batch
NA	NA	NA	1	11/04/2014 01:54	CEK	544297

CAS#	Parameter	Result	LOQ	Units
95-47-6	o-Xylene	<5.00	5.00	ug/L
135-98-8	sec-Butylbenzene	<5.00	5.00	ug/L
100-42-5	Styrene	<5.00	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	<5.00	5.00	ug/L
98-06-6	tert-Butylbenzene	<5.00	5.00	ug/L
127-18-4	Tetrachloroethene	<5.00	5.00	ug/L
108-88-3	Toluene	<5.00	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	<5.00	5.00	ug/L
10061-02-6	trans-1,3-Dichloropropene	<5.00	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	<5.00	5.00	ug/L
79-01-6	Trichloroethene	<5.00	5.00	ug/L
75-69-4	Trichlorofluoromethane	<5.00	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	<5.00	5.00	ug/L
108-05-4	Vinyl acetate	<5.00	5.00	ug/L
75-01-4	Vinyl chloride	<5.00	5.00	ug/L
1330-20-7	Xylene (total)	<15.0	15.0	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.7	ug/L	95	78 - 130
1868-53-7	Dibromofluoromethane	50	49	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	51.1	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.1	ug/L	100	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 544297		Client ID GCAL ID Sample Type Prep Date Analysis Date Matrix	MB544297 1376669 MB NA 11/03/2014 22:34 Water	LCS544297 1376670 LCS NA 11/03/2014 21:14 Water	LCSD544297 1376671 LCSD NA 11/03/2014 21:34 Water								
EPA 8260B			Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6		<5.00	5.00	50.0	46.5	93	75 - 124	50.0	45.9	92	1	30
1,1,1-Trichloroethane	71-55-6		<5.00	5.00	50.0	42.2	84	76 - 126	50.0	42.6	85	1	30
1,1,2,2-Tetrachloroethane	79-34-5		<5.00	5.00	50.0	46.1	92	70 - 122	50.0	44.6	89	3	30
1,1,2-Trichloroethane	79-00-5		<5.00	5.00	50.0	46.4	93	72 - 121	50.0	45.3	91	2	30
1,1-Dichloroethane	75-34-3		<5.00	5.00	50.0	44.7	89	74 - 127	50.0	45.0	90	1	30
1,1-Dichloroethene	75-35-4		<5.00	5.00	50.0	46.0	92	69 - 129	50.0	45.1	90	2	20
1,1-Dichloropropene	563-58-6		<5.00	5.00	50.0	45.8	92	72 - 131	50.0	44.9	90	2	30
1,2,3-Trichloropropane	96-18-4		<5.00	5.00	50.0	45.5	91	70 - 120	50.0	43.6	87	4	30
1,2,4-Trichlorobenzene	120-82-1		<5.00	5.00	50.0	43.9	88	61 - 135	50.0	42.0	84	4	30
1,2,4-Trimethylbenzene	95-63-6		<5.00	5.00	50.0	52.4	105	74 - 125	50.0	50.1	100	4	30
1,2-Dibromo-3-chloropropane	96-12-8		<5.00	5.00	50.0	45.2	90	57 - 121	50.0	45.2	90	0	30
1,2-Dibromoethane	106-93-4		<5.00	5.00	50.0	46.5	93	70 - 124	50.0	46.0	92	1	30
1,2-Dichlorobenzene	95-50-1		<5.00	5.00	50.0	45.5	91	71 - 126	50.0	43.5	87	4	30
1,2-Dichloroethane	107-06-2		<5.00	5.00	50.0	43.7	87	71 - 129	50.0	43.5	87	1	30
1,2-Dichloroethene(Total)	540-59-0		<10.0	10.0	100	89.2	89	74 - 128	100	87.5	88	2	30
1,2-Dichloropropane	78-87-5		<5.00	5.00	50.0	43.3	87	72 - 128	50.0	42.8	86	1	30
1,3,5-Trimethylbenzene	108-67-8		<5.00	5.00	50.0	50.1	100	71 - 132	50.0	47.8	96	5	30
1,3-Dichlorobenzene	541-73-1		<5.00	5.00	50.0	46.1	92	74 - 126	50.0	43.6	87	6	30
1,3-Dichloropropane	142-28-9		<5.00	5.00	50.0	44.3	89	74 - 122	50.0	43.8	88	1	30
1,4-Dichlorobenzene	106-46-7		<5.00	5.00	50.0	44.8	90	72 - 122	50.0	42.4	85	6	30
2,2-Dichloropropane	594-20-7		<5.00	5.00	50.0	45.2	90	77 - 124	50.0	44.1	88	2	30
2-Butanone	78-93-3		<5.00	5.00	50.0	43.4	87	58 - 137	50.0	43.3	87	0	30
2-Chlorotoluene	95-49-8		<5.00	5.00	50.0	46.6	93	72 - 127	50.0	44.8	90	4	30
2-Hexanone	591-78-6		<5.00	5.00	50.0	43.1	86	50 - 135	50.0	42.4	85	2	30
4-Chlorotoluene	106-43-4		<5.00	5.00	50.0	45.9	92	75 - 126	50.0	44.0	88	4	30
4-Isopropyltoluene	99-87-6		<5.00	5.00	50.0	51.5	103	71 - 129	50.0	49.0	98	5	30
4-Methyl-2-pentanone	108-10-1		<5.00	5.00	50.0	42.6	85	57 - 132	50.0	41.8	84	2	30
Acetone	67-64-1		<5.00	5.00	50.0	44.2	88	44 - 156	50.0	42.0	84	5	30
Benzene	71-43-2		<5.00	5.00	50.0	45.1	90	70 - 129	50.0	44.6	89	1	20
Bromobenzene	108-86-1		<5.00	5.00	50.0	43.6	87	71 - 120	50.0	42.7	85	2	30
Bromochloromethane	74-97-5		<5.00	5.00	50.0	47.8	96	76 - 130	50.0	48.3	97	1	30
Bromodichloromethane	75-27-4		<5.00	5.00	50.0	47.0	94	74 - 125	50.0	47.9	96	2	30
Bromoform	75-25-2		<5.00	5.00	50.0	46.1	92	64 - 122	50.0	45.4	91	2	30
Bromomethane	74-83-9		<5.00	5.00	50.0	45.7	91	47 - 138	50.0	48.4	97	6	30
Carbon disulfide	75-15-0		<5.00	5.00	50.0	44.7	89	69 - 136	50.0	45.6	91	2	30
Carbon tetrachloride	56-23-5		<5.00	5.00	50.0	44.6	89	76 - 128	50.0	45.3	91	2	30
Chlorobenzene	108-90-7		<5.00	5.00	50.0	45.7	91	74 - 123	50.0	45.3	91	1	20
Chloroethane	75-00-3		<5.00	5.00	50.0	50.3	101	62 - 141	50.0	48.8	98	3	30
Chloroform	67-66-3		<5.00	5.00	50.0	45.3	91	75 - 122	50.0	44.9	90	1	30
Chloromethane	74-87-3		<5.00	5.00	50.0	43.5	87	59 - 132	50.0	42.0	84	4	30
cis-1,2-Dichloroethene	156-59-2		<5.00	5.00	50.0	45.4	91	73 - 130	50.0	44.6	89	2	30
cis-1,3-Dichloropropene	10061-01-5		<5.00	5.00	50.0	44.4	89	71 - 132	50.0	44.0	88	1	30
Dibromochloromethane	124-48-1		<5.00	5.00	50.0	47.4	95	71 - 123	50.0	46.4	93	2	30
Dibromomethane	74-95-3		<5.00	5.00	50.0	46.4	93	72 - 129	50.0	46.7	93	1	30
Dichlorodifluoromethane	75-71-8		<5.00	5.00	50.0	43.8	88	58 - 140	50.0	43.0	86	2	30
Ethylbenzene	100-41-4		<5.00	5.00	50.0	46.6	93	74 - 126	50.0	45.0	90	3	30
Hexachlorobutadiene	87-68-3		<5.00	5.00	50.0	43.2	86	61 - 144	50.0	41.0	82	5	30
Isopropylbenzene (Cumene)	98-82-8		<5.00	5.00	50.0	45.5	91	71 - 125	50.0	44.0	88	3	30
m,p-Xylene	136777-61-2		<10.0	10.0	100	91.1	91	74 - 126	100	88.6	89	3	30
Methyl iodide	74-88-4		<5.00	5.00	50.0	35.2	70	57 - 141	50.0	41.7	83	17	30
Methylene chloride	75-09-2		<5.00	5.00	50.0	46.9	94	68 - 132	50.0	45.4	91	3	30
Naphthalene	91-20-3		<5.00	5.00	50.0	45.4	91	57 - 138	50.0	44.6	89	2	35
n-Butylbenzene	104-51-8		<5.00	5.00	50.0	50.0	100	69 - 134	50.0	46.8	94	7	30
n-Propylbenzene	103-65-1		<5.00	5.00	50.0	45.6	91	75 - 129	50.0	43.4	87	5	30
o-Xylene	95-47-6		<5.00	5.00	50.0	45.9	92	73 - 130	50.0	45.2	90	2	30
sec-Butylbenzene	135-98-8		<5.00	5.00	50.0	47.8	96	70 - 136	50.0	45.2	90	6	30
Styrene	100-42-5		<5.00	5.00	50.0	48.9	98	71 - 127	50.0	48.3	97	1	30
tert-Butyl methyl ether (MTBE)	1634-04-4		<5.00	5.00	50.0	43.0	86	71 - 125	50.0	42.4	85	1	30
tert-Butylbenzene	98-06-6		<5.00	5.00	50.0	43.8	88	72 - 126	50.0	42.2	84	4	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 544297		Client ID	MB544297		LCS544297			LCSD544297					
		GCAL ID	1376669		1376670			1376671					
		Sample Type	MB		LCS			LCSD					
		Prep Date	NA		NA			NA					
		Analysis Date	11/03/2014 22:34		11/03/2014 21:14			11/03/2014 21:34					
		Matrix	Water		Water			Water					
EPA 8260B			Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Tetrachloroethene	127-18-4	<5.00	5.00	50.0	44.7	89	68 - 128	50.0	42.5	85	5	30	
Toluene	108-88-3	<5.00	5.00	50.0	44.1	88	72 - 120	50.0	43.3	87	2	20	
trans-1,2-Dichloroethene	156-60-5	<5.00	5.00	50.0	43.8	88	69 - 132	50.0	42.9	86	2	30	
trans-1,3-Dichloropropene	10061-02-6	<5.00	5.00	50.0	44.7	89	71 - 131	50.0	44.1	88	1	30	
trans-1,4-Dichloro-2-butene	110-57-6	<5.00	5.00	50.0	48.0	96	56 - 132	50.0	43.5	87	10	30	
Trichloroethene	79-01-6	<5.00	5.00	50.0	43.9	88	76 - 129	50.0	43.3	87	1	20	
Trichlorofluoromethane	75-69-4	<5.00	5.00	50.0	45.6	91	72 - 136	50.0	44.9	90	2	30	
Trichlorotrifluoroethane	76-13-1	<5.00	5.00	50.0	47.0	94	72 - 136	50.0	46.1	92	2	30	
Vinyl acetate	108-05-4	<5.00	5.00	50.0	49.8	100	54 - 147	50.0	50.7	101	2	30	
Vinyl chloride	75-01-4	<5.00	5.00	50.0	46.2	92	68 - 132	50.0	45.7	91	1	30	
Xylene (total)	1330-20-7	<15.0	15.0	150	137	91	74 - 127	150	134	89	2	30	
Surrogate													
1,2-Dichloroethane-d4	17060-07-0	49.7	99	50	49.3	99	71 - 127	50	49	98	1	NA	
4-Bromofluorobenzene	460-00-4	48.7	97	50	49	98	78 - 130	50	49.2	98	0	NA	
Dibromofluoromethane	1868-53-7	49.9	100	50	50.5	101	77 - 127	50	51.3	103	2	NA	
Toluene d8	2037-26-5	51.4	103	50	50.6	101	76 - 134	50	50.6	101	0	NA	

Analytical Batch 544667		Client ID GCAL ID Sample Type Prep Date Analysis Date Matrix	MB544667 1378707 MB NA 11/07/2014 20:03 Water	LCS544667 1378708 LCS NA 11/07/2014 18:39 Water				LCSD544667 1378709 LCSD NA 11/07/2014 19:00 Water				
EPA 8260B		Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	630-20-6	<5.00	5.00	50.0	46.6	93	75 - 124	50.0	48.7	97	4	30
1,1,1-Trichloroethane	71-55-6	<5.00	5.00	50.0	47.7	95	76 - 126	50.0	50.3	101	5	30
1,1,2,2-Tetrachloroethane	79-34-5	<5.00	5.00	50.0	43.1	86	70 - 122	50.0	45.7	91	6	30
1,1,2-Trichloroethane	79-00-5	<5.00	5.00	50.0	46.3	93	72 - 121	50.0	46.7	93	1	30
1,1-Dichloroethane	75-34-3	<5.00	5.00	50.0	47.3	95	74 - 127	50.0	49.0	98	4	30
1,1-Dichloroethene	75-35-4	<5.00	5.00	50.0	46.2	92	69 - 129	50.0	48.1	96	4	20
1,1-Dichloropropene	563-58-6	<5.00	5.00	50.0	49.7	99	72 - 131	50.0	51.9	104	4	30
1,2,3-Trichloropropane	96-18-4	<5.00	5.00	50.0	43.1	86	70 - 120	50.0	45.4	91	5	30
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	50.0	47.4	95	61 - 135	50.0	47.7	95	1	30
1,2,4-Trimethylbenzene	95-63-6	<5.00	5.00	50.0	46.6	93	74 - 125	50.0	47.4	95	2	30
1,2-Dibromo-3-chloropropane	96-12-8	<5.00	5.00	50.0	46.2	92	57 - 121	50.0	48.6	97	5	30
1,2-Dibromoethane	106-93-4	<5.00	5.00	50.0	46.6	93	70 - 124	50.0	47.8	96	3	30
1,2-Dichlorobenzene	95-50-1	<5.00	5.00	50.0	50.3	101	71 - 126	50.0	50.4	101	0	30
1,2-Dichloroethane	107-06-2	<5.00	5.00	50.0	45.6	91	71 - 129	50.0	45.5	91	0	30
1,2-Dichloroethene(Total)	540-59-0	<10.0	10.0	100	95.6	96	74 - 128	100	98.3	98	3	30
1,2-Dichloropropane	78-87-5	<5.00	5.00	50.0	46.9	94	72 - 128	50.0	47.3	95	1	30
1,3,5-Trimethylbenzene	108-67-8	<5.00	5.00	50.0	46.2	92	71 - 132	50.0	47.1	94	2	30
1,3-Dichlorobenzene	541-73-1	<5.00	5.00	50.0	50.3	101	74 - 126	50.0	51.4	103	2	30
1,3-Dichloropropane	142-28-9	<5.00	5.00	50.0	45.8	92	74 - 122	50.0	46.6	93	2	30
1,4-Dichlorobenzene	106-46-7	<5.00	5.00	50.0	48.7	97	72 - 122	50.0	49.7	99	2	30
2,2-Dichloropropane	594-20-7	<5.00	5.00	50.0	49.0	98	77 - 124	50.0	50.8	102	4	30
2-Butanone	78-93-3	<5.00	5.00	50.0	42.8	86	58 - 137	50.0	43.6	87	2	30
2-Chlorotoluene	95-49-8	<5.00	5.00	50.0	50.7	101	72 - 127	50.0	51.4	103	1	30
2-Hexanone	591-78-6	<5.00	5.00	50.0	42.1	84	50 - 135	50.0	47.5	95	12	30
4-Chlorotoluene	106-43-4	<5.00	5.00	50.0	51.5	103	75 - 126	50.0	51.7	103	0	30
4-Isopropyltoluene	99-87-6	<5.00	5.00	50.0	46.1	92	71 - 129	50.0	47.7	95	3	30
4-Methyl-2-pentanone	108-10-1	<5.00	5.00	50.0	43.2	86	57 - 132	50.0	47.5	95	9	30
Acetone	67-64-1	<5.00	5.00	50.0	43.9	88	44 - 156	50.0	46.7	93	6	30
Benzene	71-43-2	<5.00	5.00	50.0	47.6	95	70 - 129	50.0	49.3	99	4	20
Bromobenzene	108-86-1	<5.00	5.00	50.0	47.7	95	71 - 120	50.0	48.2	96	1	30
Bromochloromethane	74-97-5	<5.00	5.00	50.0	46.4	93	76 - 130	50.0	44.9	90	3	30
Bromodichloromethane	75-27-4	<5.00	5.00	50.0	48.2	96	74 - 125	50.0	49.1	98	2	30
Bromoform	75-25-2	<5.00	5.00	50.0	44.9	90	64 - 122	50.0	46.0	92	2	30

GC/MS Volatiles Quality Control Summary

Analytical Batch 544667		Client ID GCAL ID Sample Type Prep Date Analysis Date Matrix	MB544667 1378707 MB NA 11/07/2014 20:03 Water	LCS544667 1378708 LCS NA 11/07/2014 18:39 Water				LCSD544667 1378709 LCSD NA 11/07/2014 19:00 Water					
EPA 8260B			Units Result	ug/L LOQ	Spike Added	Result	%R	Control Limits%R	Spike Added	Result	%R	RPD	RPD Limit
Bromomethane	74-83-9		<5.00	5.00	50.0	49.1	98	47 - 138	50.0	53.4	107	8	30
Carbon disulfide	75-15-0		<5.00	5.00	50.0	49.0	98	69 - 136	50.0	50.8	102	4	30
Carbon tetrachloride	56-23-5		<5.00	5.00	50.0	49.0	98	76 - 128	50.0	52.5	105	7	30
Chlorobenzene	108-90-7		<5.00	5.00	50.0	46.1	92	74 - 123	50.0	47.6	95	3	20
Chloroethane	75-00-3		<5.00	5.00	50.0	45.6	91	62 - 141	50.0	47.2	94	3	30
Chloroform	67-66-3		<5.00	5.00	50.0	46.7	93	75 - 122	50.0	49.2	98	5	30
Chloromethane	74-87-3		<5.00	5.00	50.0	45.3	91	59 - 132	50.0	49.1	98	8	30
cis-1,2-Dichloroethene	156-59-2		<5.00	5.00	50.0	47.4	95	73 - 130	50.0	49.0	98	3	30
cis-1,3-Dichloropropene	10061-01-5		<5.00	5.00	50.0	49.1	98	71 - 132	50.0	50.5	101	3	30
Dibromochloromethane	124-48-1		<5.00	5.00	50.0	48.4	97	71 - 123	50.0	48.8	98	1	30
Dibromomethane	74-95-3		<5.00	5.00	50.0	46.5	93	72 - 129	50.0	48.1	96	3	30
Dichlorodifluoromethane	75-71-8		<5.00	5.00	50.0	49.0	98	58 - 140	50.0	52.7	105	7	30
Ethylbenzene	100-41-4		<5.00	5.00	50.0	51.0	102	74 - 126	50.0	53.7	107	5	30
Hexachlorobutadiene	87-68-3		<5.00	5.00	50.0	46.8	94	61 - 144	50.0	48.6	97	4	30
Isopropylbenzene (Cumene)	98-82-8		<5.00	5.00	50.0	45.8	92	71 - 125	50.0	47.6	95	4	30
m,p-Xylene	136777-61-2		<10.0	10.0	100	93.0	93	74 - 126	100	95.9	96	3	30
Methyl iodide	74-88-4		<5.00	5.00	50.0	50.1	100	57 - 141	50.0	53.8	108	7	30
Methylene chloride	75-09-2		<5.00	5.00	50.0	46.9	94	68 - 132	50.0	47.3	95	1	30
Naphthalene	91-20-3		<5.00	5.00	50.0	44.7	89	57 - 138	50.0	46.4	93	4	35
n-Butylbenzene	104-51-8		<5.00	5.00	50.0	47.2	94	69 - 134	50.0	48.0	96	2	30
n-Propylbenzene	103-65-1		<5.00	5.00	50.0	45.4	91	75 - 129	50.0	46.7	93	3	30
o-Xylene	95-47-6		<5.00	5.00	50.0	46.0	92	73 - 130	50.0	47.1	94	2	30
sec-Butylbenzene	135-98-8		<5.00	5.00	50.0	46.1	92	70 - 136	50.0	47.7	95	3	30
Styrene	100-42-5		<5.00	5.00	50.0	46.2	92	71 - 127	50.0	47.6	95	3	30
tert-Butyl methyl ether (MTBE)	1634-04-4		<5.00	5.00	50.0	45.3	91	71 - 125	50.0	45.8	92	1	30
tert-Butylbenzene	98-06-6		<5.00	5.00	50.0	46.3	93	72 - 126	50.0	47.2	94	2	30
Tetrachloroethene	127-18-4		<5.00	5.00	50.0	49.7	99	68 - 128	50.0	51.5	103	4	30
Toluene	108-88-3		<5.00	5.00	50.0	47.9	96	72 - 120	50.0	49.3	99	3	20
trans-1,2-Dichloroethene	156-60-5		<5.00	5.00	50.0	48.2	96	69 - 132	50.0	49.3	99	2	30
trans-1,3-Dichloropropene	10061-02-6		<5.00	5.00	50.0	49.9	100	71 - 131	50.0	50.4	101	1	30
trans-1,4-Dichloro-2-butene	110-57-6		<5.00	5.00	50.0	44.7	89	56 - 132	50.0	45.7	91	2	30
Trichloroethene	79-01-6		<5.00	5.00	50.0	50.1	100	76 - 129	50.0	51.0	102	2	20
Trichlorofluoromethane	75-69-4		<5.00	5.00	50.0	48.6	97	72 - 136	50.0	51.4	103	6	30
Trichlorotrifluoroethane	76-13-1		<5.00	5.00	50.0	48.5	97	72 - 136	50.0	50.0	100	3	30
Vinyl acetate	108-05-4		<5.00	5.00	50.0	44.6	89	54 - 147	50.0	44.0	88	1	30
Vinyl chloride	75-01-4		<5.00	5.00	50.0	48.7	97	68 - 132	50.0	51.5	103	6	30
Xylene (total)	1330-20-7		<15.0	15.0	150	139	93	74 - 127	150	143	95	3	30
Surrogate													
1,2-Dichloroethane-d4	17060-07-0		49.7	99	50	48.4	97	71 - 127	50	48.7	97	1	NA
4-Bromofluorobenzene	460-00-4		49.2	98	50	51.2	102	78 - 130	50	51.1	102	0	NA
Dibromofluoromethane	1868-53-7		50.2	100	50	49.3	99	77 - 127	50	47.6	95	4	NA
Toluene d8	2037-26-5		52.5	105	50	48.9	98	76 - 134	50	48.3	97	1	NA



7979 GSRI Ave., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

CHAIN OF CUSTODY RECORD

Client ID: 4447 - ENVIRON International Corp

SDG: 214110331

Due Date: 11/07/14



Report to:					Bill to:					Analytical Requests & Method										GCAL use only:			
Client: <u>Environ</u>					Client: <u>Same as other side</u>															Custody Seal			
Address: <u>1600 Parkwood Circle S.310</u>					Address: _____															used ☒ yes ☐ no			
Contact: <u>Keith Cole</u>					Contact: _____															intact ☒ yes ☐ no			
Phone: <u>404.354.2950</u>					Phone: _____															Temperature °C <u>3.9 E24</u>			
E-mail: <u>kcole@environcorp.com</u>					E-mail: _____																		
P.O. Number		Project Name/Number								VOCs										☐ Dissolved Analysis Requested			
		<u>CCHT, Conyers GA</u>																		☐ Field filtered			
Sampled By: <u>Rob Patchett and Heather Thompson</u>																						☐ Lab filtered	
Matrix¹	Date	Time (2400)	Comp	Grab	Sample Description	No Containers											Preservative						
GW	10/30	1050		G	MW-6 20141030	3											1						
		1105			MW-8R 20141030												2						
		1445			MW-12 20141030												3						
		1155			MW-14 20141030												4						
		1235			MW-15 20141030												5						
		1030			MW-18 20141030												6						
		1505			MW-19 20141030												7						
		1635			MW-19LF 20141030												8						
		1215			MW-20 20141030												9						
		1455			MW-21 20141030												10						
		1605			MW-21LF 20141030												11						
		1300			MW-23 20141030												12						
↓	↓	1205		↓	MW-24 20141030	↓											13						
Air Bill No: <u>7716 9794 6431</u>																							
Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)																							
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Note: <u>only use vile 3 from mw-19LF if necessary</u>											
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:													
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:													
Fedex		11/1/14		0945		Fedex		11/1/14		0945		By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.											
Matrix¹: W = water, S = solid, L = liquid, T = tissue																							
*Requires prior approval, rush charges may apply.																							
We cannot accept verbal changes. Please email written changes to your PM.																							

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT



CHAIN OF CUSTODY RECORD

7979 GSRI Ave., Baton Rouge, LA 70820-7402
Phone: 225.769.4900 • Fax: 225.767.5717 • www.gcal.com

Client ID: 4447 - ENVIRON International Corp

SDG: 214110331

Due Date: 11/07/14



Report to:					Bill to:					Analytical Requests & Method										GCAL use only:			
Client: <u>ENVIRON</u>					Client: <u>same as other side</u>															Custody Seal			
Address: <u>1600 Parkwood Circle S. 310</u>					Address: _____															used ☒ yes ☐ no			
Contact: <u>Keith Cole</u>					Contact: _____															intact ☒ yes ☐ no			
Phone: <u>404.354.2950</u>					Phone: _____															Temperature °C _____			
E-mail: <u>K. Cole@environcorp.com</u>					E-mail: _____																		
P.O. Number		Project Name/Number																		☐ Dissolved Analysis Requested			
		<u>CCHT, Conyers, GA</u>																		☐ Field filtered			
																				☐ Lab filtered			
Sampled By:																							
<u>Rob Patchett and Heather Thompson</u>																							
Matrix¹	Date	Time (2400)	Comp	Grab	Sample Description	No Containers											Preservative						
GW	10/30/14	1420		G	mw-25D 20141030	3											14						
		1040			mw-26D 20141030												15						
		1245			mw-27D 20141030												16						
		1200			DUP-01 20141030												17						
↓	↓	1200		↓	DUP-02 20141030	↓											18						
					Trip Blank	1											19						
					Temp Blank	1											20						
Air Bill No:																							
Turn Around Time (Business Days): ☐ 24h* ☐ 48h* ☐ 3 days* ☐ 1 week* ☒ Standard (Per Contract/Quote)																							
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Note:											
<u>Rob Patchett</u>		10/30/14		0730		<u>David Graham</u>		10/31/14		0730													
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:													
<u>David Graham</u>						<u>David Graham</u>																	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:													
<u>David Graham</u>		11/1/14		0945		<u>Allison Taggart</u>		11/1/14		0945													
By submitting these samples, you agree to GCAL's terms and conditions contained in our most recent schedule of services.																							

WHITE: CLIENT FINAL REPORT - CANARY: CLIENT



SAMPLE RECEIVING CHECKLIST



SAMPLE DELIVERY GROUP 214110331			CHECKLIST	YES	NO	NA
Client 4447 - ENVIRON International Corp	Transport Method FEDEX		Were all samples received using proper thermal preservation?	☒	☐	☐
			When used, were all custody seals intact?	☒	☐	☐
			Were all samples received in proper containers?	☒	☐	☐
Profile Number 229430	Received By Saucier, Charlotte M.		Were all samples received using proper chemical preservation?	☒	☐	☐
			Was preservative added to any container at the lab?	☐	☒	☐
Line Item(s) 1 - Waters	Receive Date(s) 11/01/14		Were all containers received in good condition?	☒	☐	☐
			Were all VOA vials received with no head space?	☒	☐	☐
			Do all sample labels match the Chain of Custody?	☒	☐	☐
			Did the Chain of Custody list the sampling technician?	☒	☐	☐
			Was the COC maintained i.e. all signatures, dates and time of receipt included?	☒	☒ SAK	☐
COOLERS			DISCREPANCIES	LAB PRESERVATIONS		
Airbill	Thermometer ID: E24	Temp(°C)	None	None		
7716 9794 6431		3.9				
NOTES						

Revision 1.4

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