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

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Name of Document:	Volunteer Remediation Program Progress Report 5
Date of Document:	October 5, 2018
Site Name:	C&D Technologies, 1835 Rockdale Industrial Blvd, Conyers, Georgia
Site ID Number:	HSI#10734

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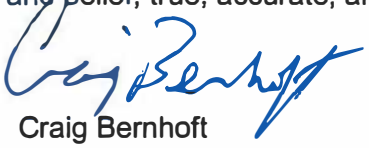
Signature: 

Name (printed): Craig Bernhoft

Date: 10/5/2018

Organization: AECOM

Phone: 615-771-2480

Email: Craig.bernhoft@aecom.com

Receipt Date
(for EPD use only)

C&D TECHNOLOGIES, INC.
Power Solutions

1400 Union Meeting Road
P.O. Box 3053
Blue Bell, PA 19422-0858
Telephone +1 (215) 619-270

October 5, 2018

Jason Metzger, Program Manager, Response and Remediation Program
Georgia Department of Natural Resources
Environmental Protection Division – Response and Remediation Program
2 Martin Luther King Drive, S.E., Suite 1054 East
Atlanta, GA 30334

Dear Mr. Metzger;

Re: Voluntary Remediation Program Progress Report No. 5
C & D Technologies, Inc.
Conyers, Rockdale County, Georgia
HIS No. 10734
Tax Parcel ID No. 0220010023

Attached is the C&D Conyers Volunteer Remediation Program Progress Report No. 5 for your review and approval.

Please contact me at 215-900-7745 should you require any additional information or have any questions.

Sincerely yours,

Walter E. Kozlowski
Director – Environment, Health, & Safety

Cc: Scott Morris – VP Global EHS

AECOM

Volunteer Remediation Program Semi-Annual Groundwater Monitoring Progress Report 5

C&D Technologies, Inc.
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia

October 2018

Prepared for:

C&D Technologies, Inc.
1400 Union Meeting Road
Blue Bell, Pennsylvania 19422

Prepared by:

AECOM
1000 Corporate Centre Drive, Ste. 250
Franklin, TN 37067
aecom.com

CERTIFICATION

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

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

Craig A. Bernhoft, P.G. / No. 1966

Printed Name and GA PE/PG Number

10-5-2018

Date

Signature and Stamp

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1. Introduction

The C&D Technologies, Inc. (C&D) site is located at 1835 Rockdale Industrial Boulevard in Conyers, Rockdale County, Georgia (the site) (see **Figure 1**). The C&D Facility has been listed on the Georgia Hazardous Site Inventory (HSI) Number 10734 as a facility that has a known release in groundwater at levels exceeding the reportable quantity. Chlorinated volatile organic compounds (VOCs) trichloroethene (TCE), tetrachloroethene (PCE), cis-1,2-dichloroethene (cis-DCE), and lead have been detected in groundwater samples at concentrations exceeding the Georgia Hazardous Site Response Act (HSRA) Type 1/3 Risk Reduction Standards (RRS). C&D has performed groundwater remediation activities at the site since 2006.

C&D submitted a Voluntary Remediation Program (VRP) application in September 2015 to the Georgia Environmental Protection Division (GAEPD) that was approved by a GAEPD letter dated December 23, 2015. The first semi-annual progress report was submitted to the GAEPD in June 2016. This report summarizes the field activities and findings of the fifth semiannual groundwater monitoring event conducted in March 2018.

2. Site Background

C&D previously manufactured lead-acid batteries for over 35 years at the site. Manufacturing operations ceased in 2007. Located on 8.27 acres in a commercial/industrial area, the C&D facility is no longer active and the former manufacturing buildings have been razed. A site map of the facility and nearby properties is presented on **Figure 2**.

2.1 Historic Activities

C&D has conducted several assessments of impacted groundwater at the site. Previous groundwater sampling data indicate that TCE and PCE concentrations exceeding the Georgia HSRA Type 1/3 RRS (5 µg/L) extend north and northeast in the apparent direction of the groundwater flow from the high concentration area (MW-5) located on the site onto the central portions of the Pattillo and Latex properties. Analytical data of groundwater samples collected from monitoring wells installed along the east and northeastern Pattillo property boundary indicate TCE and PCE concentrations below the Type 1/3 RRS. TCE concentrations in groundwater samples collected from the northernmost monitoring well installed on the Pattillo property were slightly above the Type 1/3 RRS. PCE concentrations from this same location are below the Type 1/3 RRS.

Based on a groundwater remediation design prepared by RMT (2006), chemical additives were injected into groundwater to elevate pH, promote lead precipitation, and support reductive dechlorination within the source area and support enhanced natural degradation processes within the downgradient plume. Results of the pilot testing indicated that, while the bioremediation and/or enhanced natural degradation processes could be accelerated in the downgradient plume (INJ-2), subsurface distribution challenges in the source area required additional testing.

In 2007, monitoring wells were installed on the Robert Pattillo property by Dobbs Environmental that indicated groundwater beneath the Pattillo property may have been impacted by TCE and PCE. Additional groundwater investigation sampling in October 2008 indicate PCE-, TCE-, and/or cis-DCE-impacted groundwater is present in the overburden and the shallow bedrock, but not present in the deep monitoring well (MW-14, 100 feet below ground surface [bgs]) located within the plume.

Groundwater delineation activities completed in 2009 and 2010 included installing and sampling additional monitoring wells on the C&D property, and the Pattillo, Pittman Construction, Latex, and Frey-Moss Structures properties (**Figure 2**). These investigation activities focused primarily on the source area, currently defined as MW-5 and MW-5D.

A Phase I in-situ chemical reduction (ISCR) field-scale injection event on the source area was conducted in late January 2012. Performance monitoring events were conducted and the findings indicated the ISCR influenced some portions of the treatment zone although full scale application by direct injection in the source zone, would not be effective due to geochemical complexities and difficult lithology. The difficulty of injecting via rotary drilling and/or direct push drilling suggests source-zone treatment similar to the ISCR injection is not a technically feasible approach.

The status was further discussed in a project status review meeting held at GAEPD on June 29, 2015. During the meeting it was agreed that the application should be submitted based on the subsurface conditions and potential technical impracticability of achieving the HSRA Type 1/3 RRS. The C&D facility was accepted into the Georgia VRP in December 2015. The initial semiannual groundwater event was completed in February and March 2016 and it included site-wide sampling. Based on the results of the 2016 groundwater events and subsequent 2017 semi-annual sampling events, AECOM proposed collecting groundwater samples from select

wells for the March 2018 semiannual sampling event. Wells located within the highest TCE concentration area (CD-01, MW-1, MW-2, MW-3, MW-5, MW-5D, MW-8 SBR, MW-17, MW-19, MW-20, MW-24 SBR, MW-29 SBR, MW-30 SBR, MW-36 SBR, MW-37 SBR, MW-38 SBR, OBS-8) were selected for sampling.

2.2 Site Geology and Hydrogeology

The site is located in the Piedmont physiographic province. The facility is underlain by granite plutons and other metamorphic and igneous rocks that have been subject to geologic erosion and generally are deeply weathered. The weathering has resulted in a relatively thick layer of saprolite (unconsolidated, weathered rock) and soil beneath the ground surface. The area around the subject property is underlain by undifferentiated granitic gneiss. The depth to competent bedrock varies from less than 1 foot near the main former manufacturing building to greater than 90 feet to the north of the facility.

Groundwater beneath the facility is shallow, ranging from approximately 10 to 40 feet bgs (**Table 1**), and predominantly flows to the north-northeast (**Figure 3**). Shallow groundwater occurs in an unconfined aquifer made up of potentially interconnected water-bearing zones: a shallow zone of soil and weathered rock and a deeper zone of fractured bedrock. These fractures contribute to the complexities of groundwater flow in the area. A map showing the apparent bedrock surface across the site is shown on **Figure 6**.

Slug tests indicate that the hydraulic conductivity of the shallow water-bearing unit varies between 10^{-3} and 10^{-5} cm/sec. The groundwater flow direction from the impacted suspected source area is generally to the north and northeast with a hydraulic gradient of 0.025 ft/ft (S&ME 2008). A map showing the groundwater potentiometric surface contours and flow direction based on groundwater elevations for the shallow aquifer during the March 2018 groundwater sampling event is included as **Figure 3**.

Aquifer tests have indicated that the shallow regolith and bedrock zones are hydraulically separated in the Conyers area based on the lack of interconnectivity of the deep bedrock system to the shallow water table zone in the weathered regolith.

3. Potential Receptors and Exposure Pathways

3.1 Conceptual Model

A Voluntary Remediation Program Application including a Preliminary Remediation Plan and Conceptual Site Model for the Site was prepared and submitted to GA EPD on September 14, 2015. GA EPD approved the application was submitted in lieu of continuing groundwater remediation as detailed in the Corrective Action Work Plan Addendum dated October 12, 2011 and revised January 9, 2012. GA EPD approved the application on December 23, 2015.

3.2 Fate and Transport Model

The source of drinking water for Rockdale County is located in an area of "Low Groundwater Pollution Susceptibility." Site characterization activities identified deep bedrock water-bearing fracture zones in the Conyers area at approximately 400 feet bgs. Agency records did not identify the presence of active public water wells within a 3.0-mile radius of the site located in the deep water bearing fractures. Any wells located within the deep fracture zone would not receive a substantial amount of recharge directly from the overlying shallow water table, or recharge from the shallow water zone to the deep zone. The implementation of the Voluntary Remediation Plan included developing groundwater fate and transport modeling based on the updated site-wide groundwater sampling as needed to support the delineation compliance with Risk Reduction Standards. Access was obtained for collecting the downgradient data from the wells located on the Pittman construction Company Property which had not been previously sampled per GAEPD's request.

BIOCHLOR is used to simulate natural attenuation process at the site. BIOCHOLOR is a model that simulates remediation by natural attenuation of dissolved solvents at chlorinated solvent release site. Analytical data in 2016, 2017 and 2018 at the site were used along with the downgradient well data to calibrate the model. The selected model type used is solute transport with biotransformation modeled as sequential first-order decay process. The model simulates the TCE concentrations at the site in 2038, 2058, 2068 and 2078.

Predictive modeling in fractured rock settings is difficult and is best suited to assisting the modeler in understanding various outcomes that may happen, rather than a definitive prediction of what will happen. The modelling calibration curves, inputs and results are provided in **Appendix A**. Based on the modelling results, the TCE plume with concentrations exceeding the Type 3 RRS would extend to approximately 1600 feet down gradient from source area wells in the year 2038. TCE concentration at the location 640 feet downgradient from source area will be in compliance with Type 3 RRS by 2058. TCE concentration at the location 320 feet downgradient from source area will be in compliance with Type 3 RRS by 2068. TCE concentration in source area will be in compliance with Type RRS by 2078.

Applying a model requires simplifying the modeled setting by applying average input properties over some scale (such as site-wide) or identifying and simulating key major parameters in a more exact context (such as significant transmissive fractures). While most models incorporate simplified representations relative to the actual site complexity, they can be used to qualitatively or quantitatively evaluate site conditions or support remedial or corrective actions. It should be noted that the BIOCHLOR model has limitations. The model assumes simple groundwater flow conditions, a uniform constant source, and constant hydrogeological and biological property values for the entire model area. Therefore, the model inherently simplifies actual site

conditions. The model can be recalibrated and updated as necessary as more analytical data and site information become available.

3.3 Vapor Intrusion Evaluation

On April 4, 2018, AECOM submitted a vapor intrusion evaluation per EPD's request which was included in the Volunteer Remediation Program Semi-Annual Groundwater Monitoring Progress Report 4. Although the results of the vapor intrusion evaluation concluded the maximum TCE concentrations detected in the selected monitoring wells exceeded both the carcinogenic and non-carcinogenic target risk levels based on the groundwater concentrations used for model from the monitoring well locations, it is not likely that vapor intrusion from groundwater to indoor air is a concern based on historic depths to groundwater, the groundwater flow pathway, and that currently there are no occupied structures present over the contaminant plume. Based on current site conditions, the vapor intrusion pathway is considered incomplete. The primary site building present on C&D property has been razed and there are currently no know plans for construction of additional site structures.

4. Semi-Annual Groundwater Monitoring

For the March 2018 groundwater monitoring event 17 of the existing site-wide wells were targeted for groundwater sample collection. The sampling methodology and results for the sampling event are presented in the following subsections.

4.1 March 2018 Semi-Annual Groundwater Monitoring Event

Groundwater samples were collected on March 7th and 8th, 2018 from the groundwater wells located on the C&D property and surrounding properties (CD-01, MW-1, MW-2, MW-3, MW-5, MW-5D, MW-8 SBR, MW-17, MW-19, MW-20, MW-24 SBR, MW-29 SBR, MW-30 SBR, MW-36 SBR, MW-37 SBR, MW-38 SBR, and OBS-8). The groundwater monitoring well locations are depicted on **Figure 2**. The collected groundwater samples from the wells were analyzed for VOCs using United States Environmental Protection Agency (USEPA) Method 8260B and/or lead using USEPA Method 6020A. Two duplicate samples were collected for quality assurance and quality control (QA/QC). One matrix spike/matrix spike duplicate was also collected for QA/QC purposes. A trip blank was provided by the laboratory.

4.1.1 Groundwater Gauging and Sampling Protocol

Monitoring wells were gauged and sampled in general accordance with the USEPA Region 4 Field Branches Quality System and Technical Procedures. Each monitoring well was opened and the groundwater and atmospheric pressure were allowed to equilibrate. Groundwater level measurements were recorded using an electronic water level indicator. Groundwater levels were recorded to the nearest 0.01 foot as measured from the water table to the well's top of casing (TOC). The depth to water was subtracted from the known TOC elevation (feet mean sea level) to calculate the groundwater elevation at each well location for potentiometric purposes. Consistent with the previous groundwater sampling events, monitoring well CD-02 has not been located due to off site area renovations.

Groundwater samples were collected from monitoring wells CD-01, MW-1, MW-2, MW-3, MW-5, MW-5D, MW-8 SBR, MW-17, MW-19, MW-20, MW-24 SBR, MW-29 SBR, MW-30 SBR, MW-36 SBR, MW-37 SBR, MW-38 SBR, and observation well OBS-8 using a peristaltic pump equipped with dedicated Teflon-line tubing. A stainless steel bladder pump equipped with a disposable Teflon bladder and dedicated Teflon-lined, low density polyethylene tubing was used to collect groundwater samples from MW-17. During purging and sampling, the bladder pump was placed in the middle of the screened interval. Each monitoring well was purged and sampled using the low flow/low purge method as outlined in Section 3.2.1 of the USEPA Region 4 Science and Ecosystem Support Division (SESD) Groundwater Sampling Operating Procedure dated April 26, 2017. For locations where the peristaltic pump was used for collection of groundwater samples for VOC analysis, a reverse-flow technique was used for sample collection. For well locations with slow recharge (i.e., three to five volume purge method and the low flow/low purge method cannot be completed), the well was purged dry and a groundwater sample was collected as soon as sufficient recharge water was present to collect a sample.

Water quality parameters including temperature, pH, conductivity, oxidation-reduction potential, dissolved oxygen (DO), and turbidity were recorded during groundwater purging activities. The water quality parameters were recorded in the field using a YSI Pro water quality meter equipped with a flow-through cell and recorded on the groundwater sampling logs at each monitoring well location. Water quality measurements were recorded in 5-minute intervals until the parameters stabilized. Samples were collected in accordance with USEPA SESD parameter stabilization criteria i.e., pH remained constant within 0.1 standard unit, specific conductance varied no more than 5 percent, DO was below 0.2 mg/L or 10 percent change in saturation, and turbidity stabilized or was 10 nephelometric turbidity units (NTUs) for three consecutive

readings. Upon stabilization, groundwater samples were transferred to the appropriate laboratory supplied sample containers. Refer to **Appendix B** for the groundwater sampling field logs.

4.1.2 Groundwater Sample Handling

Groundwater samples were collected in new, laboratory supplied pre-preserved 40-milliliter glass vials and/or 250-milliliter polyethylene containers. The sample containers for each monitoring well were handled using new, disposable nitrile gloves. Groundwater samples were labeled and placed on wet ice in general accordance with AECOM standard chain-of-custody protocol prior to being picked up by a Test America Laboratories (TA) courier. The TA courier subsequently packaged and shipped the groundwater samples to TA's Nashville, Tennessee, location for chemical analysis.

4.1.3 Ancillary Field Activities

Following sampling, purge water was contained in one steel 55-gallon drum. Sampling equipment including the electronic water level meters were decontaminated prior to initial use and after being used at each monitoring well with a Liquinox® and distilled water mixture and a distilled water rinse.

AECOM performed a site reconnaissance to verify site and surrounding area water supply and contacted the Rockdale County Water Resources and GAEPD Georgia Open Records Act District Offices to determine the location and availability of a water source and obtain rough estimates of cost for supplying water. Water resource management is handled by Rockdale County. Water is available at the site and a water main runs down the center of Sigman Road. Rockdale County Water Resources would be the entity that would perform any necessary water main tie-in and would provide the meter (at the ROW on Sigman), any additional needed piping or installations would be independently contracted. The cost for Rockdale County to provide a water meter and to tie-in to the water main is dependent on the size of the meter that would be required. The range in prices for smaller meters (5/8" to 2") is estimated to range from $2,580 to $14,220. Pricing for connection above a 2" meter will require specific coordination and planning with the Rockdale Water Resources Engineer. Installation of fire lines or irrigation lines would be a separate cost.

4.2 Groundwater Flow Direction

Depth to groundwater was measured during the March 2018 monitoring event as described in Section 4.1.1. The measurements were used to calculate the elevation of the water table at each monitoring well location. Depth to groundwater measurements and corresponding groundwater elevations recorded during the March 2018 groundwater sampling event, as well as previous events, are presented in **Table 2**. A groundwater potentiometric map using the March 2018 groundwater elevation data is presented on **Figure 3**. Consistent with previous groundwater sampling events, the apparent groundwater flow direction at the site is to the north-northeast.

4.3 Analytical Results

Current and historical analytical data are summarized in **Table 2**. For evaluation, the analytical data were compared with the Type 1/3 RRS screening levels. The complete TA laboratory report, along with the chain-of-custody documentation, is included in **Appendix C**. Analytical data were reviewed by an AECOM chemist for QA purposes. The data validation report is included as **Appendix D**.

Laboratory analytical results indicated TCE concentrations above the Georgia HSRA Type 1/3 RRS (5 mg/L) in the groundwater samples collected from monitoring wells MW-1, MW-3, MW-5 and MW-5D, MW-8 SBR, MW-24 SBR, MW-29 SBR, MW-36 SBR, MW-37 SBR, MW-38 SBR, and OBS-8. PCE concentrations exceeded the Type 1/3 RRS (5 mg/L) in monitoring well MW-29 SBR. Lead concentrations exceeded the Type 1/3 RRS (0.015 mg/L) in monitoring wells CD-01, MW-5D, MW-19, and MW-20 (see **Figures 4** and **5**).

The highest concentrations of TCE were detected at monitoring wells MW-5 and MW-5D. TCE concentrations decrease in all directions away from the source area wells (MW-5 and MW-5D). Refer to **Figure 4** for a TCE concentration isopleth map. The detected lead concentrations are presented in **Figure 5** along with the projected lead concentration isopleth map. **Figure 7** and **Figure 8** present a cross-section view of the concentrations detected along with the water levels within the bedrock and overburdened wells at the site.

5. Summary and Future Groundwater Monitoring

The C&D Rockdale Industrial Boulevard facility was accepted into the Georgia VRP in December 2015. Five semiannual groundwater sampling events have been completed at the facility since entering the VRP. Semiannual groundwater sampling events were previously completed in February/March 2016, September 2016, March 2017, and September 2017. The groundwater sampling activities to date indicate the following:

- TCE concentrations above the Type 1/3 RRS (5 mg/L) were detected in 11 monitoring wells (MW-1, MW-3, MW-5, MW-5D, MW-8 SBR, MW-24 SBR, MW-29 SBR, MW-36 SBR, MW-37 SBR, MW-38 SBR and OBS-8).
- PCE concentrations slightly above the Type 1/3 RRS (5 mg/L) have been detected in one of the wells sampled (MW-29 SBR).
- Lead concentrations exceeding the Type 1/3 RRS (0.015 mg/L) have been detected in four of the wells sampled (CD-01, MW-5D, MW-19 and MW-20).
- TCE and PCE concentrations have remained consistent with historical concentrations in the source area (MW-5 and MW-5D) and in downgradient monitoring wells on the Latex property and are non-detect on the downgradient Pitman Construction property (MW-16 and MW-27 SBR) as observed in previous sampling events.
- The concentrations in groundwater have been delineated and the concentration isopleth boundary is unchanged from the previous sampling events.

TCE and PCE concentrations decrease significantly as groundwater flows to the north away from the source area, as indicated by the TCE concentration isopleths shown on **Figure 4**.

As stated in the VRP schedule, the final semiannual groundwater monitoring event is scheduled for October 2018. C&D proposes to sample the select wells located within the delineated area of impacted groundwater (see **Figure 4**). The proposed wells include wells MW-1, MW-3, MW-5, MW-5D, DMW-2D, MW-21 DBR, MW-8 SBR, MW-10, MW-17, MW-20, MW-28 DBR, MW-29 SBR, MW-30 SBR, MW-36 SBR, MW-37 SBR, MW-38 SBR, and OBS-8. The sampling schedule is provided in the Gantt chart in **Appendix E**.

The results of the completed additional groundwater sampling events (first through fifth semi-annual events), the exposure assessment and receptor survey activities, the vapor intrusion evaluation and the fate and transport modeling results were used to develop the updated conceptual site model based on the complete delineation of the release of contaminants of concern. A draft Uniform Environmental Covenant (UEC) for the properties will be presented in the VRP CSR based on the data and information collected to date.

6. References

AECOM, 2018 Volunteer Remediation Program Semi-Annual Groundwater Monitoring Progress Report 4, C&D Technologies, Inc. 1835 Rockdale Industrial Boulevard, Conyers, Rockdale County, Georgia. April 2018.

RMT, Inc. 2006. Impacted Groundwater Remedy Design, C&D Technologies, Inc. Conyers, Georgia. September 2006.

S&ME. 2008. Soil Remediation Update, C&D Technologies, 1835 Rockdale Industrial Blvd., Conyers, Rockdale County, Georgia, GA EPD HSI No. 108334. June 2008.

USEPA. 2017. USEPA Region 4 Science and Ecosystem Support Division (SESD) Groundwater Sampling Operating Procedure. SESDPROC-301-R4. April 26, 2017.

Tables

Table 1
Groundwater Elevation Data

C&D Technologies
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia
HSI No. 10734

Monitor Well ID	TOC Elevation (ft msl)	October 13 & 14, 2008		February 23, 2009		6/16/2009		10/18/2010		1/19/2012		2/29/2016 & 3/1/2016		9/19/2016 & 9/20/2016		3/28/2017 and 3/29/2017		9/26/2017		3/6/2018	
		Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
MW-38 SBR	923.207	NM	NM	NM	NM	NM	NM	14.36	908.85	16.72	906.49	6.01	917.20	14.13	909.08	13.00	910.21	12.44	910.77	11.25	911.96
MW-37 SBR	927.71	NM	NM	NM	NM	NM	NM	16.18	911.53	18.71	909	6.66	921.05	15.55	912.16	14.65	913.06	13.28	914.43	11.28	916.43
MW-36 SBR	922.89	NM	NM	NM	NM	NM	NM	18.25	904.64	11.40	911.49	5.85	917.04	18.74	904.15	16.91	905.98	16.19	906.70	12.75	910.14
MW-35 SBR	905.61	NM	NM	NM	NM	8.63	896.98	15.30	890.31	15.52	890.09	8.79	896.82	15.35	890.26	13.55	892.06	13.97	891.64	13.80	891.81
MW-34 SBR	904.56	NM	NM	NM	NM	25.62	878.94	29.05	875.51	NM	NM	25.07	879.49	29.12	875.44	27.95	876.61	28.61	875.95	27.57	876.99
MW-33 SBR	926.88	NM	NM	NM	NM	21.28	905.60	12.11	914.77	NM	NM	9.93	916.95	17.07	909.81	16.91	909.97	15.72	911.16	15.15	911.73
MW-32 SBR	931.63	NM	NM	NM	NM	10.88	920.75	14.79	916.84	NM	NM	7.89	923.74	11.90	919.73	10.36	921.27	11.82	919.81	9.22	922.41
MW-30 SBR	926.99	NM	NM	NM	NM	5.14	921.85	6.41	920.58	NM	NM	3.77	923.22	6.10	920.89	5.40	921.59	5.14	921.85	4.29	922.70
MW-29 SBR	928.49	NM	NM	NM	NM	6.05	922.44	7.31	921.18	6.89	921.6	5.15	923.34	7.31	921.18	6.59	921.90	5.90	922.59	5.71	922.78
MW-28 DBR	884.8	NM	NM	NM	NM	4.18	880.62	5.95	878.85	8.67	876.13	5.92	878.88	8.44	876.36	7.98	876.82	10.28	874.52	7.43	877.37
MW-28 SBR	887.52	NM	NM	NM	NM	6.57	880.95	7.75	879.77	11.45	876.07	6.67	880.85	10.63	876.89	10.85	876.67	13.24	874.28	10.31	877.21
MW-27 SBR	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.89	NM	8.62	NM	6.56	NM
MW-26 SBR	913.8	NM	NM	NM	NM	13.11	900.69	17.15	896.65	17.34	896.46	8.62	905.18	17.30	896.50	15.86	897.94	15.61	898.19	13.53	900.27
MW-25 SBR	924.88	NM	NM	NM	NM	18.17	906.71	23.68	901.20	24.38	900.5	13.46	911.42	23.74	901.14	22.04	902.84	21.97	902.91	19.44	905.44
MW-24 SBR	929.32	NM	NM	6.33	922.99	4.85	924.47	6.62	922.70	6.48	922.84	3.17	926.15	5.70	923.62	4.79	924.53	4.32	925.00	3.60	925.72
MW-11 SBR	927.74	NM	NM	16.35	911.39	13.90	913.84	18.55	909.19	20.38	907.36	8.68	919.06	18.54	909.20	16.35	911.39	16.67	911.07	13.65	914.09
MW-23 SBR	927	NM	NM	23.60	903.40	17.47	909.53	26.76	900.24	25.12	901.88	11.98	915.02	23.75	903.25	22.26	904.74	21.41	905.59	19.05	907.95
MW-22 SBR	910.14	NM	NM	17.61	892.53	9.97	900.17	17.32	892.82	19.85	890.29	6.40	903.74	17.75	892.39	15.49	894.65	14.65	895.49	11.71	898.43
MW-21 DBR	908.8	NM	NM	19.56	889.24	13.16	895.64	19.51	889.29	22.33	886.47	9.33	899.47	NM	NM	17.82	890.98	17.17	891.63	13.98	894.82
MW-7 SBR	915.14	NM	NM	25.02	890.12	17.51	897.63	24.51	890.63	28.10	887.04	13.50	901.64	25.05	890.09	23.65	891.49	22.56	892.58	19.23	895.91
MW-8 SBR	913.58	NM	NM	14.21	899.37	11.48	902.10	14.43	899.15	14.98	898.6	9.30	904.28	15.95	897.63	13.91	899.67	14.26	899.32	12.47	901.11
MW-9 SBR	921.5	NM	NM	10.15	911.35	11.61	909.89	13.69	907.81	13.83	907.67	10.07	911.43	14.06	907.44	13.97	907.53	13.36	908.14	12.52	908.98
C&D-01	933.27	Dry	Dry	7.91	925.36	6.31	926.96	9.15	924.12	6.44	926.83	2.26	931.01	7.90	925.37	4.81	928.46	5.48	927.79	2.26	931.01
C&D-02	931.17	NM	NM	NM	NM	NM	NM	6.05	925.12	3.72	927.45	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
C&D-03	933.39	10.81	922.58	8.72	924.67	6.83	926.56	10.12	923.27	8.43	924.96	2.52	930.87	8.04	925.35	5.54	927.85	4.92	928.47	4.25	929.14
MW-01	916.4	NM	NM	13.74	902.66	8.94	907.46	14.12	902.28	14.90	901.5	6.10	910.30	NM	NM	NM	NM	12.96	903.44	11.41	904.99
MW-02	932.15	16.00	916.15	13.72	918.43	10.50	921.65	15.73	916.42	14.00	918.15	6.49	925.66	14.55	917.60	10.70	921.45	11.26	920.89	8.46	923.69
MW-03	927.73	NM	NM	15.24	912.49	9.45	918.28	16.61	911.12	18.98	908.75	5.13	922.60	15.45	912.28	11.12	916.61	11.57	916.16	7.61	920.12
MW-04	932.08	10.75	921.33	9.11	922.97	NM	NM	9.78	922.30	9.10	922.98	5.14	926.94	8.77	923.31	7.68	924.40	7.20	924.88	6.35	925.73
MW-05	931.73	11.74	919.99	9.19	922.54	6.80	924.93	10.97	920.76	9.15	922.58	2.53	929.20	9.40	922.33	5.75	925.98	6.45	925.28	4.76	926.97
MW-5D	932.04	13.08	918.96	10.10	921.94	7.76	924.28	12.06	919.98	9.96	922.08	3.38	928.66	10.44	921.60	6.87	925.17	7.58	924.46	7.10	924.94
MW-06	931.5	15.08	916.42	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
MW-07	914.91	Dry	Dry	Dry	Dry	17.41	897.50	19.86	895.05	19.85	895.06	13.21	901.70	19.84	895.07	28.10	886.81	19.92	894.99	18.91	896.00
MW-08	913.66	16.19	897.47	13.37	900.29	10.41	903.25	14.50	899.16	14.10	899.56	8.31	905.35	14.73	898.93	11.15	902.51	NM	NM	NM	NM
MW-09	920.94	NM	NM	13.35	907.59	11.21	909.73	13.25	907.69	13.38	907.56	9.70	911.24	13.62	907.32	13.02	907.92	12.92	908.02	12.12	908.82
MW-10	922.96	21.42	901.54	20.15	902.81	13.47	909.49	20.58	902.38	22.78	900.18	8.77	914.19	21.25	901.71	19.35	903.61	18.57	904.39	15.59	907.37
MW-11	927.54	NM	NM	19.23	908.31	13.80	913.74	18.66	908.88	20.64	906.9	8.19	919.35	NM	NM	16.61	910.93	16.41	911.13	14.01	913.53
MW-12	934.1	13.55	920.55	11.66	922.44	8.82	925.28	11.86	922.24	12.47	921.63	6.61	927.49	11.19	922.91	9.44	924.66	8.61	925.49	7.51	926.59
MW-13	884.74	NM	NM	9.81	874.93	NM	NM	11.47	873.27	NM	NM	NM	NM	NM	NM	NM	NM	10.30	874.44	8.80	875.94
MW-14	930.6	65.97	864.63	82.14	848.46	71.18	859.42	40.95	889.65	39.42	891.18	19.61	910.99	30.13	900.47	27.27	903.33	28.12	902.48	23.67	906.93
MW-15	914.37	18.82	895.55	15.14	899.23	11.92	902.45	16.49	897.88	16.05	898.32	8.86	905.51	17.13	897.24	14.40	899.97	15.25	899.12	18.40	895.97
MW-16	887.32	NM	NM	8.10	879.22	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.85	879.47	8.62	878.70	6.60	880.72
MW-17	932.71	7.72	924.99	27.56	905.15	22.35	910.36	4.28	928.43	6.13	926.58	3.82	928.89	4.06	928.65	5.14	927.57	4.29	928.42	3.85	928.86
MW-18	932.43	10.19	922.24	8.41	924.02	6.48	925.95	9.61	922.82	8.07	924.36	2.33	930.10	6.99	925.44	4.57	927.86	4.82	927.61	2.58	929.85
MW-19	934.2	Dry	NM	Dry	Dry	8.66	925.54	8.75	925.45	7.80	926.4	4.25	929.95	9.66	924.54	6.90	927.30	7.22	926.98	5.38	928.82
MW-20	934.52	9.92	924.60	8.73	925.79	7.10	927.42	9.94	924.58	8.28	926.24	3.70	930.82	8.05	926.47	5.95	928.57	6.04	928.48	4.27	930.25
DMW-1D	922.66	21.07	901.59	19.93	902.73	12.74	909.92	20.14	902.52	22.49	900.17	8.93	913.73	20.83	901.83	18.91	903.75	18.12	904.54	15.10	907.56
DMW-2D	921.71	16.48	905.23	16.50	905.21	10.71	911.00	16.60	905.11	18.95	902.76	5.73	915.98	17.26	904.45	15.95	905.76	15.11	906.60	12.30	909.41
DMW-2S	921.73	16.17	905.56	16.36	905.37	10.43	911.30	16.76	904.97	19.09	902.64	5.25	916.48	17.33	904.40	15.79	905.94	14.97	906.76	12.00	909.73
DMW-3D	923.39	19.47	903.92	18.21	905.18	12.01	911.38	18.92	904.47	21.15	902.24	6.40	916.99	19.41	903.98	17.48	905.91	16.79	906.60	13.35	910.04
DMW-3S	923.3	19.34	903.96	18.09	905.21	11.89	911.41	18.79	904.51	21.06	902.24	6.25	917.05	19.31	903.99	17.35	905.95	16.69	906.61	13.21	910.09
DMW-4D	923.3	26.41	896.89	24.70	898.60	17.10	906.20	24.34	898.96	26.98	896.32	13.19	910.11	24.90	898.40	23.60	899.70	22.41	900.89	19.75	903.55
DMW-5D	915.25	18.86	896.39	34.80	880.45	24.67	890.58	12.40	902.85	16.40	898.85	11.48	903.77	16.30	898.95	16.48	898.77	14.12	901.13	14.21	901.04
INJ-01	932.9	10.86	922.04	8.89	924.01	NM	NM	10.11	922.79	NM	NM	2.50	930.40	8.28	924.62	5.18	927.72	5.29	927.61	3.26	929.64
INJ-02	913.7	16.08	897.62	13.21	900.49	NM	NM	14.33	899.37	NM	NM	9.22	904.48	NM	NM	11.76	901.94	13.11	900.59	10.53	903.17
OBS-1	932.9	10.95	921.95	9.01	923.89	NM	NM	10.33	922.57	8.93	923.97	2.70	930.20	8.74	924.16	5.47	927.43	5.68	927.22	3.57	929.33
OBS-2	932.9	10.72	922.18	8.78	924.12	NM	NM	10.18	922.72	8.79	924.11	2.54	930.36	8.63	924.27	5.31	927.59	5.49	927.41	3.30	929.60
OBS-3	913.7	16.65	897.05	13.35	900.35	NM	NM	NM	NM	14.55	899.15	NM	NM	NM	NM	12.58	901.12	13.30	900.40	11.37	902.33
OBS-4	932.82	-	-	-	-	-	-	-	-	11.21	921.61	5.03	927.79	11.61	921.21	8.17	924.65	9.16	923.66	6.10	926.72
OBS-5	932.38	-	-	-	-	-	-	-	-	11.40	920.98	5.23	927.15	12.12	920.26	8.56	923.82	9.46	922.92	6.56	925.82
OBS-6	933.40	-	-	-	-	-	-	-	-	15.11	918.29	7.34	926.06	14.48	918.92	11.24	922.16	11.95	921.45	7.40	926.00
OBS-7	932.12	-	-	-	-	-	-	-	-	11.00	921.12	5.10	927.02	12.20	919.92	8.43	923.69	9.28	922.84	6.48	925.64
OBS-8	932.39	-	-	-	-	-	-	-	-	11.29	921.10	5.54	926.85	12.50	919.89	8.85	923.54	9.72	922.67	6.94	925.45

Elevation survey has not been completed.
NM - Not Measured
ft msl - Feet Above Mean Sea Level
ft btoc - Feet Below Top of Casing

Table 2
Summary of Groundwater Analytical Results
C D Technologies
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia
HSI No. 10734

Chemical Constituent	Type 1/3 RRS	C&D-01									C&D-03									MW-1								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	NS	0.01U	NS	NS	NA	NA	NA	NA	NA	1U	0.01U	NS	NA	NA	NS	NS	NS	NS	NS	0.01U	NS	NS	NA	NS	NS	NA	NA
Barium	**2**	NS	**0.0917**	NS	NS	NA	NA	NA	NA	NA	1U	1U	NS	NA	NA	NS	NS	NS	NS	NS	**0.0279**	NS	NS	NA	NS	NS	NA	NA
Cadmium	**0.005**	NS	**0.0012**	NS	NS	NA	NA	NA	NA	NA	0.1U	0.01U	NS	NA	NA	NS	NS	NS	NS	NS	**0.0022**	NS	NS	NA	NS	NS	NA	NA
Chromium	**0.1**	NS	**0.018**	NS	NS	NA	NA	NA	NA	NA	0.5U	0.05U	NS	NA	NA	NS	NS	NS	NS	NS	0.005U	NS	NS	NA	NS	NS	NA	NA
Lead	**0.015**	NS	**1.2**	NS	NS	**0.161**	**0.0659**	**0.151**	**0.118**	**0.117B**	0.5U	0.05U	NS	NA	0.00183J	NS	NS	NS	NS	NS	0.005U	NS	NS	NA	NS	NS	NA	NA
Mercury	**0.002**	NS	0.0002U	NS	NS	NA	NA	NA	NA	NA	0.0002U	0.0002U	NS	NA	NA	NS	NS	NS	NS	NS	**0.000339**	NS	NS	NA	NS	NS	NA	NA
1,4-Dichlorobenzene	**75**	NS	1U	NS	NS	1U	1U	1U	1U	1U	NA	1U	NS	1U	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	1U	1U
2-Butanone	**2000**	NS	50U	NS	NS	50U	50U	50U	50U	50U	50U	50U	NS	50U	50U	NS	NS	NS	NS	NS	50U	NS	NS	50U	NS	NS	50U	50U
Acetone	**4000**	NS	50U	NS	NS	25U	25U	25U	25U	25U	50U	50U	NS	50U	25U	NS	NS	NS	NS	NS	50U	NS	NS	25U	NS	NS	**4.30 J**	25U
Carbon disulfide	**4000**	NS	1U	NS	NS	1U	1U	1U	1U	1U	1U	1U	NS	1U	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	1U	1U
Chloroform	**100**	NS	1U	NS	NS	1U	1U	1U	1U	1U	1U	1U	NS	1U	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	1U	1U
cis-DCE	**1**	NS	1U	NS	NS	1U	1U	1U	1U	1U	1U	1U	NS	1U	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	**1.03**	**1.51**
p-Isopropyltoluene	**1**	NS	1U	NS	NS	1U	1U	1U	1U	1U	1U	1U	NS	1U	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	1U	1U
PCE	**5**	NS	1U	NS	NS	1U	1U	1U	1U	1U	1U	1U	NS	1U	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	1U	1U
trans-DCE	**100**	NS	1U	NS	NS	1U	1U	1U	1U	1U	1U	1U	NS	1U	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	1U	1U
TCE	**5**	NS	1U	NS	NS	1U	1U	1U	1U	1U	**3.27**	1U	NS	1U	1U	NS	NS	NS	NS	NS	**28.9**	NS	NS	**4.02**	NS	NS	**35.3**	**37.0**

Chemical Constituent	Type 1/3 RRS	MW-4									MW-5									MW-5D								
		Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	0.01U	0.01U	NS	NS	NA	NS	NS	NS	NS	NA	NA	NS	NA	NA	NA	NA	NA	NA	1U	NA	NS	NA	NA	NA	NA	NA	NA
Barium	**2**	**0.0218**	**0.0293**	NS	NS	NA	NS	NS	NS	NS	1U	NA	NS	NA	NA	NA	NA	NA	NA	1U	NA	NS	NA	NA	NA	NA	NA	NA
Cadmium	**0.005**	0.001U	0.001U	NS	NS	NA	NS	NS	NS	NS	0.1U	NA	NS	NA	NA	NA	NA	NA	NA	0.1U	NA	NS	NA	NA	NA	NA	NA	NA
Chromium	**0.1**	0.005U	0.005U	NS	NS	NA	NS	NS	NS	NS	0.5U	NA	NS	NA	NA	NA	NA	NA	NA	0.5U	NA	NS	NA	NA	NA	NA	NA	NA
Lead	**0.015**	**0.02**	0.005U	NS	NS	NA	NS	NS	NS	NS	0.5U	NA	NS	NA	**0.0176**	**0.0178J**	**0.00279**	**0.0281**	**0.0052**	0.5U	NA	NS	NA	**0.314**	**0.302**	**0.264**	**0.262**	**0.216**
Mercury	**0.002**	0.0002U	0.0002U	NS	NS	NA	NS	NS	NS	NS	**0.000511**	NA	NS	NA	NA	NA	NA	NA	NA	**0.000249**	NA	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	**75**	NA	NA	NS	NS	1U	NS	NS	NS	NS	NA	1U	NS	1U	1U	1U	10J	50U	20U	1U	1U	NS	1U	1U	1U	5U	5U	5U
2-Butanone	**2000**	50U	NA	NS	NS	50U	NS	NS	NS	NS	50U	50U	NS	50U	50U	50U	500U	2500U	1000U	50U	50U	NS	50U	50U	50U	250U	250U	250U
Acetone	**4000**	50U	NA	NS	NS	25U	NS	NS	NS	NS	**7140**	**3530**	NS	**954**	25U	25U	250U	1250U	500U	**10900**	**10800**	NS	**5010**	**341**	**446**	**94.3J**	**189**	**41.7J**
Carbon disulfide	**4000**	1U	NA	NS	NS	1U	NS	NS	NS	NS	**7.48**	**5.51**	NS	**24.8**	1U	1U	10U	50U	20U	**2.35**	**4.52**	NS	**5.18**	**6.92**	**3.07J**	**1.87J**	**4.50 J**	5U
Chloroform	**100**	1U	NA	NS	NS	1U	NS	NS	NS	NS	**1.32**	1U	NS	1U	1U	1U	10U	50U	20U	**2.89**	**3.44**	NS	1U	**2.83**	1U	5U	**2.04 J**	**2.02J**
cis-DCE	**1**	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	1U	1U	**1.19J**	10U	50U	20U	**1.01**	**1.33**	NS	1U	**2.44**	**2.24J**	5U	**1.89 J**	**2.94J**
p-Isopropyltoluene	**1**	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	1U	1U	1U	10U	50U	20U	1U	1U	NS	1U	**0.781J**	1U	5U	5U	5U
PCE	**5**	1U	NA	NS	NS	1U	NS	NS	NS	NS	**2.32**	**2.43**	NS	1U	1U	1.59J	10U	50U	20U	1U	**1.08**	NS	1U	**1.55**	1U	5U	**0.739 J**	**0.847J**
trans-DCE	**100**	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	1U	1U	1U	10U	50U	20U	1U	1U	NS	1U	1U	1U	5U	5U	5U
TCE	**5**	1U	NA	NS	NS	1U	NS	NS	NS	NS	**11700**	**8240**	NS	**15300**	**1940**	**8480**	**8330**	**12,000**	**2450 F2**	**1600**	**2100**	NS	**699**	**1760**	**1030**	**881**	**1130**	**900**

Chemical Constituent	Type 1/3 RRS	MW-8									MW-8 SBR									MW-9								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	NA	0.01U	NS	NS	NA	NS	NS	NS	NS	NS	0.01U	NA	NS	NA	NA	NA	NA	NA	0.01U	0.01U	NS	NS	NA	NS	NS	NS	NS
Barium	**2**	NA	**0.0603**	NS	NS	NA	NS	NS	NS	NS	NS	**0.0475**	NA	NS	NA	NA	NA	NA	NA	**0.132**	**0.132**	NS	NS	NA	NS	NS	NS	NS
Cadmium	**0.005**	NA	0.001U	NS	NS	NA	NS	NS	NS	NS	NS	**0.0014**	NA	NS	NA	NA	NA	NA	NA	0.001U	0.001U	NS	NS	NA	NS	NS	NS	NS
Chromium	**0.1**	NA	0.005U	NS	NS	NA	NS	NS	NS	NS	NS	0.005U	NA	NS	NA	NA	NA	NA	NA	0.005U	0.005U	NS	NS	NA	NS	NS	NS	NS
Lead	**0.015**	NA	0.005U	NS	NS	NA	NS	NS	NS	NS	NS	0.005U	NA	NS	NA	NA	NA	NA	NA	**0.00782**	**0.00782**	NS	NS	NA	NS	NS	NS	NS
Mercury	**0.002**	NA	0.0002U	NS	NS	NA	NS	NS	NS	NS	NS	0.0002U	NA	NS	NA	NA	NA	NA	NA	0.0002U	0.0002U	NS	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	**75**	NA	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	1U	1U	1U	**1U**	NA	1U	NS	NS	1U	NS	NS	NS	NS
2-Butanone	**2000**	50U	NA	NS	NS	50U	NS	NS	NS	NS	NS	50U	50U	NS	50U	50U	50U	50U	50U	50U	50U	NS	NS	50U	NS	NS	NS	NS
Acetone	**4000**	50U	NA	NS	NS	25U	NS	NS	NS	NS	NS	50U	50U	NS	25U	25U	25U	25U	25U	50U	50U	NS	NS	25U	NS	NS	NS	NS
Carbon disulfide	**4000**	1U	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	1U	1U	1U	1U	1U	1U	NS	NS	1U	NS	NS	NS	NS
Chloroform	**100**	1U	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	**0.450J**	**0.450J**	1U	**0.350 J**	**0.341J**	1U	1U	NS	NS	1U	NS	NS	NS	NS
cis-DCE	**1**	**63.9**	NA	NS	NS	1U	NS	NS	NS	NS	NS	**1**	1U	NS	**0.489J**	**1.44J**	**0.482J**	**0.675 J**	**0.441J**	1U	1U	NS	NS	1U	NS	NS	NS	NS
p-Isopropyltoluene	**1**	1U	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	1U	1U	1U	1U	1U	1U	NS	NS	1U	NS	NS	NS	NS
PCE	**5**	1U	NA	NS	NS	1U	NS	NS	NS	NS	NS	**3.51**	**3.26**	NS	**1.57**	**1.26**	**0.734J**	**1.27**	**1.34**	1U	1U	NS	NS	1U	NS	NS	NS	NS
trans-DCE	**100**	**1.06**	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	1U	1U	1U	1U	1U	1U	NS	NS	1U	NS	NS	NS	NS
TCE	**5**	**10.1**	NA	NS	NS	1U	NS	NS	NS	NS	NS	**292**	**311**	NS	**387**	**290**	**304**	**361**	**321**	1U	1U	NS	NS	1U	NS	NS	NS	NS

Abbreviations:

cis-DCE - cis-1,2-Dichloroethene

trans-DCE - trans-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
NA - Not Analyzed
NS - Not Sampled
Notes:
Type 1/3 RRS are in accordance with GA HSRA Criteria for Type 3 Standards (GA HSRA Rule 391-3-19-.07).
Bold indicates concentrations above detection limit.
Shading indicates concentrations exceeding the Type 3 RRSs
U indicates below detection limit
* Indicates the reporting limit has been changed since the previous sampling events.

Table 2
Summary of Groundwater Analytical Results
C D Technologies
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia
HSI No. 10734

Chemical Constituent	Type 1/3 RRS	MW-2									MW-3									MW-11								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	**0.169**	**0.026**	NS	NA	NA	NA	NA	NA	NA	NS	**0.0426**	NS	NA	NA	NA	NA	NA	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS
Barium	**2**	**0.282**	**0.19**	NS	NA	NA	NA	NA	NA	NA	NS	**0.0227**	NS	NA	NA	NA	NA	NA	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS
Cadmium	**0.005**	**0.0208**	**0.0054**	NS	NA	NA	NA	NA	NA	NA	NS	**0.0049**	NS	NA	NA	NA	NA	NA	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS
Chromium	**0.1**	**0.0652**	0.005U	NS	NA	NA	NA	NA	NA	NA	NS	0.005U	NS	NA	NA	NA	NA	NA	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS
Lead	**0.015**	**0.264**	**0.0117**	NS	NA	**0.00244**	NA	NA	NA	NA	NS	**0.0092**	NS	NA	0.00200U	NA	NA	NA	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS
Mercury	**0.002**	**0.00481**	0.0002U	NS	NA	NA	NA	NA	NA	NA	NS	0.0002U	NS	NA	NA	NA	NA	NA	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS
1,4-Dichlorobenzene	**75**	NA	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS
2-Butanone	**2000**	50U	50U	NS	50U	50U	50U	50U	50U	50U	NS	50U	NS	50U	50U	50U	50U	50U	50U	NS	50U	NS	NS	50U	NS	50U	NS	NS
Acetone	**4000**	50U	50U	NS	**991**	25U	25U	**5.84 J**	25U	25U	NS	50U	NS	50U	25U	25U	25U	25U	25U	NS	50U	NS	NS	25U	NS	25U	NS	NS
Carbon disulfide	**4000**	1U	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS
Chloroform	**100**	1U	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	NS	1U	1U	**0.322**	1U	1U	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS
cis-DCE	**1**	1U	1U	NS	1U	1U	**3.57**	**0.300J**	**0.673 J**	1U	NS	**7.15**	NS	**1.42**	1U	1U	1U	1U	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS
p-Isopropyltoluene	**1**	1U	1U	NS	1U	1U	1U	1U		1U	NS	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS
PCE	**5**	**2.58**	**1.67**	NS	1U	1U	1U	1U	**0.201 J**	1U	NS	**34.4**	NS	**27.9**	**1.03**	**0.433**	**0.848J**	**0.412 J**	**0.488J**	NS	1U	NS	NS	1U	NS	1U	NS	NS
trans-DCE	**100**	1U	1U	NS	1U	1U	1U	1U		1U	NS	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS
TCE	**5**	**2120**	**599**	NS	**1090**	**1.31**	**43.1**	**17.5**	**6.11**	1U	NS	**45.1**	NS	**20.7**	**50.6**	**154**	**57.9**	**24.0**	**10.9**	NS	1U	NS	NS	1U	NS	1U	NS	NS

Chemical Constituent	Type 1/3 RRS	MW-6									MW-7									MW-15								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	1U	NA	NS	NS	NS	NS	NS	NS	NS	NS	0.01U	NA	NS	NA	NS	NS	NS	NS	NS	0.01U	NS	NS	NA	NS	NS	NS	NS
Barium	**2**	1U	NA	NS	NS	NS	NS	NS	NS	NS	NS	**0.0273**	NA	NS	NA	NS	NS	NS	NS	NS	**0.0512**	NS	NS	NA	NS	NS	NS	NS
Cadmium	**0.005**	0.1U	NA	NS	NS	NS	NS	NS	NS	NS	NS	0.001U	NA	NS	NA	NS	NS	NS	NS	NS	0.001U	NS	NS	NA	NS	NS	NS	NS
Chromium	**0.1**	0.5U	NA	NS	NS	NS	NS	NS	NS	NS	NS	0.005U	NA	NS	NA	NS	NS	NS	NS	NS	0.005U	NS	NS	NA	NS	NS	NS	NS
Lead	**0.015**	0.5U	NA	NS	NS	NS	NS	NS	NS	NS	NS	0.005U	NA	NS	NA	NS	NS	NS	NS	NS	0.005U	NS	NS	NA	NS	NS	NS	NS
Mercury	**0.002**	0.0002U	NA	NS	NS	NS	NS	NS	NS	NS	NS	0.0002U	NA	NS	NA	NS	NS	NS	NS	NS	0.0002U	NS	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	**75**	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	1U	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS
2-Butanone	**2000**	50U	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	50U	NS	50U	NS	NS	NS	NS	NS	50U	NS	NS	50U	NS	NS	NS	NS
Acetone	**4000**	50U	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	50U	NS	25U	NS	NS	NS	NS	NS	50U	NS	NS	25U	NS	NS	NS	NS
Carbon disulfide	**4000**	1U	NA	NS	NS	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS
Chloroform	**100**	1U	NA	NS	NS	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS
cis-DCE	**1**	**1.26**	NA	NS	NS	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS
p-Isopropyltoluene	**1**	1U	NA	NS	NS	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS
PCE	**5**	**18.5**	NA	NS	NS	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS
trans-DCE	**100**	1U	NA	NS	NS	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS
TCE	**5**	**16.1**	NA	NS	NS	NS	NS	NS	NS	NS	NS	**3.94**	**3.79**	NS	**12.4**	NS	NS	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS

Chemical Constituent	Type 1/3 RRS	MW-9 SBR									MW-10									MW-20								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	NS	0.01U	NA	NS	NA	NS	NS	NS	NS	0.01U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.01U	NS	NS	NA	NA	NA	NA	NA
Barium	**2**	NS	**0.023**	NA	NS	NA	NS	NS	NS	NS	**0.156**	NA	NS	NS	NA	NS	NS	NS	NS	NA	**0.0269**	NS	NS	NA	NA	NA	NA	NA
Cadmium	**0.005**	NS	0.001U	NA	NS	NA	NS	NS	NS	NS	0.001U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.001U	NS	NS	NA	NA	NA	NA	NA
Chromium	**0.1**	NS	0.005U	NA	NS	NA	NS	NS	NS	NS	0.005U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.005U	NS	NS	NA	NA	NA	NA	NA
Lead	**0.015**	NS	0.005U	NA	NS	NA	NS	NS	NS	NS	0.005U	NA	NS	NS	NA	NS	NS	NS	NS	NA	**0.0053**	NS	NS	**0.0362**	**0.114**	**0.708**	**0.425**	**0.195 B**
Mercury	**0.002**	NS	0.0002U	NA	NS	NA	NS	NS	NS	NS	0.0002U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.0002U	NS	NS	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	**75**	NS	1U	1U	NS	1U	NS	NS	NS	NS	NA	NA	NS	NS	1U	NS	NS	NS	NS	NA	NA	NS	1U	1U	NS	1U	1U	1U
2-Butanone	**2000**	NS	50U	50U	NS	50U	NS	NS	NS	NS	50U	NA	NS	NS	50U	NS	NS	NS	NS	50U	NA	NS	1U	50U	NS	50U	50U	50U
Acetone	**4000**	NS	50U	50U	NS	25U	NS	NS	NS	NS	50U	NA	NS	NS	25U	NS	NS	NS	NS	50U	NA	NS	50U	25U	NS	**3.50J**	**3.86 J**	25U
Carbon disulfide	**4000**	NS	1U	1U	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	1U	1U	1U
Chloroform	**100**	NS	1U	1U	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	1U	1U	1U
cis-DCE	**1**	NS	1U	1U	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	1U	1U	1U
p-Isopropyltoluene	**1**	NS	1U	1U	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	1U	1U	1U
PCE	**5**	NS	1U	1U	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	1U	1U	1U
trans-DCE	**100**	NS	1U	1U	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	1U	1U	1U
TCE	**5**	NS	1U	1U	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	1U	1U	1U

Abbreviations:

cis-DCE - cis-1,2-Dichloroethene

trans-DCE - trans-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
NA - Not Analysed
NS - Not Sampled
Notes:
Type 3 RRS is in accordance with GA HSRA Criteria for Type 3 Standards (GA HSRA Rule 391-3-19-.07).
Bold indicates concentrations above detection limit.
Shading indicates concentrations exceeding the Type 3 RRSs
U indicates below detection lim
* Indicates the reporting limit has been changed since the previous sampling events.

Table 2
Summary of Groundwater Analytical Results
C D Technologies
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia
HSI No. 10734

Chemical Constituent	Type 1/3 RRS	MW-11 SBR									MW-12									MW-13								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	NS	0.01U	NA	NS	NA	NS	NA	NS	NS	NS	0.01U	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS
Barium	**2**	NS	**0.051**	NA	NS	NA	NS	NA	NS	NS	NS	**0.0374**	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS
Cadmium	**0.005**	NS	0.001U	NA	NS	NA	NS	NA	NS	NS	NS	0.001U	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS
Chromium	**0.1**	NS	0.005U	NA	NS	NA	NS	NA	NS	NS	NS	0.005U	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS
Lead	**0.015**	NS	0.005U	NA	NS	NA	NS	NA	NS	NS	NS	0.005U	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS
Mercury	**0.002**	NS	0.0002U	NA	NS	**0.464J**	NS	NA	NS	NS	NS	0.0002U	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS
1,4-Dichlorobenzene	**75**	NS	**6.37**	**6.02**	NS	1U	NS	1U	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS
2-Butanone	**2000**	NS	50U	50U	NS	50U	NS	50U	NS	NS	NS	50U	NS	NS	50U	NS	NS	NS	NS	50U	NS	NS	NS	NS	NS	NS	50U	NS
Acetone	**4000**	NS	50U	50U	NS	25U	NS	25U	NS	NS	NS	50U	NS	NS	25U	NS	NS	NS	NS	50U	NS	NS	NS	NS	NS	NS	50U	NS
Carbon disulfide	**4000**	NS	1U	1U	NS	1U	NS	1U	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	1U	NS
Chloroform	**100**	NS	1U	1U	NS	1U	NS	1U	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	1U	NS
cis-DCE	**1**	NS	**2.22**	**1.82**	NS	1U	NS	1U	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	1U	NS
p-Isopropyltoluene	**1**	NS	1U	1U	NS	1U	NS	1U	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	1U	NS
PCE	**5**	NS	**13.1**	**12.8**	NS	**2.74**	NS	**3.20**	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	1U	NS
trans-DCE	**100**	NS	1U	1U	NS	1U	NS	1U	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	1U	NS
TCE	**5**	NS	**2.76**	**2.14**	NS	**0.401J**	NS	1U	NS	NS	NS	1U	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	1U	NS

Chemical Constituent Constituent	Type 1/3 RRS	MW-16									MW-17									MW-18								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	NS	NA	NS	NS	NS	NS	NA	NS	NS	0.01U	NA	NS	NS	NA	NA	NA	NA	NA	1U	NA	NS	NS	NA	NS	NS	NS	NS
Barium	**2**	NS	NA	NS	NS	NS	NS	NA	NS	NS	**0.0147**	NA	NS	NS	NA	NA	NA	NA	NA	1U	NA	NS	NS	NA	NS	NS	NS	NS
Cadmium	**0.005**	NS	NA	NS	NS	NS	NS	NA	NS	NS	0.001U	NA	NS	NS	NA	NA	NA	NA	NA	0.1U	NA	NS	NS	NA	NS	NS	NS	NS
Chromium	**0.1**	NS	NA	NS	NS	NS	NS	NA	NS	NS	0.005U	NA	NS	NS	NA	NA	NA	NA	NA	0.5U	NA	NS	NS	NA	NS	NS	NS	NS
Lead	**0.015**	NS	NA	NS	NS	NS	NS	NA	NS	NS	0.005U	NA	NS	NS	**0.000356J**	NS	NS	NS	NS	0.5U	NA	NS	NS	**0.0121**	NS	NS	NS	NS
Mercury	**0.002**	NS	NA	NS	NS	NS	NS	NA	NS	NS	0.0002U	NA	NS	NS	NA	NA	NA	NA	NA	0.0002U	NA	NS	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	**75**	NS	1U	NS	NS	NS	NS	1U	NS	NS	NA	1U	NS	NS	1U	1U	1U	1U	1U	NA	1U	NS	NS	1U	NS	NS	NS	NS
2-Butanone	**2000**	NS	50U	NS	NS	NS	NS	50U	NS	NS	50U	50U	NS	NS	50U	50U	50U	50U	50U	50U	50U	NS	NS	50U	NS	NS	NS	NS
Acetone	**4000**	NS	50U	NS	NS	NS	NS	50U	NS	NS	50U	50U	NS	NS	**4.51J**	**4.51J**	1U	1U	25U	**1280**	**9280**	NS	NS	25U	NS	NS	NS	NS
Carbon disulfide	**4000**	NS	1U	NS	NS	NS	NS	1U	NS	NS	1U	1U	NS	NS	1U	1U	1U	1U	1U	**3.1**	**20**	NS	NS	1U	NS	NS	NS	NS
Chloroform	**100**	NS	1U	NS	NS	NS	NS	1U	NS	NS	1U	1U	NS	NS	1U	1U	1U	1U	1U	**2.83**	**1.79**	NS	NS	1U	NS	NS	NS	NS
cis-DCE	**1**	NS	1U	NS	NS	NS	NS	1U	NS	NS	1U	1U	NS	NS	**0.215J**	**0.215J**	1U	1U	1U	**2.32**	**1.64**	NS	NS	1U	NS	NS	NS	NS
p-Isopropyltoluene	**1**	NS	1U	NS	NS	NS	NS	1U	NS	NS	1U	1U	NS	NS	1U	1U	1U	1U	1U	**1.08**	1U	NS	NS	1U	NS	NS	NS	NS
PCE	**5**	NS	1U	NS	NS	NS	NS	1U	NS	NS	**60M7**	**29.3**	NS	NS	**18.1**	**6.88**	**13.4**	**11.9**	**1.89**	**1.36**	**1.4**	NS	NS	**0.170J**	NS	NS	NS	NS
trans-DCE	**100**	NS	1U	NS	NS	NS	NS	1U	NS	NS	1U	1U	NS	NS	1U	1U	1U	1U	1U	1U	1U	NS	NS	1U	NS	NS	NS	NS
TCE	**5**	NS	1U	NS	NS	NS	NS	1U	NS	NS	**7.92**	**9.14**	NS	NS	**7.23**	**6.72**	**1.88**	**1.71**	**0.675 J**	**1980**	**1260**	NS	NS	**0.943J**	NS	NS	NS	NS

Chemical Constituent	Type 1/3 RRS	MW-21 DBR									MW-22 SBR									MW-23 SBR								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	NS	0.01U	NA	NS	NA	NS	NS	NS	NS	NS	0.01U	NA	NS	NA	NS	NS	NS	NS	NS	0.01U	NA	NS	NA	NS	NS	NS	NS
Barium	**2**	NS	**0.0408**	NA	NS	NA	NS	NS	NS	NS	NS	**0.0571**	NA	NS	NA	NS	NS	NS	NS	NS	**0.137**	NA	NS	NA	NS	NS	NS	NS
Cadmium	**0.005**	NS	0.001U	NA	NS	NA	NS	NS	NS	NS	NS	0.001U	NA	NS	NA	NS	NS	NS	NS	NS	**0.0011**	NA	NS	NA	NS	NS	NS	NS
Chromium	**0.1**	NS	0.005U	NA	NS	NA	NS	NS	NS	NS	NS	0.005U	NA	NS	NA	NS	NS	NS	NS	NS	0.005U	NA	NS	NA	NS	NS	NS	NS
Lead	**0.015**	NS	0.005U	NA	NS	NA	NS	NS	NS	NS	NS	0.005U	NA	NS	NA	NS	NS	NS	NS	NS	0.005U	NA	NS	NA	NS	NS	NS	NS
Mercury	**0.002**	NS	0.0002U	NA	NS	NA	NS	NS	NS	NS	NS	0.0002U	NA	NS	NA	NS	NS	NS	NS	NS	0.0002U	NA	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	**75**	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS
2-Butanone	**2000**	NS	50U	50U	NS	50U	NS	NS	NS	NS	NS	50U	50U	NS	50U	NS	NS	NS	NS	NS	50U	50U	NS	50U	NS	NS	NS	NS
Acetone	**4000**	NS	50U	50U	NS	**6.07J**	NS	NS	NS	NS	NS	50U	50U	NS	25U	NS	NS	NS	NS	NS	50U	50U	NS	25U	NS	NS	NS	NS
Carbon disulfide	**4000**	NS	1U	1U	NS	**0.777J**	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS
Chloroform	**100**	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS
cis-DCE	**1**	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	**1.22**	**1.14**	NS	1U	NS	NS	NS	NS	NS	**1.66**	**1.44**	NS	**0.718J**	NS	NS	NS	NS
p-Isopropyltoluene	**1**	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS
PCE	**5**	NS	**1.81**	**1.45**	NS	**1.32**	NS	NS	NS	NS	NS	**6.06**	**5.21**	NS	**1.35**	NS	NS	NS	NS	NS	**22**	**15.9**	NS	**9.34**	NS	NS	NS	NS
trans-DCE	**100**	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NS	NS	NS
TCE	**5**	NS	**30.9**	**20.3**	NS	**11.7**	NS	NS	NS	NS	NS	**23.5**	**20**	NS	**1.2**	NS	NS	NS	NS	NS	**200**	**145**	NS	**9.6**	NS	NS	NS	NS

Abbreviations:

cis-DCE - cis-1,2-Dichloroethene

trans-DCE - trans-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
NA - Not Analyzed
NS - Not Sampled
Notes:
Type 1/3 RRS are in accordance with GA HSRA Criteria for Type 3 Standards (GA HSRA Rule 391-3-19-.07).
Bold indicates concentrations above detection limit.
Shading indicates concentrations exceeding the Type 3 RRSs
U indicates below detection limit
* Indicates the reporting limit has been changed since the previous sampling events.

Table 2
Summary of Groundwater Analytical Results
C D Technologies
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia
HSI No. 10734

Chemical Constituent	Type 1/3 RRS	MW-14									DMW-1D									DMW-2D								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	0.01U	NA	NS	NA	NA	NS	NS	NS	NS	**0.105**	**0.0961**	NS	NS	NA	NS	NS	NS	NS	**0.356**	**0.583**	NS	NA	NA	NS	NS	NS	NS
Barium	**2**	0.01U	NA	NS	NA	NA	NS	NS	NS	NS	**0.184**	**0.0856**	NS	NS	NA	NS	NS	NS	NS	0.1U	0.1U	NS	NA	NA	NS	NS	NS	NS
Cadmium	**0.005**	0.001U	NA	NS	NA	NA	NS	NS	NS	NS	**0.0012**	**0.0026**	NS	NS	NA	NS	NS	NS	NS	**0.017**	**0.024**	NS	NA	NA	NS	NS	NS	NS
Chromium	**0.1**	0.005U	NA	NS	NA	NA	NS	NS	NS	NS	0.005U	0.005U	NS	NS	NA	NS	NS	NS	NS	0.05U	0.05U	NS	NA	NA	NS	NS	NS	NS
Lead	**0.015**	0.005U	NA	NS	NA	**0.00566**	NS	NS	NS	NS	**0.0183**	**0.0172**	NS	NS	NA	NS	NS	NS	NS	**0.072**	**0.088**	NS	NA	NA	NS	NS	NS	NS
Mercury	**0.002**	0.0002U	NA	NS	NA	NA	NS	NS	NS	NS	0.0002U	0.0002U	NS	NS	NA	NS	NS	NS	NS	**0.000213**	**0.00024**	NS	NA	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	**75**	NA	NA	NS	1U	1U	NS	NS	NS	NS	NA	1U	NS	NS	1U	NS	NS	NS	NS	NA	1U	NS	1U	1U	NS	NS	NS	NS
2-Butanone	**2000**	50U	NA	NS	50U	50U	NS	NS	NS	NS	50U	50U	NS	NS	50U	NS	NS	NS	NS	50U	50U	NS	50U	50U	NS	NS	NS	NS
Acetone	**4000**	50U	NA	NS	50U	25U	NS	NS	NS	NS	50U	50U	NS	NS	25U	NS	NS	NS	NS	50U	50U	NS	50U	25U	NS	NS	NS	NS
Carbon disulfide	**4000**	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	1U	1U	NS	NS	NS	NS
Chloroform	**100**	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	1U	1U	NS	NS	NS	NS
cis-DCE	**1**	1U	NA	NS	1U	1U	NS	NS	NS	NS	**2.51**	**1.59**	NS	NS	**0.422J**	NS	NS	NS	NS	1U	1U	NS	1U	1U	NS	NS	NS	NS
p-Isopropyltoluene	**1**	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	1U	1U	NS	NS	NS	NS
PCE	**5**	1U	NA	NS	1U	1U	NS	NS	NS	NS	**16.7**	**8.42**	NS	NS	**0.441J**	NS	NS	NS	NS	**1.97**	**2.34**	NS	1U	**0.571J**	NS	NS	NS	NS
trans-DCE	**100**	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	1U	1U	NS	NS	NS	NS
TCE	**5**	1U	NA	NS	1U	1U	NS	NS	NS	NS	**128**	**97.9**	NS	NS	**18.7**	NS	NS	NS	NS	**340**	**378**	NS	**93.4**	**76.3**	NS	NS	NS	NS

Chemical Constituent Constituent	Type 1/3 RRS	MW-19									DMW-4D									DMW-5D								
		Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	0.01U	NS	NS	NA	NS	NS	NS	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS
Barium	**2**	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	**0.0207**	NS	NS	NA	NS	NS	NS	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS
Cadmium	**0.005**	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	0.001U	NS	NS	NA	NS	NS	NS	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS
Chromium	**0.1**	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	0.005U	NS	NS	NA	NS	NS	NS	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS
Lead	**0.015**	NS	NA	NS	NA	**0.0242**	**0.0226**	NA	**0.0182**	**0.0234**	NA	0.005U	NS	NS	NA	NS	NS	NS	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS
Mercury	**0.002**	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	0.0002U	NS	NS	NA	NS	NS	NS	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	**75**	NS	NA	NS	1U	1U	1U	1U	1U	1U	NA	NA	NS	NS	1U	NS	NS	NS	NS	NA	NA	NS	NS	1U	NS	NS	NS	NS
2-Butanone	**2000**	NS	NA	NS	1U	50U	50U	50U	50U	50U	50U	NA	NS	NS	50U	NS	NS	NS	NS	50U	NA	NS	NS	50U	NS	NS	NS	NS
Acetone	**4000**	NS	NA	NS	50U	25U	25U	25U	25U	25U	50U	NA	NS	NS	25U	NS	NS	NS	NS	50U	NA	NS	NS	25U	NS	NS	NS	NS
Carbon disulfide	**4000**	NS	NA	NS	1U	1U	1U	1U	1U	1U	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS
Chloroform	**100**	NS	NA	NS	1U	1U	1U	1U	1U	1U	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS
cis-DCE	**1**	NS	NA	NS	1U	1U	1U	1U	1U	1U	1U	NA	NS	NS	1U	NS	NS	NS	NS	**2.19**	NA	NS	NS	1U	NS	NS	NS	NS
p-Isopropyltoluene	**1**	NS	NA	NS	1U	1U	1U	1U	1U	1U	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS
PCE	**5**	NS	NA	NS	1U	1U	1U	1U	1U	1U	1U	NA	NS	NS	**0.293J**	NS	NS	NS	NS	NA	NA	NS	NS	0.494J	NS	NS	NS	NS
trans-DCE	**100**	NS	NA	NS	1U	1U	1U	1U	1U	1U	1U	NA	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS
TCE	**5**	NS	NA	NS	1U	1U	1U	1U	1U	**0.961J**	**5.75**	NA	NS	NS	**21.1**	NS	NS	NS	NS	**12.6**	NA	NS	NS	**6.11**	NS	NS	NS	NS

Chemical Constituent	Type 1/3 RRS	MW-24 SBR									OBS-2									OBS-3								
		Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	***0.01**	NS	0.01U	NA	NS	NA	NA	NA	NA	NA	1U	NA	NS	NS	NA	NS	NS	NS	NS	NS	0.01U	NS	NS	NS	NS	NS	NS	NS
Barium	**2**	NS	**0.0349**	NA	NS	NA	NA	NA	NA	NA	1U	NA	NS	NS	NA	NS	NS	NS	NS	NS	**0.076**	NS	NS	NS	NS	NS	NS	NS
Cadmium	**0.005**	NS	0.001U	NA	NS	NA	NA	NA	NA	NA	0.1U	NA	NS	NS	NA	NS	NS	NS	NS	NS	0.1U	NS	NS	NS	NS	NS	NS	NS
Chromium	**0.1**	NS	0.005U	NA	NS	NA	NA	NA	NA	NA	0.5U	NA	NS	NS	NA	NS	NS	NS	NS	NS	0.5U	NS	NS	NS	NS	NS	NS	NS
Lead	**0.015**	NS	0.005U	NA	NS	NA	NA	NA	NA	NA	0.5U	NA	NS	NS	NA	NS	NS	NS	NS	NS	0.5U	NS	NS	NS	NS	NS	NS	NS
Mercury	**0.002**	NS	0.0002U	NA	NS	NA	NA	NA	NA	NA	0.0002U	NA	NS	NS	NA	NS	NS	NS	NS	NS	**0.000346**	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	**75**	NS	1U	1U	NS	1U	1U	1U	1U	1U	NA	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	NS
2-Butanone	**2000**	NS	50U	50U	NS	50U	50U	50U	50U	50U	**66.4**	NA	NS	NS	50U	NS	NS	NS	NS	NS	50U	NS	NS	NS	NS	NS	NS	NS
Acetone	**4000**	NS	50U	50U	NS	25U	25U	25U	25U	25U	**5920**	NA	NS	NS	**3.43J**	NS	NS	NS	NS	NS	50U	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	**4000**	NS	1U	1U	NS	1U	1U	1U	1U	1U	**4.92**	NA	NS	NS	**0.460J**	NS	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	NS
Chloroform	**100**	NS	1U	1U	NS	**0.237J**	1U	1U	1U	1U	**1.66**	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	NS
cis-DCE	**1**	NS	1U	1U	NS	1U	1U	1U	1U	1U	1U	NA	NS	NS	1U	NS	NS	NS	NS	NS	**5.21**	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	**1**	NS	1U	1U	NS	1U	1U	1U	1U	1U	1U	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	NS
PCE	**5**	NS	1U	1U	NS	0.462J	1U	1U	1U	0.335 J	1U	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	NS
trans-DCE	**100**	NS	1U	1U	NS	1U	1U	1U	1U	1U	1U	NA	NS	NS	1U	NS	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	NS
TCE	**5**	NS	**79.3**	**145**	NS	**20.6**	**7.8**	**11.1**	**5.60**	**11.8**	**15.4**	NA	NS	NS	**1.43**	NS	NS	NS	NS	NS	1U	NS	NS	NS	NS	NS	NS	NS

Abbreviations:

cis-DCE - cis-1,2-Dichloroethene

trans-DCE - trans-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
NA - Not Analyzed
NS - Not Sampled
Notes:
Type 1/3 RRS are in accordance with GA HSRA Criteria for Type 3 Standards (GA HSRA Rule 391-3-19-.07).
Bold indicates concentrations above detection limit.
Shading indicates concentrations exceeding the Type 3 RRSs
U indicates below detection limit
* Indicates the reporting limit has been changed since the previous sampling events.

Table 2
Summary of Groundwater Analytical Results
C D Technologies
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia
HSI No. 10734

Chemical Constituent	Type 1/3 RRS	DMW-2S									DMW-3D									DMW-3S								
		Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	0.01U	NA	NS	NA	NA	NS	NS	NS	NS	**0.0712**	**0.066**	NS	NA	NA	NS	NS	NS	NS	0.01U	NA	NS	NA	NA	NS	NS	NS	NS
Barium	2	**0.0859**	NA	NS	NA	NA	NS	NS	NS	NS	**0.0238**	**0.0279**	NS	NA	NA	NS	NS	NS	NS	**0.033**	NA	NS	NA	NA	NS	NS	NS	NS
Cadmium	0.005	0.001U	NA	NS	NA	NA	NS	NS	NS	NS	**0.0035**	**0.0037**	NS	NA	NA	NS	NS	NS	NS	0.001U	NA	NS	NA	NA	NS	NS	NS	NS
Chromium	0.1	0.005U	NA	NS	NA	NA	NS	NS	NS	NS	0.005U	0.005U	NS	NA	NA	NS	NS	NS	NS	0.005U	NA	NS	NA	NA	NS	NS	NS	NS
Lead	0.015	0.005U	NA	NS	NA	NA	NS	NS	NS	NS	**0.0207**	**0.0149**	NS	NA	NA	NS	NS	NS	NS	0.005U	NA	NS	NA	NA	NS	NS	NS	NS
Mercury	0.002	0.0002U	NA	NS	NA	NA	NS	NS	NS	NS	0.0002U	0.0002U	NS	NA	NA	NS	NS	NS	NS	0.0002U	NA	NS	NA	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	75	NA	NA	NS	1U	1U	NS	NS	NS	NS	NA	NA	NS	1U	1U	NS	NS	NS	NS	NA	NA	NS	1U	1U	NS	NS	NS	NS
2-Butanone	2000	50U	NA	NS	50U	50U	NS	NS	NS	NS	50U	NA	NS	50U	50U	NS	NS	NS	NS	50U	NA	NS	50U	50U	NS	NS	NS	NS
Acetone	4000	50U	NA	NS	50U	25U	NS	NS	NS	NS	50U	NA	NS	50U	25U	NS	NS	NS	NS	50U	NA	NS	50U	25U	NS	NS	NS	NS
Carbon disulfide	4000	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS
Chloroform	100	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS
cis-DCE	1	1U	NA	NS	1U	1U	NS	NS	NS	NS	**1.27**	NA	NS	**3.59**	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS
p-Isopropyltoluene	1	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS
PCE	5	NA	NA	NS	1U	1U	NS	NS	NS	NS	**8.21**	NA	NS	**17.2**	**2.81**	NS	NS	NS	NS	NA	NA	NS	1U	**0.205J**	NS	NS	NS	NS
trans-DCE	100	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS	1U	NA	NS	1U	1U	NS	NS	NS	NS
TCE	5	1U	NA	NS	1U	**0.259J**	NS	NS	NS	NS	**65.1**	NA	NS	**36.7**	**6.64**	NS	NS	NS	NS	**1.33**	NA	NS	**1.02**	**0.688J**	NS	NS	NS	NS

Chemical Constituent	Type 1/3 RRS	INJ-01									INJ-02									OBS-1								
		Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-08	Feb-09	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	1U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.01U	NS	NS	NA	NS	NS	NS	NS	1U	NA	NS	NS	NA	NS	NS	NS	NS
Barium	2	1U	NA	NS	NS	NA	NS	NS	NS	NS	NA	**0.0457**	NS	NS	NA	NS	NS	NS	NS	1U	NA	NS	NS	NA	NS	NS	NS	NS
Cadmium	0.005	0.1U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.001U	NS	NS	NA	NS	NS	NS	NS	0.1U	NA	NS	NS	NA	NS	NS	NS	NS
Chromium	0.1	0.5U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.005U	NS	NS	NA	NS	NS	NS	NS	0.5U	NA	NS	NS	NA	NS	NS	NS	NS
Lead	0.015	0.5U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.005U	NS	NS	NA	NS	NS	NS	NS	0.5U	NA	NS	NS	NA	NS	NS	NS	NS
Mercury	0.002	0.0002U	NA	NS	NS	NA	NS	NS	NS	NS	NA	0.0002U	NS	NS	NA	NS	NS	NS	NS	0.0002U	NA	NS	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	75	NA	1U	NS	NS	1U	NS	NS	NS	NS	NA	1U	NS	NS	1U	NS	NS	NS	NS	NA	NA	NS	NS	1U	NS	NS	NS	NS
2-Butanone	2000	50U	**70.3**	NS	NS	50U	NS	NS	NS	NS	50U	50U	NS	NS	50U	NS	NS	NS	NS	**189**	NA	NS	NS	50U	NS	NS	NS	NS
Acetone	4000	**11100**	**3260**	NS	NS	25U	NS	NS	NS	NS	50U	50U	NS	NS	25U	NS	NS	NS	NS	**5660**	NA	NS	NS	25U	NS	NS	NS	NS
Carbon disulfide	4000	**30.3**	**8.65**	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	**5.48**	NA	NS	NS	1U	NS	NS	NS	NS
Chloroform	100	**2.96**	**1.43**	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	**1.02**	NA	NS	NS	1U	NS	NS	NS	NS
cis-DCE	1	1U	1U	NS	NS	1U	NS	NS	NS	NS	**46**	**2.69**	NS	NS	**10.7**	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS
p-Isopropyltoluene	1	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS
PCE	5	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS
trans-DCE	100	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	1U	NS	NS	1U	NS	NS	NS	NS	1U	NA	NS	NS	1U	NS	NS	NS	NS
TCE	5	**30.9**	**2.3**	NS	NS	**0.265J**	NS	NS	NS	NS	1U	1U	NS	NS	**14.2**	NS	NS	NS	NS	**8.3**	NA	NS	NS	**0.332J**	NS	NS	NS	NS

Chemical Constituent	Type 1/3 RRS	OBS-4					OBS-5					OBS-6					OBS-7					OBS-8				
		Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
Barium	2	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
Cadmium	0.005	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
Chromium	0.1	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
Lead	0.015	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
Mercury	0.002	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	1U	5U	5U	5U
2-Butanone	2000	**21.6J**	NS	NS	NS	NS	**567**	NS	NS	NS	NS	1U	NS	NS	NS	NS	50U	NS	NS	NS	NS	**188**	50U	250U	250U	**14.7J**
Acetone	4000	**9.69J**	NS	NS	NS	NS	**162**	NS	NS	NS	NS	**9.07J**	NS	NS	NS	NS	**3.75J**	NS	NS	NS	NS	**146**	**56.1J**	125U	125U	**26.2J**
Carbon disulfide	4000	1U	NS	NS	NS	NS	**0.728J**	NS	NS	NS	NS	**0.908J**	NS	NS	NS	NS	1U	NS	NS	NS	NS	**4.77**	**5.39**	5U	5U	5U
Chloroform	100	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	1U	5U	5U	5U
cis-DCE	1	**0.680J**	NS	NS	NS	NS	**86.3**	NS	NS	NS	NS	**0.873J**	NS	NS	NS	NS	**1.43**	NS	NS	NS	NS	**244**	**187**	**154**	**121**	**171**
p-Isopropyltoluene	1	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	1U	5U	5U	5U
PCE	5	**2.53**	NS	NS	NS	NS	**0.920J**	NS	NS	NS	NS	**0.304J**	NS	NS	NS	NS	**0.275J**	NS	NS	NS	NS	**1.04**	**0.832J**	5U	5U	5U
trans-DCE	100	1U	NS	NS	NS	NS	**0.567J**	NS	NS	NS	NS	1U	NS	NS	NS	NS	1U	NS	NS	NS	NS	**1.58**	**0.920J**	5U	5U	5U
TCE	5	**94.1**	NS	NS	NS	NS	**82.3**	NS	NS	NS	NS	**617**	NS	NS	NS	NS	**363**	NS	NS	NS	NS	**598**	**592**	**807**	**787**	**802**

Abbreviations:

cis-DCE - cis-1,2-Dichloroethene

trans-DCE - trans-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
NA - Not Analyzed
NS - Not Sampled
Notes:
Type 1/3 RRS are in accordance with GA HSRA Criteria for Type 3 Standards (GA HSRA Rule 391-3-19-.07).
Bold indicates concentrations above detection limit.
Shading indicates concentrations exceeding the Type 3 RRSs
U indicates below detection limit
* Indicates the reporting limit has been changed since the previous sampling events.

Table 2
Summary of Groundwater Analytical Results
C D Technologies
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia
HSI No. 10734

Chemical Constituent	Type 1/3 RRS	MW-25 SBR							MW-26 SBR							MW-27 SBR						
		Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NS	NS
Barium	2	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NS	NS
Cadmium	0.005	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NS	NS
Chromium	0.1	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NS	NS
Lead	0.015	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NS	NS
Mercury	0.002	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NS	NS
1,4-Dichlorobenzene	75	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	NS	NS	NS	NS	1U	NS	NS
2-Butanone	2000	50U	NS	50U	NS	NS	NS	NS	50U	NS	50U	NS	NS	NS	NS	NS	NS	NS	NS	50U	NS	NS
Acetone	4000	50U	NS	25U	NS	NS	NS	NS	50U	NS	25U	NS	NS	NS	NS	NS	NS	NS	NS	25U	NS	NS
Carbon disulfide	4000	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	NS	NS	NS	NS	1U	NS	NS
Chloroform	100	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	NS	NS	NS	NS	1U	NS	NS
cis-DCE	1	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	NS	NS	NS	NS	1U	NS	NS
p-Isopropyltoluene	1	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	NS	NS	NS	NS	1U	NS	NS
PCE	5	1U	NS	1U	NS	NS	NS	NS	**6.96**	NS	**2.93**	NS	NS	NS	NS	NS	NS	NS	NS	1U	NS	NS
trans-DCE	100	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	NS	NS	NS	NS	1U	NS	NS
TCE	5	1U	NS	1U	NS	NS	NS	NS	**8.57**	NS	**2.13**	NS	NS	NS	NS	NS	NS	NS	NS	**0.417J**	NS	NS

Chemical Constituent	Type 1/3 RRS	MW-32 SBR							MW-33 SBR							MW-34 SBR						
		Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Barium	2	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Cadmium	0.005	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Chromium	0.1	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Lead	0.015	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Mercury	0.002	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	75	**1.87**	NS	**0.671J**	NS	NS	NS	NS	**5.98**	NS	**2.91**	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
2-Butanone	2000	50U	NS	50U	NS	NS	NS	NS	50U	NS	50U	NS	NS	NS	NS	50U	NS	50U	NS	NS	NS	NS
Acetone	4000	50U	NS	25U	NS	NS	NS	NS	50U	NS	25U	NS	NS	NS	NS	50U	NS	25U	NS	NS	NS	NS
Carbon disulfide	4000	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
Chloroform	100	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	1U	NS	**0.312J**	NS	NS	NS	NS
cis-DCE	1	1U	NS	**0.261J**	NS	NS	NS	NS	**1.32**	NS	**0.625J**	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
p-Isopropyltoluene	1	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
PCE	5	1U	NS	1U	NS	NS	NS	NS	**14.8**	NS	**13.4**	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
trans-DCE	100	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
TCE	5	**1.92**	NS	**0.760J**	NS	NS	NS	NS	**1.91**	NS	**1.71**	NS	NS	NS	NS	1U	NS	**0.541J**	NS	NS	NS	NS

Chemical Constituent	Type 1/3 RRS	MW-36 SBR						MW-37 SBR						MW-38 SBR					
		Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.015	0.500U	NA	NA	NA	NA	NA	0.500U (M4)	**0.00894**	NS	NS	NS	NS	0.500U	NA	NA	NA	NA	NA
Mercury	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1U	5U
2-Butanone	2000	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	**51.8J**	**42.0J**	50U	250U
Acetone	4000	50U	25U	25U	25U	25U	25U	50U	**5.02J**	**5.02J**	25U	25U	25U	50U	**112**	**98.3J**	**63.5J**	**18.0 J**	125U
Carbon disulfide	4000	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	**2.4**	**2.72J**	**1.30J**	**2.35 J**	5U
Chloroform	100	**1.96**	1U	1U	1U	**0.279 J**	**0.240J**	**7.9**	1U	**0.234J**	1U	**0.427 J**	**0.400J**	1U	0.336J	1U	5U	5U	5U
cis-DCE	1	1U	1U	1U	1U	**0.232 J**	**0.280J**	1U	**0.253J**	**0.647J**	1U	**1.57**	**0.816J**	1U	**23**	**29.6**	**33.7**	**39.8**	**38.6**
p-Isopropyltoluene	1	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	5U	5U	5U
PCE	5	**2.89**	**1.15**	**3.15**	**2.76**	**3.66**	**4.23**	**2.59**	**1.33**	**1.95**	**1.22**	**1.88**	**1.59**	**1.16**	**1.96**	**1.69J**	5U	**2.14 J**	**1.74J**
trans-DCE	100	1U	1U	1U	1U	1U	1U	`	1U	1U	1U	1U	1U	1U	1U	1U	5U	5U	5U
TCE	5	**217**	**83.1**	**134**	**131**	**149**	**149**	**460**	**130**	**164**	**183**	**245**	**216**	**486**	**535**	**436**	**525**	**549**	**428**

Abbreviations:

cis-DCE - cis-1,2-Dichloroethene

trans-DCE - trans-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
NA - Not Analyzed
NS - Not Sampled
Notes:
Type 1/3 RRS are in accordance with GA HSRA Criteria for Type 3 Standards (GA HSRA Rule 391-3-19-.07).
Bold indicates concentrations above detection limit.
Shading indicates concentrations exceeding the Type 3 RRSs
U indicates below detection limit
* Indicates the reporting limit has been changed since the previous sampling events.

Table 2
Summary of Groundwater Analytical Results
C D Technologies
1835 Rockdale Industrial Boulevard
Conyers, Rockdale County, Georgia
HSI No. 10734

Chemical Constituent	Type 1/3 RRS	MW-28 SBR							MW-28 DBR						
		Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Barium	2	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Cadmium	0.005	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Chromium	0.1	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Lead	0.015	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
Mercury	0.002	NA	NS	NA	NS	NS	NS	NS	NA	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	75	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
2-Butanone	2000	50U	NS	50U	NS	NS	NS	NS	50U	NS	50U	NS	NS	NS	NS
Acetone	4000	50U	NS	25U	NS	NS	NS	NS	50U	NS	25U	NS	NS	NS	NS
Carbon disulfide	4000	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
Chloroform	100	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
cis-DCE	1	**4.07**	NS	1U	NS	NS	NS	NS	**2.86**	NS	**3.36**	NS	NS	NS	NS
p-Isopropyltoluene	1	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
PCE	5	1U	NS	**3.99**	NS	NS	NS	NS	**1.13**	NS	**2.94**	NS	NS	NS	NS
trans-DCE	100	1U	NS	1U	NS	NS	NS	NS	1U	NS	1U	NS	NS	NS	NS
TCE	5	**5.55**	NS	**14.3**	NS	NS	NS	NS	**7.65**	NS	**37.3**	NS	NS	NS	NS

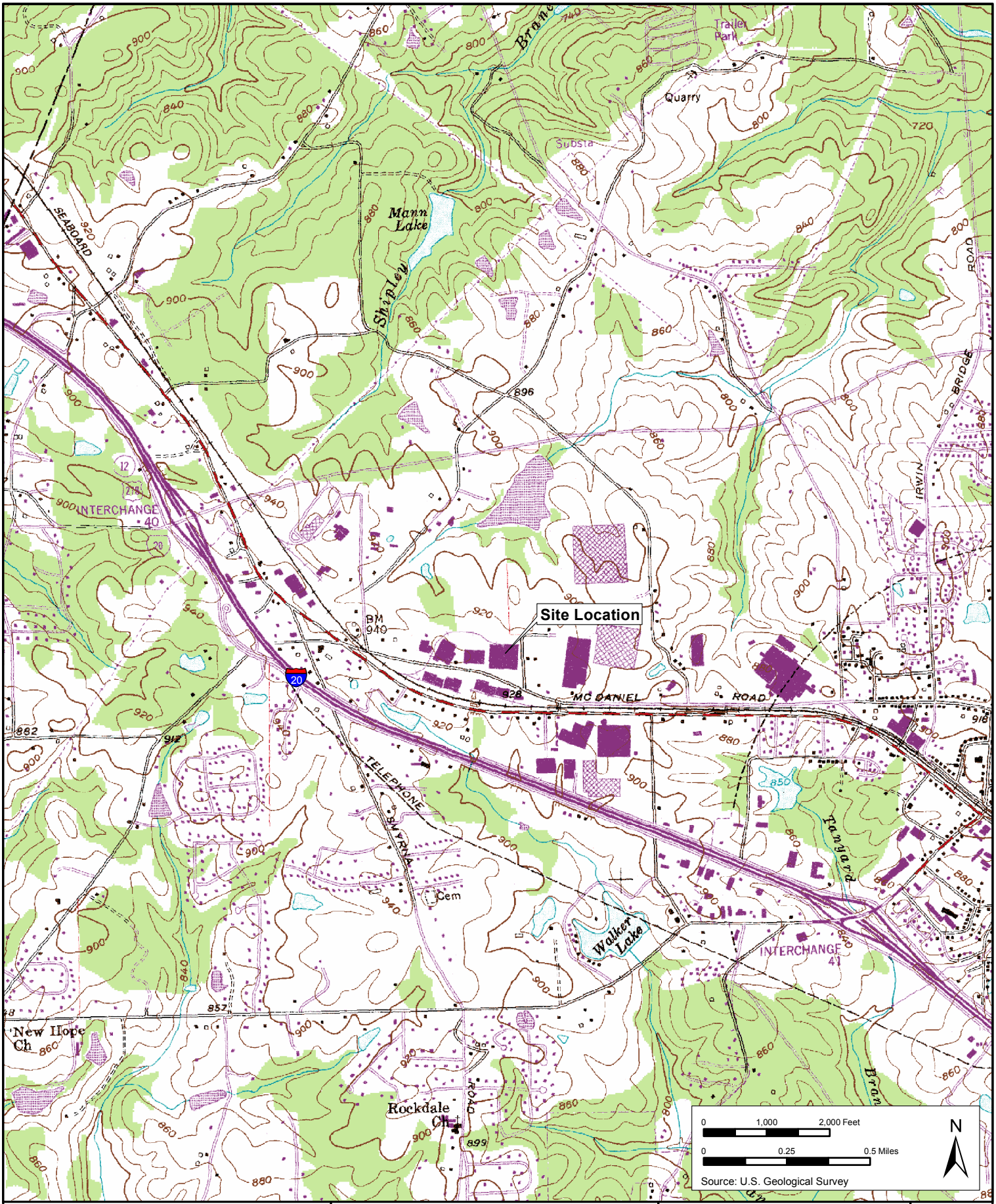
Chemical Constituent	Type 1/3 RRS	MW-29 SBR							MW-30 SBR						
		Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Sep-17	Mar-18	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	NA	NS	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA
Barium	2	NA	NS	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA
Cadmium	0.005	NA	NS	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA
Chromium	0.1	NA	NS	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA
Lead	0.015	NA	NS	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA
Mercury	0.002	NA	NS	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	75	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	1U	1U	1U	1U
2-Butanone	2000	50U	NS	50U	50U	50U	50U	50U	50U	NS	50U	50U	50U	50U	50U
Acetone	4000	50U	NS	9.26J	9.26J	25U	25U	25U	50U	NS	25U	25U	25U	25U	25U
Carbon disulfide	4000	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	1U	1U	1U	1U
Chloroform	100	1U	NS	**1.49**	**1.44**	**1.63**	**1.53**	**2.04**	1U	NS	1U	1U	1U	1U	1U
cis-DCE	1	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	1U	1U	1U	1U
p-Isopropyltoluene	1	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	1U	1U	1U	1U
PCE	5	1U	NS	**6.6**	**9.02**	**9.2**	**5.24**	**7.2**	1U	NS	1U	1U	1U	**0.199 J**	**0.158J**
trans-DCE	100	1U	NS	1U	1U	1U	1U	1U	1U	NS	1U	1U	1U	1U	1U
TCE	5	**6.78**	NS	**34.9**	**39.0**	**44.4**	**25.7**	**35.8**	**2.64**	NS	**4.71**	**3.46**	**2.46**	**2.79**	**3.45**

Chemical Constituent	Type 1/3 RRS	MW-35 SBR						
		Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Sep-17	Mar-18
Arsenic	*0.01	NA	NS	NA	NS	NS	NS	NS
Barium	2	NA	NS	NA	NS	NS	NS	NS
Cadmium	0.005	NA	NS	NA	NS	NS	NS	NS
Chromium	0.1	NA	NS	NA	NS	NS	NS	NS
Lead	0.015	NA	NS	NA	NS	NS	NS	NS
Mercury	0.002	NA	NS	NA	NS	NS	NS	NS
1,4-Dichlorobenzene	75	1U	NS	1U	NS	NS	NS	NS
2-Butanone	2000	50U	NS	50U	NS	NS	NS	NS
Acetone	4000	50U	NS	25U	NS	NS	NS	NS
Carbon disulfide	4000	1U	NS	1U	NS	NS	NS	NS
Chloroform	100	1U	NS	1U	NS	NS	NS	NS
cis-DCE	1	1U	NS	1U	NS	NS	NS	NS
p-Isopropyltoluene	1	1U	NS	1U	NS	NS	NS	NS
PCE	5	**2.64U**	NS	**1.83**	NS	NS	NS	NS
trans-DCE	100	1U	NS	1U	NS	NS	NS	NS
TCE	5	**2.95**	NS	**1.63**	NS	NS	NS	NS

Abbreviations:

trans-DCE - trans-1,2-Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
NA - Not Analyzed
NS - Not Sampled
Notes:
Type 1/3 RRS are in accordance with GA HSRA Criteria for Type 3 Standards (GA HSRA Rule 391-3-19-.07).
Bold indicates concentrations above detection limit.
Shading indicates concentrations exceeding the Type 3 RRSs
U indicates below detection limit
* Indicates the reporting limit has been changed since the previous sampling events.

Figures



C & D TECHNOLOGIES, INC.

1835 Industrial Blvd.
Conyers, Georgia

AECOM

SCALE:	DRAWN BY: DW	DATE: 5/10/2016
1:24,000	CHECKED BY: JM	DATE: 5/10/2016

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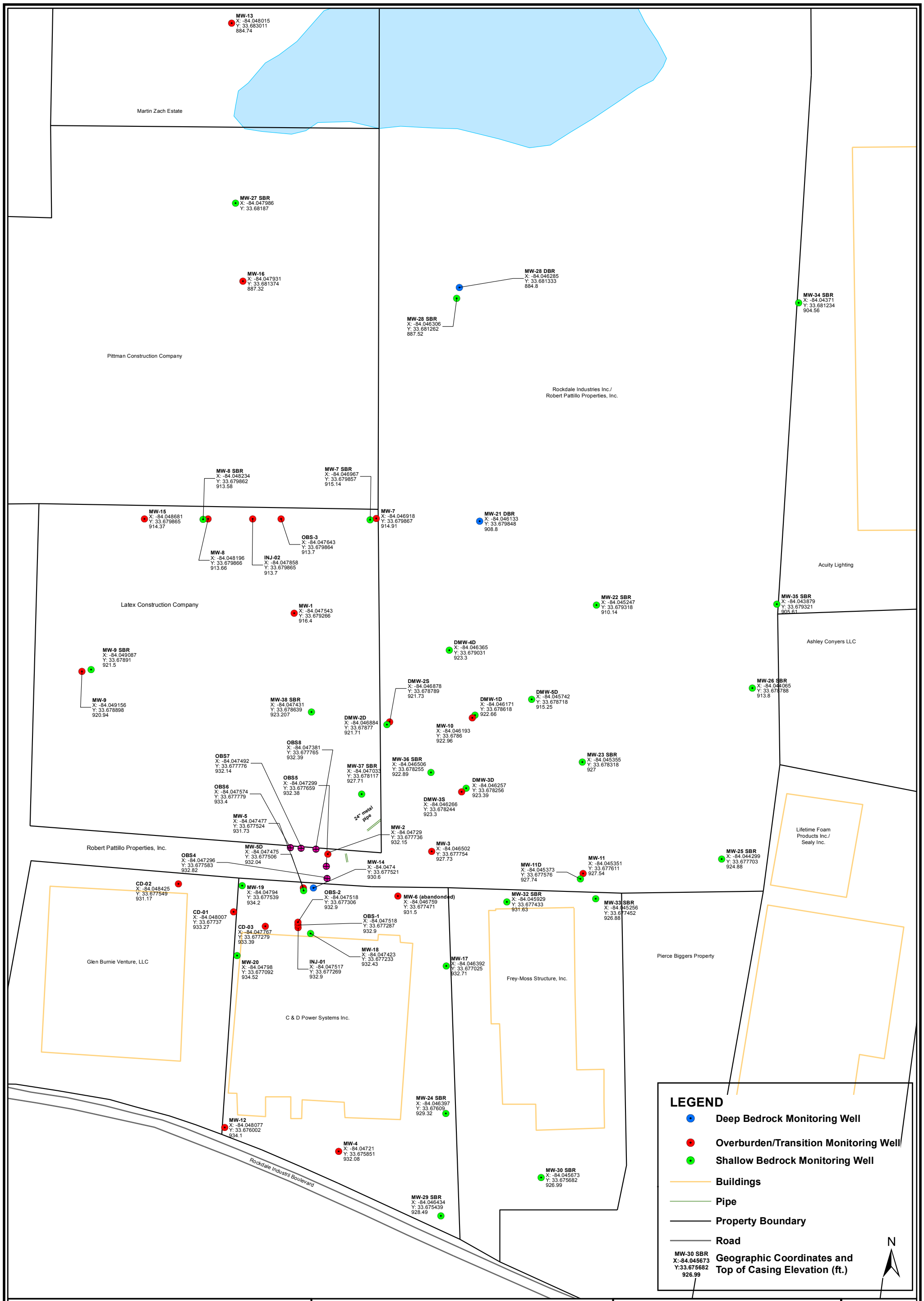
SITE LOCATION MAP

PROJECT NO: 60530734

FIGURE NO: 1



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SCALE:	DRAWN BY:	DATE:
1:2,400 1 " = 200 '	DW	6/22/2016
	CHECKED BY: JM	DATE: 6/22/2016

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SITE MAP
GROUNDWATER
WELL LOCATIONS

PROJECT NO:
60530734

FIGURE NO:
2

MW-13
875.94

Martin Zach Estate

880

885

MW-16
880.72

MW-28 DBR
877.37

MW-28 SBR
877.21

MW-34 SBR
876.99

890

Pittman Construction Company

Rockdale Industries Inc./
Robert Pattillo Properties, Inc.

895

MW-15
895.97

MW-8 SBR
901.11

INJ-02
903.17

OBS-3
902.33

MW-7 SBR
895.91

MW-7
896

MW-21 DBR
894.82

900

Acuity Lighting

905

MW-1
904.99

Latex Construction Company

MW-22 SBR
898.43

MW-35 SBR
891.81

DMW-4D
903.55

Ashley Conyers LLC

MW-9
908.82

MW-9 SBR
908.98

910

DMW-2D
909.40

DMW-2S
909.73

MW-26 SBR
900.27

DMW-5D
901.04

MW-38 SBR
911.96

MW-10
907.37

DMW-1D
907.56

915

MW-23 SBR
907.95

DMW-3S
910.09

MW-36 SBR
910.14

DMW-3D
910.04

MW-37 SBR
916.43

24" metal pipe

OBS-6
926

OBS-8
925.45

MW-2
923.69

MW-3
920.12

MW-25 SBR
905.44

Lifetime Foam
Products Inc./
Sealy Inc.

Robert Pattillo Properties, Inc.

920

OBS-7
925.64

OBS-5
925.82

MW-19
928.82

MW-5D
924.34

MW-5
926.97

OBS-4
926.72

MW-11
913.53

MW-11 SBR
914.09

MW-33 SBR
911.73

MW-32 SBR
922.41

OBS-1
929.33

OBS-2
929.6

MW-18
929.85

INJ-01
929.64

MW-20
930.25

MW-17
928.86

Pierce Biggers Property

Glen Burnie Venture, LLC

925

Frey-Moss Structure, Inc.

C & D Power Systems Inc.

MW-24 SBR
925.72

MW-12
926.59

MW-4
925.73

MW-30 SBR
922.7

MW-29 SBR
922.78

Rockdale Industrial Boulevard

LEGEND

- Deep Bedrock Monitoring Well
- Overburden/Transition Monitoring Well
- Shallow Bedrock Monitoring Well
- Groundwater Elevation Contour (feet above mean sea level)
- Buildings
- Pipe
- Property Boundary
- Road

0 45 90 180 270 360 Feet

N

C & D TECHNOLOGIES, INC.
1835 Industrial Blvd.
Conyers, Georgia

AECOM

SCALE:	DRAWN BY:	DATE:
1:2,400 1 " = 200 '	MBE	8/27/2018
	CHECKED BY: JM	DATE: 8/27/2018

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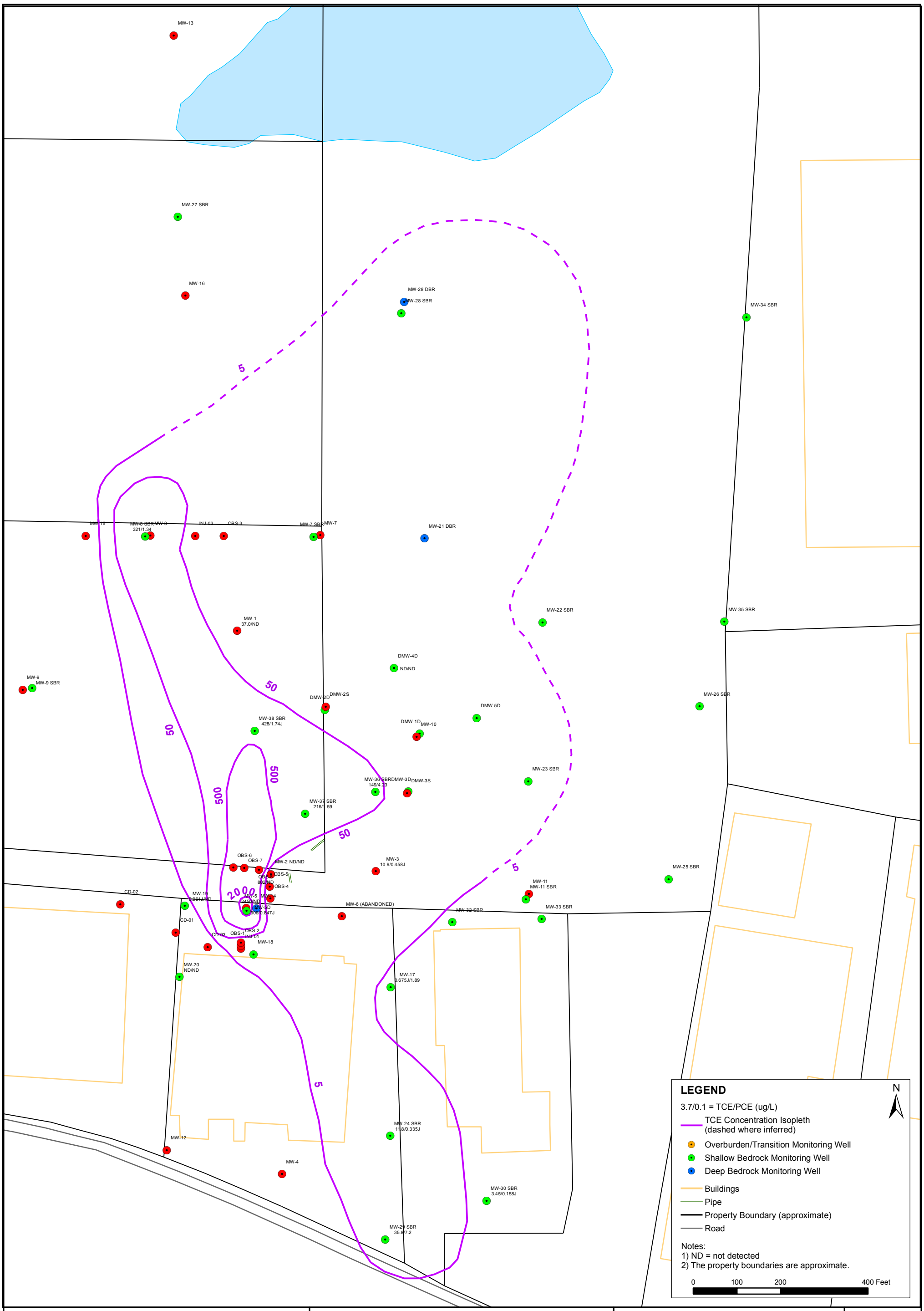
GROUNDWATER ELEVATION POTENTIOMETRIC SURFACE MAP
March 2018

PROJECT NO:
60530734

FIGURE NO:
3



C & D TECHNOLOGIES, INC.

1835 Industrial Blvd.
Conyers, Georgia

AECOM

SCALE:	DRAWN BY: MBE	DATE: 8/27/2018
1:2,400 1" = 200'	CHECKED BY: SM	DATE: 8/27/2018

G:\C_D_Technologies\Conyers Plant\deliverables\fig5-1_Grdwtr_TCE_plume_2018_03_REV1.mxd

GROUNDWATER TCE ANALYTICAL RESULTS MARCH 2018 WITH APPROXIMATE TCE CONCENTRATION ISOPLETHS

PROJECT NO:
60530734

FIGURE NO:
4

MW-13
MW-27 SBR
MW-16
MW-28 DBR
MW-28 SBR
MW-34 SBR
MW-15
MW-8 SBR
MW-8
INJ-02
OBS-3
MW-7 SBR
MW-7
MW-21 DBR
MW-1
MW-22 SBR
MW-35 SBR
DMW-4D
MW-9
MW-9 SBR
MW-26 SBR
DMW-5D
MW-38 SBR
DMW-2S
DMW-2D
MW-10
DMW-1D
MW-23 SBR
MW-36 SBR
DMW-3D
DMW-3S
MW-37 SBR
OBS-6
OBS-8
0.0234
OBS-7
MW-2
MW-3
MW-25 SBR
0.0052
OBS-5
OBS-4
MW-11 SBR
MW-11
C&D-02
MW-19
MW-5
MW-14
MW-5D
MW-6
(abandoned)
MW-32 SBR
MW-33 SBR
C&D-01
OBS-2
OBS-1
0.216
C&D-03
INJ-01
MW-18
MW-20
0.1178
MW-17
0.1958
MW-24 SBR
MW-12
MW-4
MW-30 SBR
MW-29 SBR

LEGEND

N

0.0226 = Lead (mg/L)

Lead Concentration Isopleth (dashed where inferred)

Overburden/Transition Monitoring Well

Shallow Bedrock Monitoring Well

Deep Bedrock Monitoring Well

Buildings

Pipe

Property Boundary (approximate)

Road

Notes:
1) ND = not detected
2) The property boundaries are approximate.

0 100 200 400 Feet

C & D TECHNOLOGIES, INC.

1835 Industrial Blvd.
Conyers, Georgia

AECOM

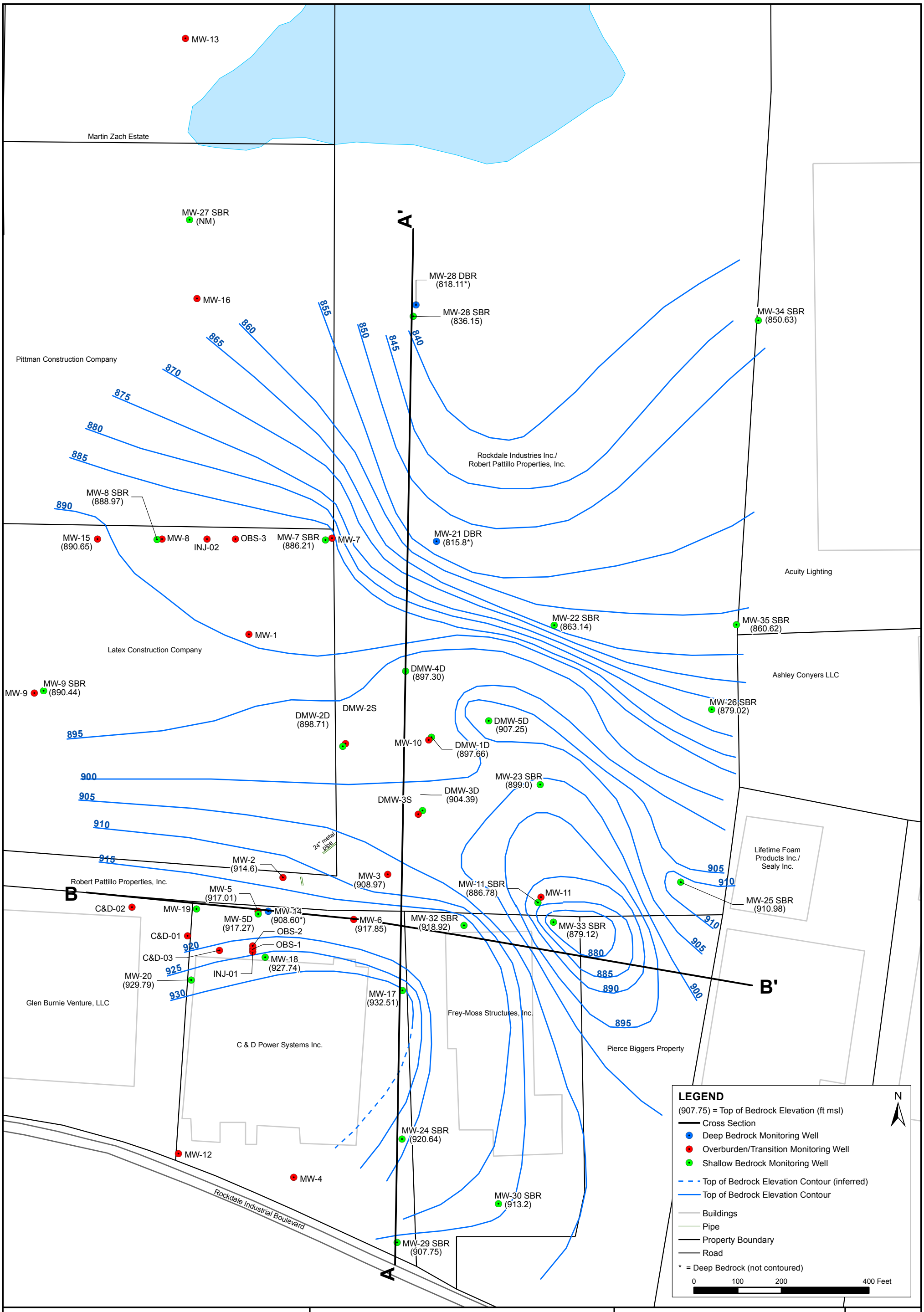
SCALE:	DRAWN BY: PVW	DATE: 5/16/2018
1:2,400 1" = 200'	CHECKED BY: SM	DATE: 5/16/2018

T:\GIS\Franklin_Work\Orr\I-40 Megasite\fig5-2_Grdwtr_Lead_2018_03.mxd

GROUNDWATER LEAD ANALYTICAL RESULTS MARCH 2018 WITH APPROXIMATE LEAD CONCENTRATION ISOPLETHS

PROJECT NO: 60530734

FIGURE NO: 5



C & D TECHNOLOGIES, INC.

1835 Industrial Blvd.
Conyers, Georgia

AECOM

Franklin, Tennessee

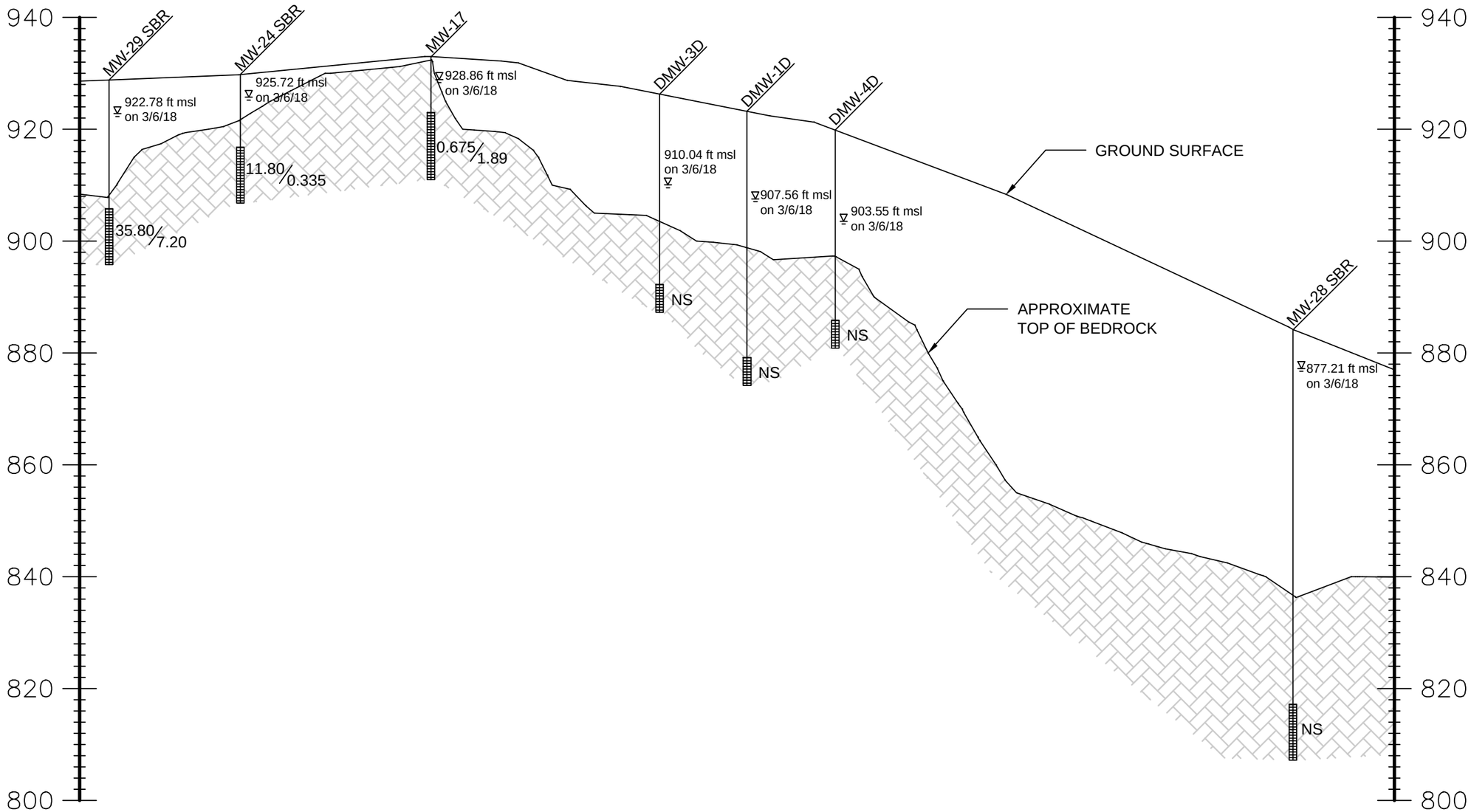
SCALE:	DRAWN BY: DW	DATE: 1/31/2017
1:2,400 1" = 200'	CHECKED BY: CB	DATE: 1/31/2017

G:\C_D_Technologies\Conyers Plant\deliverables\fig1-4_BedrockElevationMap_092016.mxd

APPARENT TOP OF SHALLOW BEDROCK ELEVATIONS CONTOUR MAP

PROJECT NO:
60530734

FIGURE NO:
6



LEGEND

- MONITOR WELL ID
- SOIL BORING
- SCREENED INTERVAL TCE/PCE
- BEDROCK
- ▽ GROUNDWATER ELEVATION
- NS NOT SAMPLED
- ND NOT DETECTED

CROSS SECTION A–A'

HORIZ. 0 200' 400'

VERT. 0 20' 40'

GRAPHIC SCALE

CONCENTRATIONS
CROSS SECTION A-A'

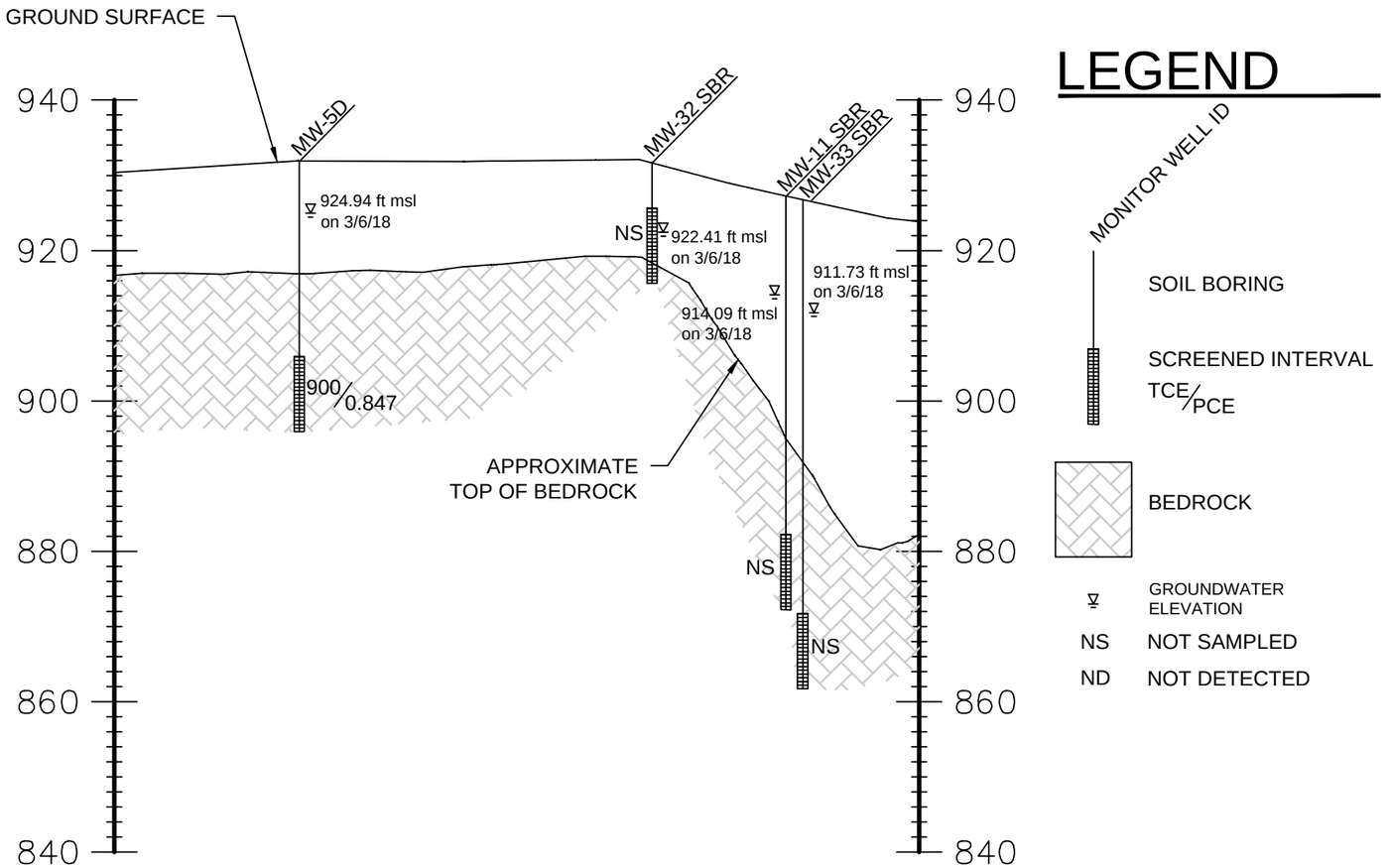
C & D TECHNOLOGIES, INC.
1835 INDUSTRIAL BLVD
CONYERS, GEORGIA

AECOM
1000 CORPORATE CENTRE DR, STE 250
Franklin, TN 37067-6209

DRAWN BY: SD	DATE 08/20/2018
CHECKED BY: CB	JOB NO.: 60530734
SCALE AS SHOWN	

FIGURE 7

S:\2018\C&D Technologies\Conyers, GA\800-CAD-GIS\910-CAD\20-SHEETS\C&D Conyers.dwg User:DouongN Aug 24, 2018 - 3:31pm



CROSS SECTION B–B'

HORIZ. 0 200' 400'

VERT. 0 20' 40'

GRAPHIC SCALE

CONCENTRATIONS
CROSS SECTION B-B'

C & D TECHNOLOGIES, INC.
1835 INDUSTRIAL BLVD
CONYERS, GEORGIA

AECOM
1000 CORPORATE CENTRE DR, STE 250
Franklin, TN 37067-6209

DRAWN BY: SD	DATE 08/20/2018
CHECKED BY: CB	JOB NO.: 60530734
SCALE AS SHOWN	

FIGURE 8

S:\2018\C&D Technologies\Conyers, GA\800-CAD-GIS\810-CAD\20-SHEETS\C&D Conyers.dwg User:Duongn4oyS Aug 24, 2018 - 3:31pm

Appendix A Fate and Transport Modeling

BIOCHLOR is used to simulate natural attenuation process at the site. BIOCHOLOR is a model that simulates remediation by natural attenuation of dissolved solvents at chlorinated solvent release site.

Analytical data in 2016, 2017 and 2018 at the site were used to calibrate the model. The calibration curves are included in Figure 1 through Figure 3. The selected model type is solute transport with biotransformation modeled as sequential first-order decay process. The model simulates the TCE concentrations at the site in 2038, 2058, 2068 and 2078. The modelling results are provided in Figure 4 through Figure 7. The model input is shown in Figure 8. Based on the modelling results, the TCE plume with concentrations exceeding the Type 3 RRS would extend to about 1600 feet down gradient from source area in 2038. TCE concentration at the location 640 feet downgradient from source area will be in compliance with Type 3 RRS by 2058. TCE concentration at the location 320 feet downgradient from source area will be in compliance with Type 3 RRS by 2068. TCE concentration in source area will be in compliance with Type RRS by 2078.

It should be aware that BIOCHLOR has a few limitations. It assumes simple groundwater flow conditions and uniform constant source, hydrogeological and biological property values for the entire model area and therefore simplifies actual site conditions. Therefore, the model should be recalibrated when more analytical data and site information become available.

Figure 1

Model Calibration – 2016 Data

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	160	320	480	640	800	960	1120	1280	1440	1600
No Degradation	5.975	3.328	2.606	2.251	1.997	1.769	1.541	1.306	1.070	0.842	0.634
Biotransformation	5.9750	2.450	1.432	0.940	0.647	0.456	0.324	0.230	0.161	0.111	0.075

	Monitoring Well Locations (ft)										
	0	110	360	800							
Field Data from Site	8.480	0.290	0.436	0.592							

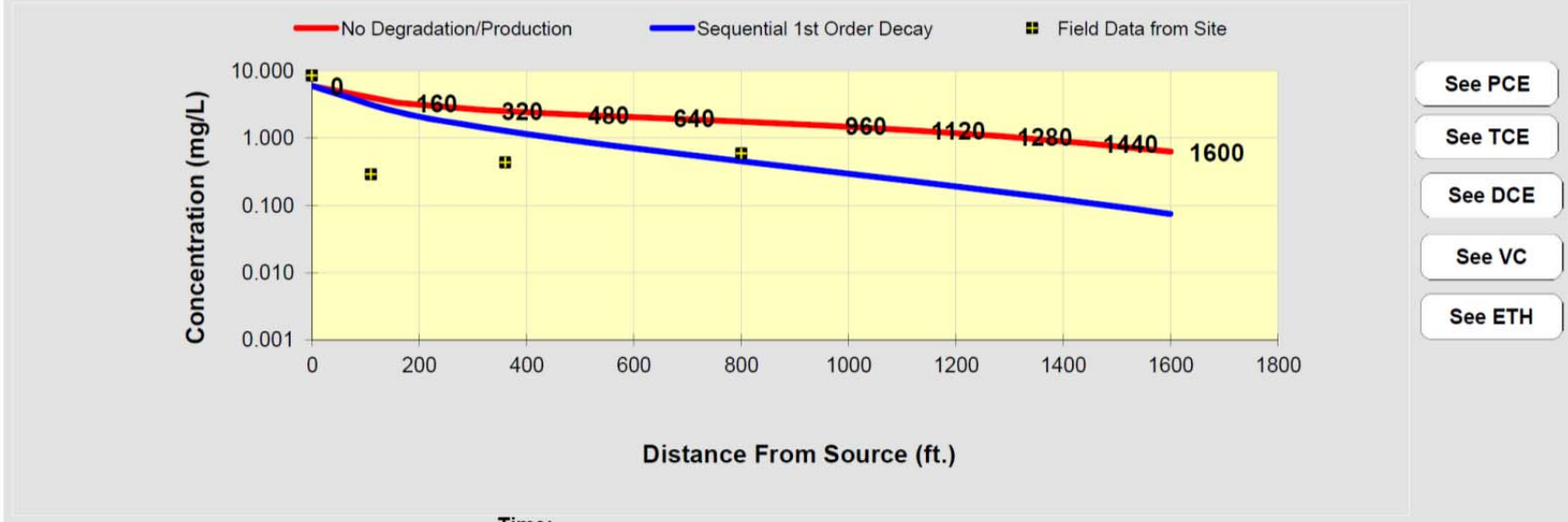


Figure 2

Model Calibration – 2017 Data

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	160	320	480	640	800	960	1120	1280	1440	1600
No Degradation	5.342	2.992	2.367	2.078	1.887	1.725	1.565	1.394	1.213	1.023	0.835
Biotransformation	5.3419	2.192	1.282	0.843	0.583	0.414	0.298	0.216	0.156	0.112	0.079
	Monitoring Well Locations (ft)										
	0	110	360	800							
Field Data from Site	8.330	0.304	0.525	0.807							

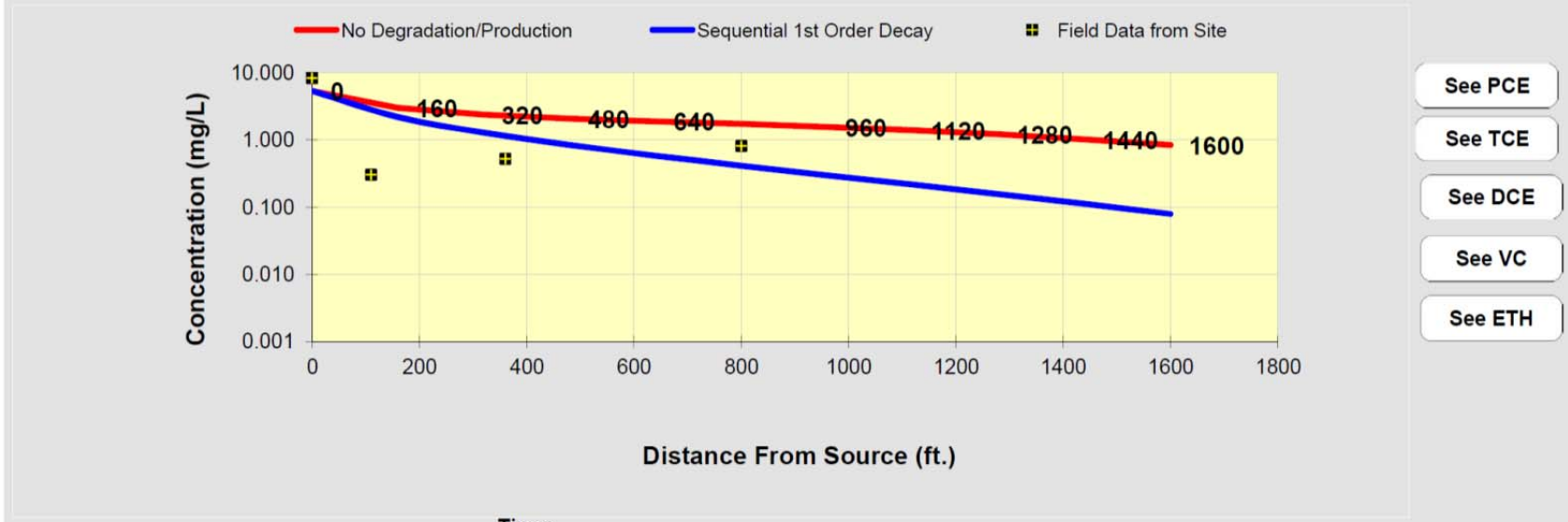


Figure 3

Model Calibration – 2018 Data

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

Distance from Source (ft)

TCE	0	160	320	480	640	800	960	1120	1280	1440	1600
No Degradation	4.776	2.685	2.138	1.897	1.750	1.635	1.525	1.407	1.277	1.133	0.978
Biotransformation	4.7759	1.960	1.147	0.755	0.523	0.373	0.270	0.198	0.145	0.107	0.078

Monitoring Well Locations (ft)

	0	110	360	800							
Field Data from Site	2.450	0.802	0.428	0.321							

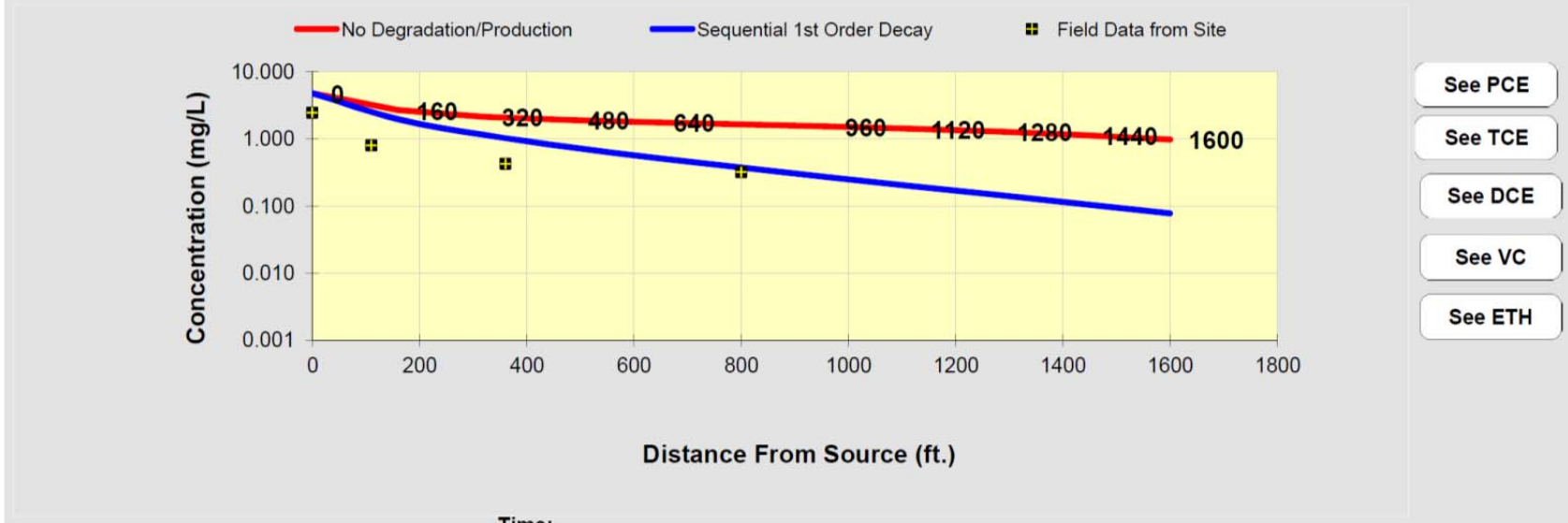


Figure 4

Plume Simulation - 2038

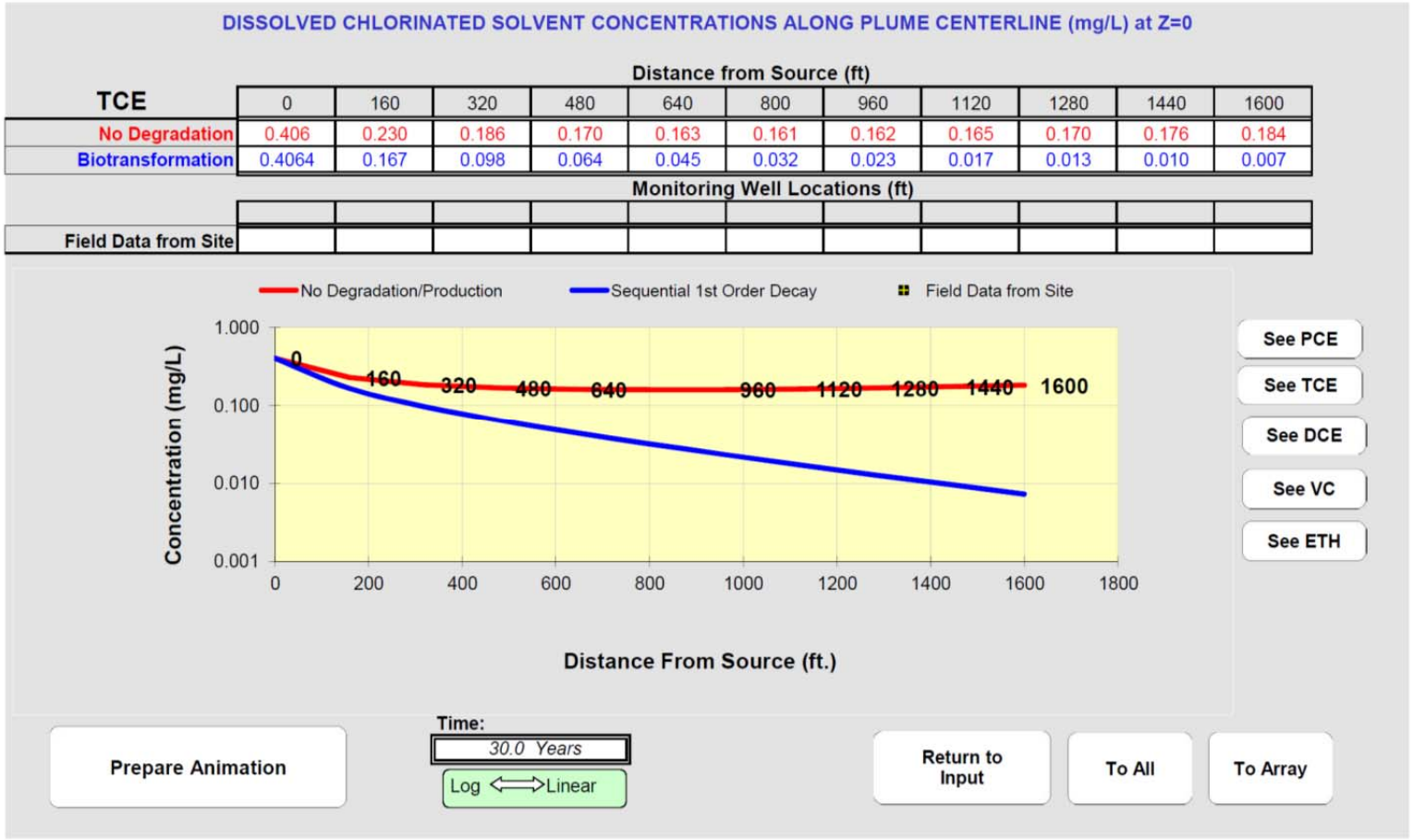


Figure 5

Plume Simulation - 2058

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

	Distance from Source (ft)										
TCE	0	160	320	480	640	800	960	1120	1280	1440	1600
No Degradation	0.043	0.025	0.020	0.018	0.017	0.017	0.017	0.018	0.018	0.019	0.020
Biotransformation	0.0433	0.018	0.010	0.007	0.005	0.003	0.002	0.002	0.001	0.001	0.001
	Monitoring Well Locations (ft)										
Field Data from Site											

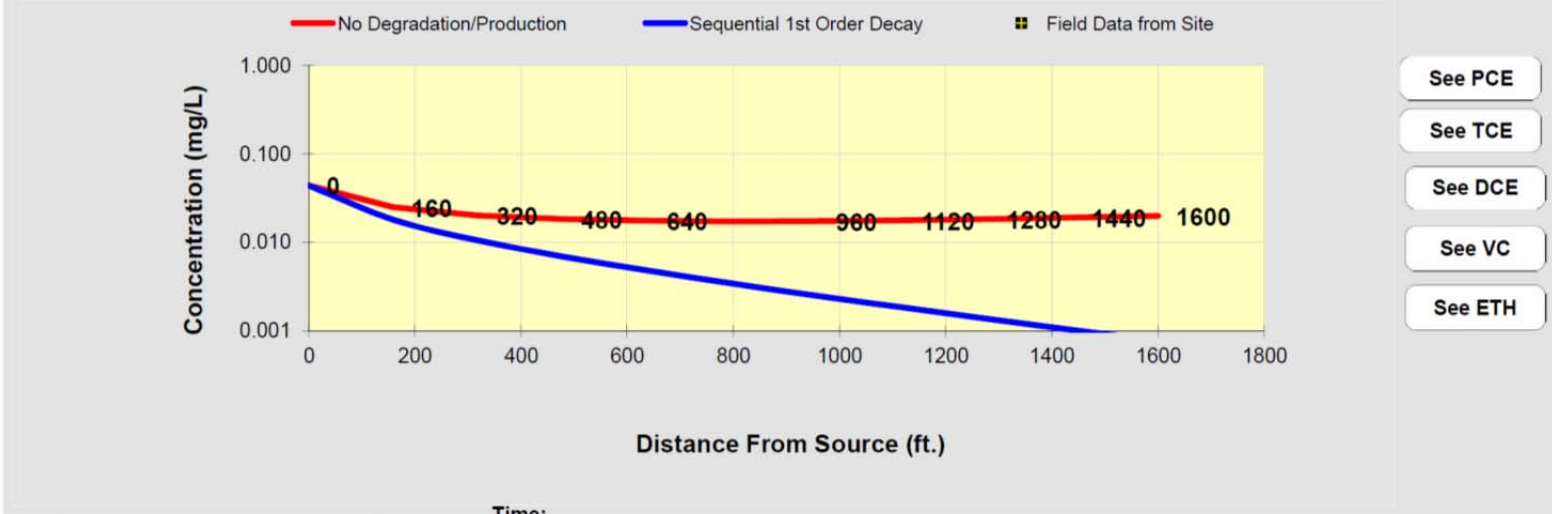
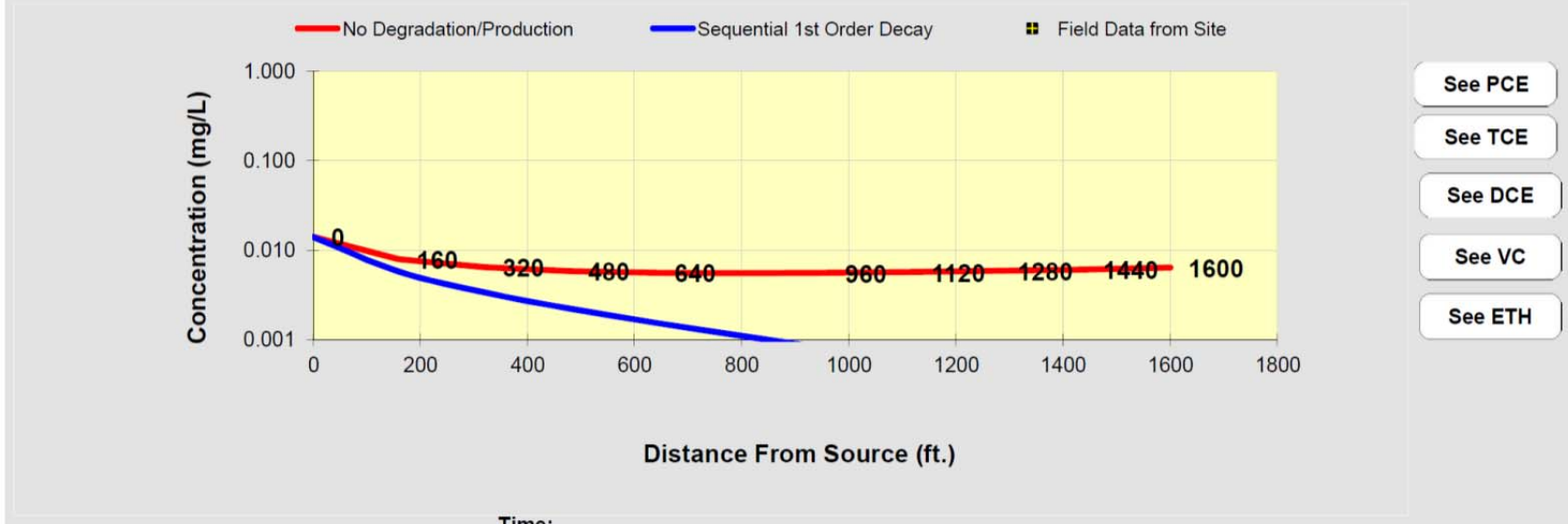


Figure 6

Plume Simulation - 2068

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft)										
	0	160	320	480	640	800	960	1120	1280	1440	1600
No Degradation	0.014	0.008	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Biotransformation	0.0141	0.006	0.003	0.002	0.002	0.001	0.001	0.001	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
Field Data from Site											



Time:
60.0 Years
Log ⟺ Linear

Prepare Animation

Return to Input

To All

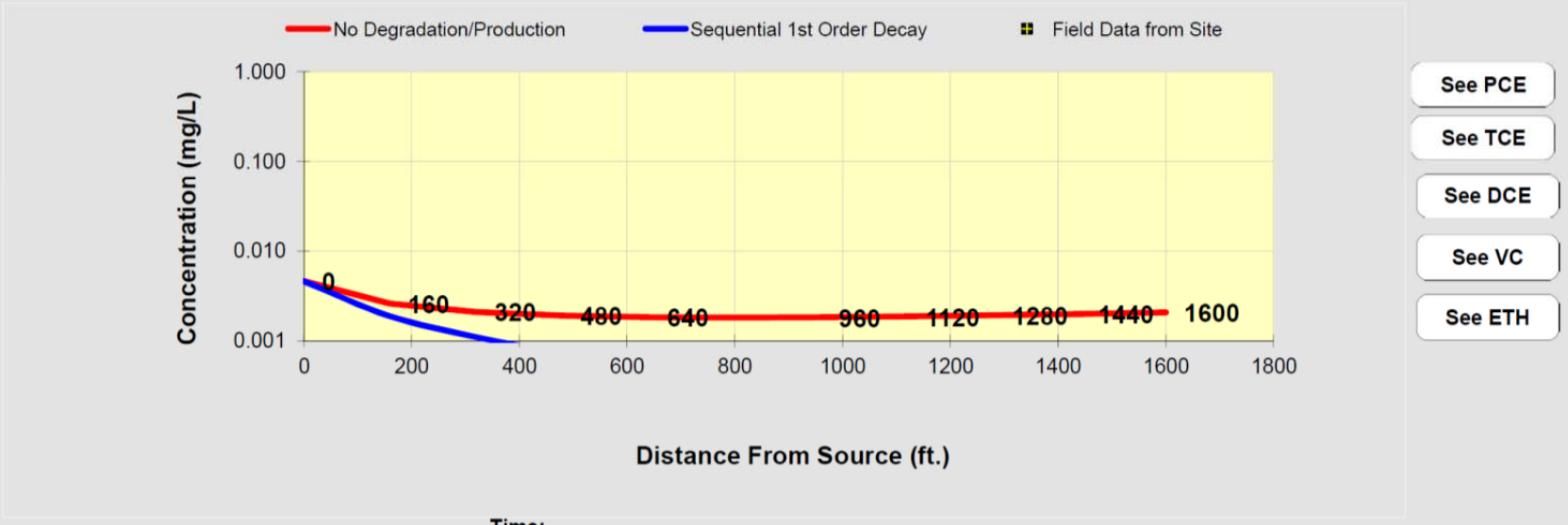
To Array

Figure 7

Plume Simulation - 2078

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

TCE	Distance from Source (ft) 0	160	320	480	640	800	960	1120	1280	1440	1600
No Degradation	0.005	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Biotransformation	0.0046	0.002	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
	Monitoring Well Locations (ft)										
Field Data from Site											



Time: 70.0 Years

Log ⟺ Linear

Prepare Animation

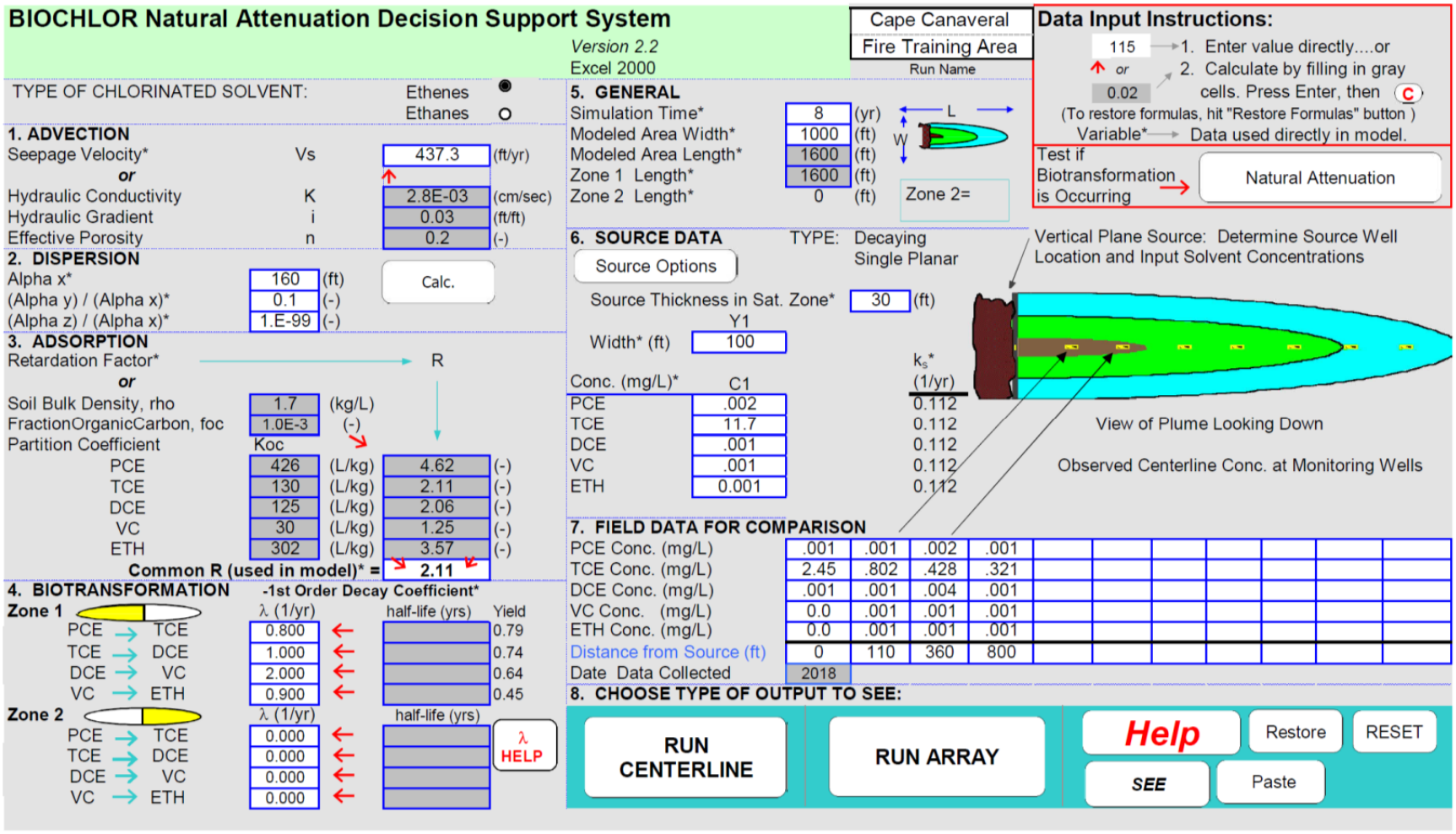
Return to Input

To All

To Array

Figure 8

Model Input



Appendix B Groundwater Sample Collection Field Sheets

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	CD-01	SAMPLE ID:	CD-01
DATE:	3/7/18		

PURGING DATA

WELL DIAMETER (inches):	2"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	1.65	PURGE PUMP TYPE OR BAILER: PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (feet – feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	9'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	9'	PURGING INITIATED AT:	1430	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	YSI - 556 LaMotte Turbidimeter			SERIAL NO(S):			

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1435	0.5	0.5	0.100	2.41	16.77	5.73	269.2	0.122	41.5	3.53
	1440	1.0	1.0	0.100	2.55	16.88	6.23	229.6	0.096	37.4	3.20
	1445	1.0	2.0	0.100	2.63	17.04	6.27	220.5	0.086	32.2	3.07
	1450	1.0	3.0	0.100	2.76	17.15	6.35	212.6	0.082	34.4	3.05
	1455	1.0	4.0	0.100	2.88	17.08	6.43	207.7	0.082	29.6	3.11
	1500	1.0	5.0	0.100	2.98	17.01	6.42	206.0	0.082	26.8	3.14
	1505	1.0	6.0	0.100	3.08	16.86	6.42	203.4	0.083	28.0	3.18
	1510	1.0	7.0	0.100	3.12	16.73	6.42	203.5	0.083	27.4	3.17
	1515	1.0	8.0	0.100	3.16	16.79	6.42	204.7	0.083	26.8	3.14
	1520	1.0	9.0	0.100	3.23	16.74	6.42	203.9	0.083	28.1	3.16
	1525	1.0	9.0	0.100	3.31	16.78	6.42	204.0	0.083	28.0	3.13

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

CD-01 sampled @ 1530 3/7/18

-tubing in well- -drawdown won't stabilize, lowest purge rate possible-

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown: ±0.02'
Temp.: N/A
pH: ± 0.1 units
Turbidity: <10 NTU
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
ORP: N/A
Specific Conductance: ± 5%

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-1	SAMPLE ID: MW-1	DATE: 3/7/18

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	10 feet to 20 feet	11.45	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (20.25 feet – feet) X 0.65 liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
18'	18'	0955		

WATER QUALITY INSTRUMENT(S):	YSI - 556 LaMotte Turbidimeter	SERIAL NO(S):	

CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated

	°C	SU	mV	mS/cm	NTU	mg/L
Precalibration Readings:						
Calibrated Readings:						

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1000	0	0	0.100	11.69	14.51	4.54	856.3	0.503	24.4	7.05
	1005	1	1	0.100	11.81	14.31	4.41	345.3	0.481	14.9	1.32
	1010	1	2	0.100	11.91	14.26	4.15	314.5	0.474	12.8	0.78
	1015	1	3	0.100	11.92	14.33	4.13	310.6	0.469	9.28	0.47
	1020	1	4	0.100	11.94	14.39	4.08	301.2	0.466	9.35	0.43
	1025	1	5	0.100	11.96	14.45	4.07	299.1	0.461	8.63	0.30
	1030	1	6	0.100	11.98	14.41	4.07	285.1	0.455	7.71	0.31
	1035	1	7	0.100	11.99	14.42	4.08	288.7	0.448	6.92	0.29

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

MW-1 sampled @ 1040 3/7/18
– tubing in well –

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown: ±0.02'
Temp.: N/A
pH: ± 0.1 units
Turbidity: <10 NTU
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
ORP: N/A
Specific Conductance: ± 5%

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-2	SAMPLE ID:	MW-2
DATE:	3/8/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	7.5 feet to 17.5 feet	7.81	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (17.5 feet – 7.81 feet) X 0.65 liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.0097 liters/foot) + 0.5 liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
14'	14'	1025	1106	6

WATER QUALITY INSTRUMENT(S):	SERIAL NO(S):
YSI - 556	10L100357
~~LaMotte Turbidimeter~~	15090CO 43761

CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated

	°C	SU	mV	mS/cm	NTU	mg/L
Precalibration Readings:						
Calibrated Readings:						

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1030	0.75	0.75	0.15	8.03	14.86	5.14	29.9	0.371	26.8	5.07
	1035	0.75	1.5	0.15	8.12	14.04	5.34	60.9	0.357	20.1	4.33
	1040	0.75	2.25	0.15	8.18	13.91	5.37	42.1	0.352	14.0	4.17
	1045	0.75	3.00	0.15	8.21	13.69	5.39	46.5	0.350	10.9	4.11
	1050	0.75	3.75	0.15	8.23	13.71	5.38	26.0	0.346	10.4	4.29
	1055	0.75	4.50	0.15	8.25	13.57	5.38	31.2	0.345	9.65	4.09
	1100	0.75	5.25	0.15	8.26	13.67	5.38	31.1	0.342	5.99	4.09
	1105	0.75	6.00	0.15	8.27	13.82	5.36	77.3	0.342	6.23	4.09

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

sample MW-2 collected @ 1105 for VOC's

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-3	SAMPLE ID:	MW-3
DATE:	3/7/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	8.5 feet to 18.5 feet	7.53	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (18.5 feet – 7.53 feet) X 0.65 liters/foot ~ 7.13 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (17' feet X 0.0097 liters/foot) + 0.5 liters ~ 0.66 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
12'	12'	1500		

WATER QUALITY INSTRUMENT(S):	YSI - 556 / ~~LaMotte Turbidimeter~~ HACH 2100Q	SERIAL NO(S):	10L100357 / 15090C043761

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)	☑ Previously Calibrated

	°C	SU	mV	mS/cm	NTU	mg/L
Precalibration Readings:						
Calibrated Readings:						

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	TOTAL VOLUME PURGED (liters)	~~TOTAL~~ VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1505	0.5	0.5	0.18	7.69	13.58	5.48	372.0	0.455	4.72	5.87
	1510	1.25	0.75	0.15	7.79	13.53	5.56	367.6	0.446	3.14	6.12
	1515	2.00	0.75	0.15	7.82	13.60	5.56	365.8	0.435	2.76	5.66
	1520	2.75	0.75	0.15	7.81	13.66	5.64	362.1	0.433	1.75	5.95
	1525	3.50	0.75	0.15	7.81	13.63	5.67	359.5	0.435	2.14	5.95
	1530	4.25	0.75	0.15	7.81	13.63	5.65	354.8	0.435	2.37	5.92

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

MW-3 SAMPLE COLLECTED @ 1530 FOR VOC's

~~MS~~ MS/MSD collected

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-5	SAMPLE ID:	MW-5
DATE:	3/8/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	5 feet to 18 feet	3.53	PERISTALTIC

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (feet – feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: **1 EQUIPMENT VOLUME** = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
13'	13'	1050		

WATER QUALITY INSTRUMENT(S):	SERIAL NO(S):
YSI - 556	
LaMotte Turbidimeter	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1055	1	1	0.100	3.65	18.17	3.98	259.4	5.445	96.2	0.51
	1100	1	2	0.100	3.70	18.26	3.99	263.1	5.281	103	0.93
	1105	1	3	0.100	3.74	17.67	3.99	269.9	5.191	94.1	0.56
	1110	1	4	0.100	3.75	18.38	3.43	356.2	5.113	80.0	4.56
	1115	1	5	0.100	3.75	18.58	3.36	361.7	5.084	65.5	0.28
	1120	1	6	0.100	3.77	18.57	3.20	379.8	4.976	46.6	0.27
	1125	1	7	0.100	3.78	18.72	3.31	394.0	4.883	29.9	0.26
	1130	1	8	0.100	3.80	18.32	3.33	410.4	4.492	19.8	0.27
	1135	1	9	0.100	3.86	18.43	3.31	417.4	4.229	14.5	0.28
	1140	1	10	0.100	3.87	18.43	3.32	398.1	4.034	12.4	0.20
	1145	1	11	0.100	3.85	18.38	3.31	421.6	3.396	9.24	0.19
	1150	1	12	0.100	3.85	18.56	3.33	429.9	3.853	8.74	0.16
	1155	1	13	0.100	3.85	18.57	3.30	435.7	3.799	8.07	0.18
	1200	1	14	0.100	3.85	18.54	3.32	425.6	3.698	5.82	0.18

cleaned out flow through cell →

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

- Installed new tubing in well -

MW-5 sampled @ 1205 3/8/18

- VOCs + Pb

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-5D	SAMPLE ID:	MW-5D
DATE:	3/8/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	26 feet to 36 feet	4.55	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
29'	29'	0935		

WATER QUALITY INSTRUMENT(S):	SERIAL NO(S):
YSI - 556	
LaMotte Turbidimeter	

CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated

	°C	SU	mV	mS/cm	NTU	mg/L
Precalibration Readings:						
Calibrated Readings:						

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0940	1	1	0.100	4.64	17.78	3.76	290.7	14.33	7.68	1.50
	0945	1	2	0.100	4.68	17.94	3.75	267.9	14.75	3.54	0.75
	0950	1	3	0.100	4.69	17.88	3.75	254.0	14.88	2.16	0.56
	0955	1	4	0.100	4.71	17.95	3.74	273.5	14.84	2.58	0.36
	1000	1	5	0.100	4.73	17.95	3.74	283.5	14.87	2.25	0.34
	1005	1	6	0.100	4.74	17.94	3.74	281.4	14.86	1.53	0.34

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

MW-5D sampled @ 1010 3/8/18
VOCs + Pb
– left new tubing in well –

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-8SBR	SAMPLE ID: MW-8SBR	DATE: 3/7/18

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	30 feet to 40 feet	12.35	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (40.55 feet – 12.35 feet) X 0.65 liters/foot = 18.33 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (40 feet X 0.0097 liters/foot) + 0.5 liters = 0.88 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
35	35	1040	1116	5.0

WATER QUALITY INSTRUMENT(S):	SERIAL NO(S):
YSI - 556	10L100357
~~LaMotte Turbidimeter~~ HACH 2100Q	13090C043761

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)	✓ Previously Calibrated			
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1045	0.5	0.5	1.25	12.48	14.19	4.24	386.2	2,492	2.43	2.71
	1050	0.625	1.125	1.25	12.49	14.18	4.19	385.1	2,525	2.75	1.46
	1055	0.625	1.75	1.25	12.50	14.23	4.17	383.0	2.531	1.32	0.94
	1100	0.625	2.405	1.25	12.51	14.21	4.06	392.2	2,532	2.16	0.80
	1105	0.625	3.030	1.25	12.52	14.34	4.15	376.2	2.534	0.74	0.55
	1110	0.625	3.655	1.25	12.52	14.52	4.11	391.4	2.528	1.37	0.52
	1115	0.625	4.29	1.25	12.53	14.55	4.13	392.1	2.532	0.60	0.51

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; 1" = 0.1544

NOTES:

MW-8SBR sample time @ 1115 for VOC's

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown: ±0.02'
Temp.: N/A
pH: ± 0.1 units
Turbidity: <10 NTU
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
ORP: N/A
Specific Conductance: ± 5%

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-17	SAMPLE ID:	MW-17
DATE:	3/8/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	21 feet to 31 feet	3.93	Bladder PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (31.18 feet – 3.93 feet) X 0.65 liters/foot ~ 17.7 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (33 feet X 0.0217 liters/foot) + 0.5 liters ~ 1.21 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
101	31'	1150	1310	40

WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):	
	YSI - 556		10L100357
	~~LaMotte Turbidimeter~~ HACH 21009		15090C043761

CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) Previously Calibrated

	°C	SU	mV	mS/cm	NTU	mg/L
Precalibration Readings:						
Calibrated Readings:						

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
103/20	1155	2.5	2.5	0.5	6.65	16.16	6.37	60.4	0.241	27.0	4.80
	1200	~~5.0~~ 2.5	5.0	0.5	8.41	15.14	6.41	82.4	0.248	66.9	10.05
	1205	2.5	7.5	0.5	9.85	16.43	6.41	86.3	0.241	124	9.71
	1210	2.5	10	0.5	12.00	17.31	6.47	90.5	0.277	63.8	9.70
	1215	2.5	12.5	0.5	13.45	17.28	6.40	93.3	0.244	73.0	9.82
	1220	2.5	15	0.5	15.0	17.21	6.68	65.3	0.270	53.7	10.10
	1225	2.5	17.5	0.5	16.65	18.56	6.51	87.5	0.290	46.6	9.56
	1230	2.5	20	0.5	18.15	18.60	6.61	66.7	0.290	48.1	9.55
	1235	2.5	~~22.5~~ 20	0.5	19.95	18.52	6.68	85.4	0.300	33.9	10.70
	1240	2.5	25	0.5	21.15	19.38	6.64	90.7	0.292	45.7	8.52
	1245	2.5	27.5	0.5	23.00	19.80	6.73	88.1	0.292	49.1	9.51
	1250	2.5	30	0.5	24.02	20.11	6.85	86.4	0.299	40.0	9.21
	1255	2.5	~~30~~ 32.5	0.5	25.95	20.47	6.80	83.1	0.293	205	9.20
	1300	2.5	35	0.5	27.05	20.51	7.00	18.1	0.297	75.5	9.45
	1305	2.5	37.5	0.5	29.87	20.55	7.80	-24.3	0.299	65.7	9.55

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

VOLUME PURGE METHOD
1207 move pump down to 15'
1221 move pump down to 20'
1236 move pump down to 25'
1251 move pump down to 30'

Sample MW-17 collected @ 1305 For VOC's
NOT STABILIZED, collected because well was dry

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-19	SAMPLE ID: MW-19	DATE: 3/8/18

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	8 feet to 17.2 feet	5.00	(PERISTALTIC)

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
13'	13'	0825		

WATER QUALITY INSTRUMENT(S):	SERIAL NO(S):
YSI - 556	
LaMotte Turbidimeter	

CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated

	°C	SU	mV	mS/cm	NTU	mg/L
Precalibration Readings:						
Calibrated Readings:						

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0830	1	~~1.0~~	0.100	5.02	16.57	4.30	405.7	0.640	0.95	1.68
	0835	2	1	0.100	5.02	17.21	4.33	411.0	0.656	1.49	1.24
	0840	3	1	0.100	5.02	17.51	4.22	424.0	1.289	1.10	0.57
	0845	4	1	0.100	5.02	17.57	4.20	431.0	1.307	0.66	0.49
	0850	5	1	0.100	5.02	17.60	4.22	428.7	1.309	0.54	0.52

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

* Dup 2 at this well (VOCs + Pb)

MW-19 sampled @ 0855 3/8/18
VOCs + Pb

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA	
WELL NO:	MW-20	SAMPLE ID:	MW-20	DATE: 3/8/17

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	20 feet to 30 feet	4.75	PERISTALTIC

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: **1 EQUIPMENT VOLUME** = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
25	25	1325		

WATER QUALITY INSTRUMENT(S):	YSI - 556 LaMotte Turbidimeter	SERIAL NO(S):	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1330	1	1	0.100	4.68	19.51	3.50	461.1	3.301	3.35	1.25
	1335	1	2	0.100	4.80	19.39	3.54	475.1	3.034	3.26	0.66
	1340	1	3	0.100	4.78	19.40	3.60	488.5	2.525	4.79	0.44
	1345	1	4	0.100	4.78	19.45	3.59	500.7	2.173	2.24	0.39
	1350	1	5	0.100	4.78	19.18	3.63	502.3	2.052	2.16	0.38
	1355	1	6	0.100	4.77	19.22	3.63	508.7	2.001	1.32	0.34
	1400	1	7	0.100	4.78	19.19	3.61	512.5	2.000	1.68	0.28

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

MW-20 @ 1405 for VOCs + Pb

*Dup 1 (no time) VOCs/Pb

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-24 SBR	SAMPLE ID:	MW-24 SBR
DATE:	3/7/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	13 feet to 23 feet	3.55	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (23.15 feet – feet) X 0.65 liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (2 feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
18'	18'	1115		

WATER QUALITY INSTRUMENT(S):	SERIAL NO(S):
YSI - 556	
LaMotte Turbidimeter	

CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated

	°C	SU	mV	mS/cm	NTU	mg/L
Precalibration Readings:						
Calibrated Readings:						

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1120	0	0	0.100	3.60	16.18	4.50	162.3	0.418	2.94	4.79
	1125	1	1	0.100	3.61	16.20	4.45	196.4	0.423	2.52	4.61
	1130	1	2	0.100	3.60	16.37	4.41	222.1	0.425	2.96	4.33
	1135	1	3	0.100	3.60	16.39	4.41	243.3	0.425	2.48	4.38
	1140	1	4	0.100	3.60	16.41	4.40	255.6	0.425	2.49	4.35

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; **¼"** = 0.0097 ; **⅜"** = 0.0217 ; **½"** = 0.0386 ; **⅝"** = 0.0603 ; **¾"** = 0.0869 ; **⅞"** = 0.1182 ; **1"** = 0.1544

NOTES:

MW-24 SBR sampled @ 1145 3/7/18

– tubing in well –

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown: ±0.02'
Temp.: N/A
pH: ± 0.1 units
Turbidity: <10 NTU
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
ORP: N/A
Specific Conductance: ± 5%

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-29 SBR	SAMPLE ID:	MW-29 SBR
DATE:	3/7/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	21 feet to 31 feet	5.51	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (31 feet – 5.51 feet) X .65 liters/foot = 16.6 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.0097 liters/foot) + 0.5 liters = 0.8 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
25'	25'	1200	1237	

WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):	
	YSI - 556		10L100357
	LaMotte Turbidimeter HACH 2100Q		15090C043761

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1210	0.8	1.6	0.16	5.82	17.74	3.15	454.9	1.545	0.86	3.45
	1215	0.8	2.4	0.16	5.83	17.62	3.35	456.1	1.576	0.60	3.08
	1220	0.8	3.2	0.16	5.83	17.67	3.36	448.8	1.586	0.77	3.08
	1225	0.8	4.0	0.16	5.83	17.75	3.34	462.7	1.477	0.88	3.04
	1230	0.8	4.8	0.16	5.83	18.61	3.24	463.1	1.573	0.75	3.04
	1235	0.8	5.6	0.16	5.83	18.91	3.24	459.9	1.597	0.65	3.00

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; 1" = 0.1544

NOTES:

MW-29 SBR sample time @ 1235 for VOC's

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown: ±0.02' **Turbidity:** <10 NTU **ORP:** N/A
Temp.: N/A **Dissolved Oxygen:** 0.2 mg/L or **Specific Conductance:** ± 5%
pH: ± 0.1 units 10% of saturation (whichever is greater)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-30 SBR	SAMPLE ID:	MW-30 SBR
DATE:	3/7/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	17 feet to 27 feet	4.18	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
21'	21'	1225		

WATER QUALITY INSTRUMENT(S):	YSI - 556 LaMotte Turbidimeter	SERIAL NO(S):	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1230	1	1	0.100	4.27	16.70	6.46	198.3	0.256	2.06	2.85
	1235	1	2	0.100	4.29	17.05	6.45	199.7	0.242	1.26	2.22
	1240	1	3	0.100	4.30	17.16	6.40	200.6	0.230	0.71	2.12
	1245	1	4	0.100	4.29	17.18	6.36	200.9	0.215	0.52	2.14
	1250	1	5	0.100	4.30	17.14	6.33	200.8	0.209	0.59	2.15

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

MW-30 SBR sampled @ 1255 3/7/18

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-36 SBR	SAMPLE ID:	MW-36 SBR
DATE:	3/7/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	29.4 feet to 39.4 feet	12.77	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (39.4 feet – 12.77 feet) X 0.65 liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (40 feet X 0.0097 liters/foot) + 0.5 liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
34'	34'	1410	1436	4.0

WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):	
	YSI - 556		10L100357
	~~LaMotte Turbidimeter~~ HACH 2100Q		15090C043761

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)	☐ Previously Calibrated			
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	TOTAL VOLUME PURGED (liters)	~~TOTAL~~ VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1415	1.0	1.0	0.15	12.84	15.58	3.37	448.2	1.787	7.20	2.04
	1420	1.75	0.75	0.15	12.84	15.61	3.35	460.9	1.787	6.47	1.79
	1425	2.50	0.75	0.15	12.84	15.59	3.32	466.2	1.790	6.20	1.69
	1430	3.25	0.75	0.15	12.84	15.58	3.30	470.2	1.782	6.32	1.55
	1435	4.00	0.75	0.15	12.84	15.62	3.30	471.3	1.759	4.13	1.60

WELL CAPACITY (L Per Ft): 0.75" = 0.10; 1" = 0.20; 1.25" = 0.30; 2" = 0.65; 3" = 1.45; 4" = 2.50; 5" = 3.90; 6" = 5.60; 8" = 9.75; 10" = 15.40; 12" = 21.80
TUBING CAPACITY (L Per Ft): 1/16" = 0.0006 ; 0.17" = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; 1" = 0.1544

NOTES:

MW-36 SBR sampled @ 1435 for VOC's

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown: ±0.02'
Temp.: N/A
pH: ± 0.1 units
Turbidity: <10 NTU
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
ORP: N/A
Specific Conductance: ± 5%

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-37SBR	SAMPLE ID: MW-37SBR	DATE: 3/7/18

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	37' feet to 47' feet	11.26	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (47 feet – 11.26 feet) X 0.65 liters/foot = 23.2 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (49 feet X 0.0097 liters/foot) + 0.5 liters = 0.975 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
42'	42'	0940	1010	5.5

WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):	
	YSI - 556		10L100357
	~~LaMotte Turbidimeter~~ HACH 2100Q		15090C043761

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)	☑ Previously Calibrated				
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0945	0.5	0.5	0.175	11.57	15.39	3.32	334.8	1.204	4.48	1.10
	0950	0.8	1.5	0.175	11.57	15.96	3.31	335.7	1.255	4.11	0.67
	0955	0.8	2.3	0.175	11.60	15.96	3.49	336.6	1.313	4.35	0.49
	1000	0.8	3.0	0.175	11.62	16.08	3.47	347.5	1.408	1.97	0.37
	1005	0.8	3.8	0.175	11.62	16.24	3.45	352.9	1.462	2.15	0.28

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

MW-37SBR SAMPLED @1005 for VOC's

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	MW-38 SBR	SAMPLE ID:	MW-38 SBR
DATE:	3/7/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	30.5 feet to 40.5 feet	11.38	PERISTALTIC

WELL VOLUME PURGE: **1 WELL VOLUME** = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: **1 EQUIPMENT VOLUME** = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
35.5	35.5	0910		

WATER QUALITY INSTRUMENT(S):	SERIAL NO(S):
YSI - 556	
LaMotte Turbidimeter	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0915	1	1	0.200	12.10	15.52	3.79	381.5	2.068	5.79	2.93
	0920	1	2	0.100	11.95	15.16	3.80	408.8	2.063	2.89	2.10
	0925	1	3	0.100	11.96	15.18	3.82	415.3	2.062	1.03	1.46
	0930	1	4	0.100	11.97	15.19	3.81	416.8	2.066	0.89	1.42
	0935	1	5	0.100	11.96	15.20	3.82	418.7	2.061	0.72	1.40

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES:

MW-38 SBR Sampled @ 0940 3/7/18
– left new tubing in well –

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown:	±0.02'	**Turbidity:**	<10 NTU	**ORP:**	N/A
Temp.:	N/A	**Dissolved Oxygen:**	0.2 mg/L or	**Specific Conductance:**	± 5%
pH:	± 0.1 units		10% of saturation (whichever is greater)		

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	C&D Technologies Conyers, GA	SITE LOCATION:	1835 Industrial Blvd Conyers, GA
WELL NO:	~~MW~~ OBS-8	SAMPLE ID:	OBS-8
DATE:	3/8/18		

PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	13.5 feet to 23.5 feet	6.50	PERISTALTIC

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (23.86 feet – 6.50 feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (28 feet X 0.0097 liters/foot) + 0.5 liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
18'	18'	0850	1006	9.0

WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):	
	YSI - 556		10L100357
	~~LaMotte Turbidimeter~~ Hach 2100Q		15090C043761

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)	☑ Previously Calibrated			
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0905	0.625	0.625	0.125	6.76	14.04	3.54	-174.6	2.981	224	0.91
	0910	0.625	1.25	0.125	6.80	14.45	3.59	-142.5	2.503	145	0.56
	0915	0.625	1.875	0.125	6.83	14.72	3.61	-127.0	2.327	102	0.38
	0920	0.625	2.5	0.125	6.86	14.91	3.62	-139.7	2.239	81.0	0.31
	0925	0.625	3.125	0.125	6.87	15.08	3.60	-129.5	2.207	55.4	0.24
	0930	0.625	3.75	0.125	6.92	15.14	3.65	-65.6	2.066	38.3	1.20
	0935	0.625	4.375	0.125	6.93	15.33	3.59	-84.2	2.111	34.4	0.66
	0940	0.625	5.00	0.125	6.95	15.51	3.60	-88.1	2.128	33.6	0.50
	0945	0.625	5.625	0.125	6.96	15.68	3.59	-89.1	2.139	30.2	0.32
	0950	0.625	6.25	0.125	6.97	15.75	3.58	-87.2	2.143	29.2	0.26
	0955	0.625	6.875	0.125	6.98	15.70	3.57	-92.8	2.154	27.8	0.24
	1000	0.625	7.5	0.125	6.99	15.72	3.56	-81.6	2.161	27.9	0.24

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.0006 ; **0.17"** = 0.0045 ; ¼ " = 0.0097 ; ⅜" = 0.0217 ; ½ " = 0.0386 ; ⅝" = 0.0603 ; ¾ " = 0.0869 ; ⅞" = 0.1182 ; **1"** = 0.1544

NOTES: 0925 - EMPTY FLOW THROUGH CELL & CLEAN OUT
purge water is cloudy and blue & smells like Farts

● OBS-8 @ 1000 For VOC's

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown: ±0.02'
Temp.: N/A
pH: ± 0.1 units
Turbidity: <10 NTU
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
ORP: N/A
Specific Conductance: ± 5%

Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-147750-1
Client Project/Site: C&D Conyers GA

For:
URS Corporation
1000 Corp Centre Drive
One Corp Centre Ste
Franklin, Tennessee 37067

Attn: Sara Meissner

Authorized for release by:
3/20/2018 12:53:43 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

Table of Contents

Sample Summary

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-147750-1	MW-1	Water	03/07/18 10:40	03/08/18 10:05
490-147750-2	MW-20	Water	03/07/18 14:05	03/08/18 10:05
490-147750-3	MW-24 SBR	Water	03/07/18 11:45	03/08/18 10:05
490-147750-4	MW-30 SBR	Water	03/07/18 12:55	03/08/18 10:05
490-147750-5	MW-29 SBR	Water	03/07/18 12:35	03/08/18 10:05
490-147750-6	MW-36 SBR	Water	03/07/18 13:40	03/08/18 10:05
490-147750-7	MW-37 SBR	Water	03/07/18 10:05	03/08/18 10:05
490-147750-8	MW-38 SBR	Water	03/07/18 09:40	03/08/18 10:05
490-147750-9	MW-8 SBR	Water	03/07/18 11:15	03/08/18 10:05
490-147750-10	MW-3	Water	03/07/18 15:30	03/08/18 10:05
490-147750-11	DUP-1	Water	03/07/18 01:01	03/08/18 10:05
490-147750-12	CD-01	Water	03/07/18 15:30	03/08/18 10:05

Job ID: 490-147750-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-147750-1

Comments
No additional comments.

Receipt
The samples were received on 3/8/2018 10:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

Receipt Exceptions
The following sample was listed on the Chain of Custody (COC); however, no sample was received: There was Trip Blanks listed on the COC but they was not recieved

GC/MS VOA
Method 8260B: The method blank for analytical batch 490-500397 contained Naphthalene, Hexachlorobutadiene and 1,2,4-Trichlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260B: The method blank for preparation batch 500397 contained 1,2,3-Trichlorobenzene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8260B: The following sample was diluted due to the nature of the sample matrix: MW-38 SBR (490-147750-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6020A: The method blank for preparation batch 490-500262 and analytical batch 490-500770 contained Lead above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client Sample ID: MW-1
Date Collected: 03/07/18 10:40
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 16:39	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 16:39	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 16:39	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 16:39	1
1,1-Dichloroethene	**0.322**	**J**	1.00	0.250	ug/L			03/09/18 16:39	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 16:39	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 16:39	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 16:39	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 16:39	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 16:39	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 16:39	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 16:39	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 16:39	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 16:39	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 16:39	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 16:39	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 16:39	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 16:39	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 16:39	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 16:39	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 16:39	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 16:39	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 16:39	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 16:39	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 16:39	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 16:39	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 16:39	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 16:39	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 16:39	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 16:39	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 16:39	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 16:39	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 16:39	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 16:39	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 16:39	1
cis-1,2-Dichloroethene	**1.51**		1.00	0.210	ug/L			03/09/18 16:39	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 16:39	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 16:39	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 16:39	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 16:39	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 16:39	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 16:39	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 16:39	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-1
Date Collected: 03/07/18 10:40
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 16:39	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 16:39	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 16:39	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/09/18 16:39	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 16:39	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 16:39	1
Trichloroethene	**37.0**		1.00	0.200	ug/L			03/09/18 16:39	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 16:39	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 16:39	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/09/18 16:39*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*03/09/18 16:39*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*03/09/18 16:39*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*03/09/18 16:39*	*1*

Client Sample ID: MW-20
Date Collected: 03/07/18 14:05
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 15:23	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 15:23	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 15:23	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 15:23	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 15:23	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 15:23	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 15:23	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 15:23	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 15:23	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 15:23	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 15:23	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 15:23	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 15:23	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 15:23	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 15:23	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 15:23	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 15:23	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 15:23	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 15:23	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 15:23	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 15:23	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 15:23	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 15:23	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 15:23	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 15:23	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 15:23	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 15:23	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 15:23	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 15:23	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 15:23	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 15:23	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 15:23	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 15:23	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 15:23	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 15:23	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 15:23	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 15:23	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 15:23	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 15:23	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 15:23	1
Hexachlorobutadiene	**0.499**	**J B**	2.00	0.380	ug/L			03/09/18 15:23	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 15:23	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 15:23	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 15:23	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-20
Date Collected: 03/07/18 14:05
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 15:23	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 15:23	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 15:23	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/09/18 15:23	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 15:23	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 15:23	1
Trichloroethene	ND		1.00	0.200	ug/L			03/09/18 15:23	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 15:23	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 15:23	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*03/09/18 15:23*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/09/18 15:23*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*03/09/18 15:23*	*1*
Toluene-d8 (Surr)	*110*		*70 - 130*		*03/09/18 15:23*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.195**	**B**	0.00200	0.000100	mg/L		03/08/18 16:59	03/09/18 12:38	1

Client Sample ID: MW-24 SBR
Date Collected: 03/07/18 11:45
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 17:05	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 17:05	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 17:05	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 17:05	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 17:05	1
1,1-Dichloroethene	**0.297**	**J**	1.00	0.250	ug/L			03/09/18 17:05	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 17:05	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 17:05	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 17:05	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 17:05	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 17:05	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 17:05	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 17:05	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 17:05	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 17:05	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 17:05	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 17:05	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 17:05	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 17:05	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 17:05	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 17:05	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 17:05	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 17:05	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 17:05	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 17:05	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 17:05	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 17:05	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 17:05	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 17:05	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 17:05	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 17:05	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 17:05	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 17:05	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 17:05	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 17:05	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 17:05	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 17:05	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 17:05	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 17:05	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 17:05	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 17:05	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 17:05	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 17:05	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 17:05	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-24 SBR
Date Collected: 03/07/18 11:45
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 17:05	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 17:05	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 17:05	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
Tetrachloroethene	**0.335**	**J**	1.00	0.140	ug/L			03/09/18 17:05	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 17:05	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 17:05	1
Trichloroethene	**11.8**		1.00	0.200	ug/L			03/09/18 17:05	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 17:05	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 17:05	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/09/18 17:05*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*03/09/18 17:05*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*03/09/18 17:05*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*03/09/18 17:05*	*1*

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-30 SBR
Date Collected: 03/07/18 12:55
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 17:30	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 17:30	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 17:30	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 17:30	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 17:30	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 17:30	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 17:30	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 17:30	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 17:30	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 17:30	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 17:30	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 17:30	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 17:30	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 17:30	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 17:30	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 17:30	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 17:30	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 17:30	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 17:30	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 17:30	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 17:30	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 17:30	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 17:30	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 17:30	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 17:30	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 17:30	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 17:30	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 17:30	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 17:30	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 17:30	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 17:30	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 17:30	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 17:30	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 17:30	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 17:30	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 17:30	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 17:30	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 17:30	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 17:30	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 17:30	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 17:30	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 17:30	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 17:30	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 17:30	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-30 SBR
Date Collected: 03/07/18 12:55
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 17:30	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 17:30	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 17:30	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
Tetrachloroethene	**0.158**	**J**	1.00	0.140	ug/L			03/09/18 17:30	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 17:30	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 17:30	1
Trichloroethene	**3.45**		1.00	0.200	ug/L			03/09/18 17:30	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 17:30	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 17:30	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*03/09/18 17:30*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*03/09/18 17:30*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*03/09/18 17:30*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/09/18 17:30*	*1*

Client Sample ID: MW-29 SBR
Date Collected: 03/07/18 12:35
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 17:55	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 17:55	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 17:55	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 17:55	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 17:55	1
1,1-Dichloroethene	**0.255**	**J**	1.00	0.250	ug/L			03/09/18 17:55	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 17:55	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 17:55	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 17:55	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 17:55	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 17:55	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 17:55	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 17:55	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 17:55	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 17:55	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 17:55	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 17:55	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 17:55	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 17:55	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 17:55	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 17:55	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 17:55	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 17:55	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 17:55	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 17:55	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 17:55	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 17:55	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 17:55	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 17:55	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 17:55	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 17:55	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 17:55	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 17:55	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 17:55	1
Chloroform	**2.04**		1.00	0.230	ug/L			03/09/18 17:55	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 17:55	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 17:55	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 17:55	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 17:55	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 17:55	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 17:55	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 17:55	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 17:55	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 17:55	1

Client Sample ID: MW-29 SBR
Date Collected: 03/07/18 12:35
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 17:55	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 17:55	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 17:55	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
Tetrachloroethene	**7.20**		1.00	0.140	ug/L			03/09/18 17:55	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 17:55	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 17:55	1
Trichloroethene	**35.8**		1.00	0.200	ug/L			03/09/18 17:55	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 17:55	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 17:55	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*03/09/18 17:55*	*1*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*03/09/18 17:55*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*03/09/18 17:55*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/09/18 17:55*	*1*

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-36 SBR
Date Collected: 03/07/18 13:40
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 18:46	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 18:46	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 18:46	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 18:46	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 18:46	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 18:46	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 18:46	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 18:46	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 18:46	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 18:46	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 18:46	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 18:46	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 18:46	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 18:46	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 18:46	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 18:46	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 18:46	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 18:46	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 18:46	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 18:46	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 18:46	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 18:46	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 18:46	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 18:46	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 18:46	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 18:46	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 18:46	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 18:46	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 18:46	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 18:46	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 18:46	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 18:46	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 18:46	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 18:46	1
Chloroform	**0.240**	**J**	1.00	0.230	ug/L			03/09/18 18:46	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 18:46	1
cis-1,2-Dichloroethene	**0.280**	**J**	1.00	0.210	ug/L			03/09/18 18:46	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 18:46	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 18:46	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 18:46	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 18:46	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 18:46	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 18:46	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 18:46	1

Client Sample ID: MW-36 SBR
Date Collected: 03/07/18 13:40
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 18:46	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 18:46	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 18:46	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
Tetrachloroethene	**4.23**		1.00	0.140	ug/L			03/09/18 18:46	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 18:46	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 18:46	1
Trichloroethene	**149**		1.00	0.200	ug/L			03/09/18 18:46	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 18:46	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 18:46	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*03/09/18 18:46*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*03/09/18 18:46*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*03/09/18 18:46*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/09/18 18:46*	*1*

Client Sample ID: MW-37 SBR
Date Collected: 03/07/18 10:05
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 19:11	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 19:11	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 19:11	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 19:11	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 19:11	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 19:11	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 19:11	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 19:11	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 19:11	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 19:11	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 19:11	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 19:11	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 19:11	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 19:11	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 19:11	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 19:11	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 19:11	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 19:11	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 19:11	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 19:11	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 19:11	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 19:11	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 19:11	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 19:11	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 19:11	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 19:11	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 19:11	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 19:11	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 19:11	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 19:11	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 19:11	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 19:11	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 19:11	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 19:11	1
Chloroform	**0.400**	**J**	1.00	0.230	ug/L			03/09/18 19:11	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 19:11	1
cis-1,2-Dichloroethene	**0.816**	**J**	1.00	0.210	ug/L			03/09/18 19:11	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 19:11	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 19:11	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 19:11	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 19:11	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 19:11	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 19:11	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 19:11	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-37 SBR
Date Collected: 03/07/18 10:05
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 19:11	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 19:11	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 19:11	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
Tetrachloroethene	**1.59**		1.00	0.140	ug/L			03/09/18 19:11	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 19:11	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 19:11	1
Trichloroethene	**216**		1.00	0.200	ug/L			03/09/18 19:11	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 19:11	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 19:11	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*03/09/18 19:11*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*03/09/18 19:11*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/09/18 19:11*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/09/18 19:11*	*1*

Client Sample ID: MW-38 SBR
Date Collected: 03/07/18 09:40
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.00	0.750	ug/L			03/09/18 20:01	5
1,1,1-Trichloroethane	ND		5.00	0.950	ug/L			03/09/18 20:01	5
1,1,2,2-Tetrachloroethane	ND		5.00	0.950	ug/L			03/09/18 20:01	5
1,1,2-Trichloroethane	ND		5.00	0.950	ug/L			03/09/18 20:01	5
1,1-Dichloroethane	ND		5.00	1.20	ug/L			03/09/18 20:01	5
1,1-Dichloroethene	ND		5.00	1.25	ug/L			03/09/18 20:01	5
1,1-Dichloropropene	ND		5.00	1.00	ug/L			03/09/18 20:01	5
1,2,3-Trichlorobenzene	ND		5.00	1.15	ug/L			03/09/18 20:01	5
1,2,3-Trichloropropane	ND		5.00	1.15	ug/L			03/09/18 20:01	5
1,2,4-Trichlorobenzene	ND		5.00	1.00	ug/L			03/09/18 20:01	5
1,2,4-Trimethylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
1,2-Dibromo-3-Chloropropane	ND		50.0	4.70	ug/L			03/09/18 20:01	5
1,2-Dibromoethane (EDB)	ND		5.00	1.05	ug/L			03/09/18 20:01	5
1,2-Dichlorobenzene	ND		5.00	0.950	ug/L			03/09/18 20:01	5
1,2-Dichloroethane	ND		5.00	1.00	ug/L			03/09/18 20:01	5
1,2-Dichloropropane	ND		5.00	1.25	ug/L			03/09/18 20:01	5
1,3,5-Trimethylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
1,3-Dichlorobenzene	ND		5.00	0.900	ug/L			03/09/18 20:01	5
1,3-Dichloropropane	ND		5.00	0.950	ug/L			03/09/18 20:01	5
1,4-Dichlorobenzene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
2,2-Dichloropropane	ND		5.00	0.800	ug/L			03/09/18 20:01	5
2-Butanone (MEK)	ND		250	13.2	ug/L			03/09/18 20:01	5
2-Chlorotoluene	ND		5.00	0.900	ug/L			03/09/18 20:01	5
2-Hexanone	ND		50.0	6.40	ug/L			03/09/18 20:01	5
4-Chlorotoluene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
4-Methyl-2-pentanone (MIBK)	ND		50.0	4.05	ug/L			03/09/18 20:01	5
Acetone	ND		125	13.3	ug/L			03/09/18 20:01	5
Benzene	ND		5.00	1.00	ug/L			03/09/18 20:01	5
Bromobenzene	ND		5.00	1.05	ug/L			03/09/18 20:01	5
Bromochloromethane	ND		5.00	0.750	ug/L			03/09/18 20:01	5
Bromodichloromethane	ND		5.00	0.850	ug/L			03/09/18 20:01	5
Bromoform	ND		5.00	1.45	ug/L			03/09/18 20:01	5
Bromomethane	ND		5.00	1.75	ug/L			03/09/18 20:01	5
Carbon disulfide	ND		5.00	1.10	ug/L			03/09/18 20:01	5
Carbon tetrachloride	ND		5.00	0.900	ug/L			03/09/18 20:01	5
Chlorobenzene	ND		5.00	0.900	ug/L			03/09/18 20:01	5
Chlorodibromomethane	ND		5.00	1.25	ug/L			03/09/18 20:01	5
Chloroethane	ND		5.00	1.80	ug/L			03/09/18 20:01	5
Chloroform	ND		5.00	1.15	ug/L			03/09/18 20:01	5
Chloromethane	ND		5.00	1.80	ug/L			03/09/18 20:01	5
cis-1,2-Dichloroethene	**38.6**		5.00	1.05	ug/L			03/09/18 20:01	5
cis-1,3-Dichloropropene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
Dibromomethane	ND		5.00	2.25	ug/L			03/09/18 20:01	5
Dichlorodifluoromethane	ND		5.00	0.850	ug/L			03/09/18 20:01	5
Ethylbenzene	ND		5.00	0.950	ug/L			03/09/18 20:01	5
Hexachlorobutadiene	ND		10.0	1.90	ug/L			03/09/18 20:01	5
Isopropylbenzene	ND		5.00	1.65	ug/L			03/09/18 20:01	5
Methyl tert-butyl ether	ND		5.00	0.850	ug/L			03/09/18 20:01	5
Methylene Chloride	ND		25.0	5.00	ug/L			03/09/18 20:01	5

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-38 SBR
Date Collected: 03/07/18 09:40
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		25.0	1.05	ug/L			03/09/18 20:01	5
n-Butylbenzene	ND		5.00	1.20	ug/L			03/09/18 20:01	5
N-Propylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
p-Isopropyltoluene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
sec-Butylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
Styrene	ND		5.00	1.40	ug/L			03/09/18 20:01	5
tert-Butylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
Tetrachloroethene	**1.74**	**J**	5.00	0.700	ug/L			03/09/18 20:01	5
Toluene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
trans-1,2-Dichloroethene	ND		5.00	1.15	ug/L			03/09/18 20:01	5
trans-1,3-Dichloropropene	ND		5.00	0.850	ug/L			03/09/18 20:01	5
Trichloroethene	**428**		5.00	1.00	ug/L			03/09/18 20:01	5
Trichlorofluoromethane	ND		5.00	1.05	ug/L			03/09/18 20:01	5
Vinyl chloride	ND		5.00	0.900	ug/L			03/09/18 20:01	5
Xylenes, Total	ND		15.0	2.90	ug/L			03/09/18 20:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*03/09/18 20:01*	*5*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*03/09/18 20:01*	*5*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*03/09/18 20:01*	*5*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/09/18 20:01*	*5*

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-8 SBR
Date Collected: 03/07/18 11:15
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 19:36	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 19:36	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 19:36	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 19:36	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 19:36	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 19:36	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 19:36	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 19:36	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 19:36	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 19:36	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 19:36	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 19:36	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 19:36	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 19:36	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 19:36	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 19:36	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 19:36	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 19:36	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 19:36	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 19:36	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 19:36	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 19:36	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 19:36	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 19:36	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 19:36	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 19:36	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 19:36	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 19:36	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 19:36	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 19:36	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 19:36	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 19:36	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 19:36	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 19:36	1
Chloroform	**0.341**	**J**	1.00	0.230	ug/L			03/09/18 19:36	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 19:36	1
cis-1,2-Dichloroethene	**0.441**	**J**	1.00	0.210	ug/L			03/09/18 19:36	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 19:36	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 19:36	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 19:36	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 19:36	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 19:36	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 19:36	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 19:36	1

Client Sample ID: MW-8 SBR
Date Collected: 03/07/18 11:15
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 19:36	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 19:36	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 19:36	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
Tetrachloroethene	**1.34**		1.00	0.140	ug/L			03/09/18 19:36	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 19:36	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 19:36	1
Trichloroethene	**321**		1.00	0.200	ug/L			03/09/18 19:36	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 19:36	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 19:36	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*03/09/18 19:36*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/09/18 19:36*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*03/09/18 19:36*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/09/18 19:36*	*1*

Client Sample ID: MW-3
Date Collected: 03/07/18 15:30
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 16:14	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 16:14	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 16:14	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 16:14	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 16:14	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 16:14	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 16:14	1
1,2,3-Trichlorobenzene	ND	F2	1.00	0.230	ug/L			03/09/18 16:14	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 16:14	1
1,2,4-Trichlorobenzene	ND	F2	1.00	0.200	ug/L			03/09/18 16:14	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 16:14	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 16:14	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 16:14	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 16:14	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 16:14	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 16:14	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 16:14	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 16:14	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 16:14	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 16:14	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 16:14	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 16:14	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 16:14	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 16:14	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 16:14	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 16:14	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 16:14	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 16:14	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 16:14	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 16:14	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 16:14	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 16:14	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 16:14	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 16:14	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 16:14	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 16:14	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 16:14	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 16:14	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 16:14	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 16:14	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 16:14	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 16:14	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 16:14	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 16:14	1

Client Sample ID: MW-3
Date Collected: 03/07/18 15:30
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 16:14	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 16:14	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 16:14	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
Tetrachloroethene	**0.488**	**J**	1.00	0.140	ug/L			03/09/18 16:14	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 16:14	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 16:14	1
Trichloroethene	**10.9**		1.00	0.200	ug/L			03/09/18 16:14	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 16:14	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 16:14	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/09/18 16:14*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/09/18 16:14*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*03/09/18 16:14*	*1*
Toluene-d8 (Surr)	*113*		*70 - 130*		*03/09/18 16:14*	*1*

Client Sample ID: DUP-1
Date Collected: 03/07/18 01:01
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 18:20	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 18:20	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 18:20	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 18:20	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 18:20	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 18:20	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 18:20	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 18:20	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 18:20	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 18:20	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 18:20	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 18:20	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 18:20	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 18:20	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 18:20	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 18:20	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 18:20	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 18:20	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 18:20	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 18:20	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 18:20	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 18:20	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 18:20	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 18:20	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 18:20	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 18:20	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 18:20	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 18:20	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 18:20	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 18:20	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 18:20	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 18:20	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 18:20	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 18:20	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 18:20	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 18:20	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 18:20	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 18:20	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 18:20	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 18:20	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 18:20	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 18:20	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 18:20	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 18:20	1

Client Sample ID: DUP-1
Date Collected: 03/07/18 01:01
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 18:20	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 18:20	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 18:20	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/09/18 18:20	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 18:20	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 18:20	1
Trichloroethene	ND		1.00	0.200	ug/L			03/09/18 18:20	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 18:20	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 18:20	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*03/09/18 18:20*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*03/09/18 18:20*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*03/09/18 18:20*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/09/18 18:20*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.192**	**B**	0.00200	0.000100	mg/L		03/08/18 16:59	03/09/18 12:53	1

Client Sample ID: CD-01
Date Collected: 03/07/18 15:30
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 15:49	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 15:49	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 15:49	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 15:49	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 15:49	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 15:49	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 15:49	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 15:49	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 15:49	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 15:49	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 15:49	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 15:49	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 15:49	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 15:49	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 15:49	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 15:49	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 15:49	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 15:49	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 15:49	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 15:49	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 15:49	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 15:49	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 15:49	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 15:49	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 15:49	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 15:49	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 15:49	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 15:49	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 15:49	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 15:49	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 15:49	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 15:49	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 15:49	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 15:49	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 15:49	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 15:49	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 15:49	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 15:49	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 15:49	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 15:49	1
Hexachlorobutadiene	**0.451**	**J B**	2.00	0.380	ug/L			03/09/18 15:49	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 15:49	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 15:49	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 15:49	1

Client Sample ID: CD-01
Date Collected: 03/07/18 15:30
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 15:49	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 15:49	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 15:49	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/09/18 15:49	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 15:49	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 15:49	1
Trichloroethene	ND		1.00	0.200	ug/L			03/09/18 15:49	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 15:49	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 15:49	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/09/18 15:49*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/09/18 15:49*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*03/09/18 15:49*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*03/09/18 15:49*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.117**	**B**	0.00200	0.000100	mg/L		03/08/18 16:59	03/09/18 12:56	1

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

Lab Sample ID: MB 490-500397/9
Matrix: Water
Analysis Batch: 500397

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 14:33	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 14:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 14:33	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 14:33	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 14:33	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 14:33	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 14:33	1
1,2,3-Trichlorobenzene	1.212		1.00	0.230	ug/L			03/09/18 14:33	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 14:33	1
1,2,4-Trichlorobenzene	0.4833	J	1.00	0.200	ug/L			03/09/18 14:33	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 14:33	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 14:33	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 14:33	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 14:33	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 14:33	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 14:33	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 14:33	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 14:33	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 14:33	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 14:33	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 14:33	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 14:33	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 14:33	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 14:33	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 14:33	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 14:33	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 14:33	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 14:33	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 14:33	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 14:33	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 14:33	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 14:33	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 14:33	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 14:33	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 14:33	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 14:33	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 14:33	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 14:33	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 14:33	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 14:33	1
Hexachlorobutadiene	1.589	J	2.00	0.380	ug/L			03/09/18 14:33	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 14:33	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 14:33	1

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

Lab Sample ID: MB 490-500397/9
Matrix: Water
Analysis Batch: 500397

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 14:33	1
Naphthalene	0.4785	J	5.00	0.210	ug/L			03/09/18 14:33	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 14:33	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 14:33	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/09/18 14:33	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 14:33	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 14:33	1
Trichloroethene	ND		1.00	0.200	ug/L			03/09/18 14:33	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 14:33	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 14:33	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/09/18 14:33*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/09/18 14:33*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*03/09/18 14:33*	*1*
Toluene-d8 (Surr)	*112*		*70 - 130*		*03/09/18 14:33*	*1*

Lab Sample ID: LCS 490-500397/4
Matrix: Water
Analysis Batch: 500397

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	19.23		ug/L		96	70 - 130
1,1,1-Trichloroethane	20.0	19.45		ug/L		97	70 - 135
1,1,2,2-Tetrachloroethane	20.0	17.79		ug/L		89	69 - 131
1,1,2-Trichloroethane	20.0	18.82		ug/L		94	70 - 130
1,1-Dichloroethane	20.0	18.18		ug/L		91	70 - 130
1,1-Dichloroethene	20.0	18.25		ug/L		91	70 - 132
1,1-Dichloropropene	20.0	19.16		ug/L		96	70 - 130
1,2,3-Trichlorobenzene	20.0	14.54		ug/L		73	46 - 150
1,2,3-Trichloropropane	20.0	19.15		ug/L		96	70 - 131
1,2,4-Trichlorobenzene	20.0	14.12		ug/L		71	58 - 147
1,2,4-Trimethylbenzene	20.0	19.38		ug/L		97	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	14.26		ug/L		71	45 - 138
1,2-Dibromoethane (EDB)	20.0	18.15		ug/L		91	70 - 130
1,2-Dichlorobenzene	20.0	17.63		ug/L		88	70 - 130
1,2-Dichloroethane	20.0	18.71		ug/L		94	70 - 130
1,2-Dichloropropane	20.0	19.14		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	20.0	19.96		ug/L		100	70 - 130
1,3-Dichlorobenzene	20.0	18.92		ug/L		95	70 - 130
1,3-Dichloropropane	20.0	19.59		ug/L		98	70 - 130
1,4-Dichlorobenzene	20.0	18.58		ug/L		93	70 - 130

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

Lab Sample ID: LCS 490-500397/4
Matrix: Water
Analysis Batch: 500397

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	20.0	16.98		ug/L		85	60 - 143
2-Butanone (MEK)	100	78.74		ug/L		79	55 - 143
2-Chlorotoluene	20.0	21.70		ug/L		109	70 - 130
2-Hexanone	100	86.31		ug/L		86	54 - 142
4-Chlorotoluene	20.0	20.46		ug/L		102	70 - 130
4-Methyl-2-pentanone (MIBK)	100	100.0		ug/L		100	60 - 137
Acetone	100	87.08		ug/L		87	39 - 150
Benzene	20.0	18.54		ug/L		93	70 - 130
Bromobenzene	20.0	20.91		ug/L		105	70 - 130
Bromochloromethane	20.0	15.98		ug/L		80	70 - 130
Bromodichloromethane	20.0	18.79		ug/L		94	70 - 130
Bromoform	20.0	16.46		ug/L		82	70 - 137
Bromomethane	20.0	14.44		ug/L		72	53 - 150
Carbon disulfide	20.0	16.74		ug/L		84	64 - 135
Carbon tetrachloride	20.0	20.47		ug/L		102	70 - 147
Chlorobenzene	20.0	19.52		ug/L		98	70 - 130
Chlorodibromomethane	20.0	19.42		ug/L		97	70 - 133
Chloroethane	20.0	18.99		ug/L		95	60 - 138
Chloroform	20.0	18.05		ug/L		90	70 - 130
Chloromethane	20.0	18.78		ug/L		94	33 - 150
cis-1,2-Dichloroethene	20.0	18.33		ug/L		92	70 - 130
cis-1,3-Dichloropropene	20.0	21.12		ug/L		106	70 - 133
Dibromomethane	20.0	14.94		ug/L		75	70 - 130
Dichlorodifluoromethane	20.0	18.42		ug/L		92	48 - 150
Ethylbenzene	20.0	19.81		ug/L		99	70 - 130
Hexachlorobutadiene	20.0	17.16		ug/L		86	70 - 138
Isopropylbenzene	20.0	17.96		ug/L		90	70 - 131
Methyl tert-butyl ether	20.0	18.78		ug/L		94	70 - 130
Methylene Chloride	20.0	19.59		ug/L		98	70 - 130
Naphthalene	20.0	14.06		ug/L		70	54 - 150
n-Butylbenzene	20.0	18.50		ug/L		93	68 - 137
N-Propylbenzene	20.0	21.36		ug/L		107	70 - 134
p-Isopropyltoluene	20.0	18.61		ug/L		93	66 - 130
sec-Butylbenzene	20.0	19.36		ug/L		97	70 - 135
Styrene	20.0	16.74		ug/L		84	70 - 130
tert-Butylbenzene	20.0	20.22		ug/L		101	70 - 130
Tetrachloroethene	20.0	20.91		ug/L		105	70 - 130
Toluene	20.0	21.42		ug/L		107	70 - 130
trans-1,2-Dichloroethene	20.0	18.60		ug/L		93	70 - 130
trans-1,3-Dichloropropene	20.0	19.29		ug/L		96	63 - 142
Trichloroethene	20.0	18.25		ug/L		91	70 - 130
Trichlorofluoromethane	20.0	18.44		ug/L		92	59 - 150
Vinyl chloride	20.0	19.05		ug/L		95	57 - 137
Xylenes, Total	40.0	36.84		ug/L		92	70 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*

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

Lab Sample ID: LCS 490-500397/4
Matrix: Water
Analysis Batch: 500397

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 490-500397/5
Matrix: Water
Analysis Batch: 500397

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	18.92		ug/L		95	70 - 130	2	13
1,1,1-Trichloroethane	20.0	18.38		ug/L		92	70 - 135	6	15
1,1,2,2-Tetrachloroethane	20.0	18.25		ug/L		91	69 - 131	3	15
1,1,2-Trichloroethane	20.0	18.57		ug/L		93	70 - 130	1	13
1,1-Dichloroethane	20.0	17.91		ug/L		90	70 - 130	2	17
1,1-Dichloroethene	20.0	17.62		ug/L		88	70 - 132	4	20
1,1-Dichloropropene	20.0	18.45		ug/L		92	70 - 130	4	16
1,2,3-Trichlorobenzene	20.0	14.20		ug/L		71	46 - 150	2	16
1,2,3-Trichloropropane	20.0	19.10		ug/L		95	70 - 131	0	14
1,2,4-Trichlorobenzene	20.0	13.24		ug/L		66	58 - 147	6	15
1,2,4-Trimethylbenzene	20.0	19.23		ug/L		96	70 - 130	1	13
1,2-Dibromo-3-Chloropropane	20.0	13.79		ug/L		69	45 - 138	3	19
1,2-Dibromoethane (EDB)	20.0	17.66		ug/L		88	70 - 130	3	13
1,2-Dichlorobenzene	20.0	17.32		ug/L		87	70 - 130	2	12
1,2-Dichloroethane	20.0	18.47		ug/L		92	70 - 130	1	13
1,2-Dichloropropane	20.0	18.93		ug/L		95	70 - 130	1	15
1,3,5-Trimethylbenzene	20.0	20.05		ug/L		100	70 - 130	0	14
1,3-Dichlorobenzene	20.0	18.71		ug/L		94	70 - 130	1	13
1,3-Dichloropropane	20.0	19.13		ug/L		96	70 - 130	2	12
1,4-Dichlorobenzene	20.0	18.19		ug/L		91	70 - 130	2	12
2,2-Dichloropropane	20.0	16.57		ug/L		83	60 - 143	2	20
2-Butanone (MEK)	100	76.38		ug/L		76	55 - 143	3	19
2-Chlorotoluene	20.0	21.46		ug/L		107	70 - 130	1	15
2-Hexanone	100	83.07		ug/L		83	54 - 142	4	17
4-Chlorotoluene	20.0	20.55		ug/L		103	70 - 130	0	15
4-Methyl-2-pentanone (MIBK)	100	94.99		ug/L		95	60 - 137	5	21
Acetone	100	82.46		ug/L		82	39 - 150	5	23
Benzene	20.0	18.11		ug/L		91	70 - 130	2	12
Bromobenzene	20.0	20.60		ug/L		103	70 - 130	1	16
Bromochloromethane	20.0	15.38		ug/L		77	70 - 130	4	16
Bromodichloromethane	20.0	18.44		ug/L		92	70 - 130	2	14
Bromoform	20.0	15.08		ug/L		75	70 - 137	9	14
Bromomethane	20.0	13.65		ug/L		68	53 - 150	6	19
Carbon disulfide	20.0	16.12		ug/L		81	64 - 135	4	16
Carbon tetrachloride	20.0	19.83		ug/L		99	70 - 147	3	16
Chlorobenzene	20.0	18.89		ug/L		94	70 - 130	3	12
Chlorodibromomethane	20.0	18.94		ug/L		95	70 - 133	3	13
Chloroethane	20.0	18.02		ug/L		90	60 - 138	5	15
Chloroform	20.0	17.58		ug/L		88	70 - 130	3	14
Chloromethane	20.0	18.18		ug/L		91	33 - 150	3	20

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

Lab Sample ID: LCSD 490-500397/5
Matrix: Water
Analysis Batch: 500397

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			20.0	18.15		ug/L		91	70 - 130	1	15
cis-1,3-Dichloropropene			20.0	20.64		ug/L		103	70 - 133	2	15
Dibromomethane			20.0	14.67		ug/L		73	70 - 130	2	14
Dichlorodifluoromethane			20.0	18.44		ug/L		92	48 - 150	0	16
Ethylbenzene			20.0	19.28		ug/L		96	70 - 130	3	12
Hexachlorobutadiene			20.0	17.65		ug/L		88	70 - 138	3	16
Isopropylbenzene			20.0	16.98		ug/L		85	70 - 131	6	13
Methyl tert-butyl ether			20.0	18.11		ug/L		91	70 - 130	4	16
Methylene Chloride			20.0	18.95		ug/L		95	70 - 130	3	15
Naphthalene			20.0	13.60		ug/L		68	54 - 150	3	15
n-Butylbenzene			20.0	18.10		ug/L		91	68 - 137	2	14
N-Propylbenzene			20.0	20.98		ug/L		105	70 - 134	2	14
p-Isopropyltoluene			20.0	18.35		ug/L		92	66 - 130	1	13
sec-Butylbenzene			20.0	18.81		ug/L		94	70 - 135	3	14
Styrene			20.0	16.09		ug/L		80	70 - 130	4	12
tert-Butylbenzene			20.0	19.84		ug/L		99	70 - 130	2	14
Tetrachloroethene			20.0	20.15		ug/L		101	70 - 130	4	17
Toluene			20.0	20.63		ug/L		103	70 - 130	4	13
trans-1,2-Dichloroethene			20.0	18.32		ug/L		92	70 - 130	2	15
trans-1,3-Dichloropropene			20.0	18.84		ug/L		94	63 - 142	2	13
Trichloroethene			20.0	18.08		ug/L		90	70 - 130	1	14
Trichlorofluoromethane			20.0	18.04		ug/L		90	59 - 150	2	22
Vinyl chloride			20.0	18.68		ug/L		93	57 - 137	2	15
Xylenes, Total			40.0	35.78		ug/L		89	70 - 132	3	11

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*113*		*70 - 130*

Lab Sample ID: 490-147750-10 MS
Matrix: Water
Analysis Batch: 500397

Client Sample ID: MW-3MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		20.0	23.72		ug/L		119	70 - 131
1,1,1-Trichloroethane	ND		20.0	24.98		ug/L		125	68 - 144
1,1,2,2-Tetrachloroethane	ND		20.0	21.56		ug/L		108	56 - 145
1,1,2-Trichloroethane	ND		20.0	22.24		ug/L		111	70 - 130
1,1-Dichloroethane	ND		20.0	24.93		ug/L		125	61 - 139
1,1-Dichloroethene	ND		20.0	24.79		ug/L		124	54 - 150
1,1-Dichloropropene	ND		20.0	24.37		ug/L		122	54 - 150
1,2,3-Trichlorobenzene	ND	F2	20.0	9.292		ug/L		46	36 - 150
1,2,3-Trichloropropane	ND		20.0	23.18		ug/L		116	65 - 131
1,2,4-Trichlorobenzene	ND	F2	20.0	12.46		ug/L		62	47 - 147
1,2,4-Trimethylbenzene	ND		20.0	23.72		ug/L		119	64 - 136
1,2-Dibromo-3-Chloropropane	ND		20.0	14.02		ug/L		70	38 - 138

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

Lab Sample ID: 490-147750-10 MS
Matrix: Water
Analysis Batch: 500397

Client Sample ID: MW-3MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	ND		20.0	21.79		ug/L		109	65 - 137
1,2-Dichlorobenzene	ND		20.0	20.90		ug/L		104	70 - 130
1,2-Dichloroethane	ND		20.0	24.40		ug/L		122	64 - 136
1,2-Dichloropropane	ND		20.0	23.85		ug/L		119	67 - 130
1,3,5-Trimethylbenzene	ND		20.0	24.78		ug/L		124	69 - 139
1,3-Dichlorobenzene	ND		20.0	22.48		ug/L		112	68 - 131
1,3-Dichloropropane	ND		20.0	22.92		ug/L		115	70 - 130
1,4-Dichlorobenzene	ND		20.0	22.01		ug/L		110	70 - 130
2,2-Dichloropropane	ND		20.0	22.10		ug/L		110	50 - 146
2-Butanone (MEK)	ND		100	90.08		ug/L		90	50 - 143
2-Chlorotoluene	ND		20.0	26.61		ug/L		133	67 - 138
2-Hexanone	ND		100	94.46		ug/L		94	44 - 150
4-Chlorotoluene	ND		20.0	25.15		ug/L		126	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		100	109.5		ug/L		110	50 - 140
Acetone	ND		100	89.55		ug/L		90	39 - 150
Benzene	ND		20.0	23.43		ug/L		117	55 - 147
Bromobenzene	ND		20.0	24.81		ug/L		124	60 - 133
Bromochloromethane	ND		20.0	20.28		ug/L		101	59 - 132
Bromodichloromethane	ND		20.0	23.56		ug/L		118	70 - 140
Bromoform	ND		20.0	19.65		ug/L		98	53 - 150
Bromomethane	ND		20.0	18.10		ug/L		90	30 - 150
Carbon disulfide	ND		20.0	21.38		ug/L		107	35 - 150
Carbon tetrachloride	ND		20.0	26.43		ug/L		132	56 - 150
Chlorobenzene	ND		20.0	23.93		ug/L		120	70 - 130
Chlorodibromomethane	ND		20.0	23.24		ug/L		116	66 - 140
Chloroethane	ND		20.0	25.04		ug/L		125	58 - 141
Chloroform	ND		20.0	24.55		ug/L		123	66 - 138
Chloromethane	ND		20.0	26.83		ug/L		134	10 - 150
cis-1,2-Dichloroethene	ND		20.0	24.58		ug/L		123	68 - 131
cis-1,3-Dichloropropene	ND		20.0	23.98		ug/L		120	70 - 133
Dibromomethane	ND		20.0	19.60		ug/L		98	70 - 130
Dichlorodifluoromethane	ND		20.0	26.66		ug/L		133	10 - 150
Ethylbenzene	ND		20.0	24.35		ug/L		122	65 - 139
Hexachlorobutadiene	ND		20.0	19.26		ug/L		96	61 - 141
Isopropylbenzene	ND		20.0	22.45		ug/L		112	70 - 137
Methyl tert-butyl ether	ND		20.0	21.19		ug/L		106	55 - 141
Methylene Chloride	ND		20.0	25.06		ug/L		125	64 - 130
Naphthalene	ND		20.0	10.29		ug/L		51	32 - 150
n-Butylbenzene	ND		20.0	22.29		ug/L		111	61 - 141
N-Propylbenzene	ND		20.0	26.14		ug/L		131	53 - 150
p-Isopropyltoluene	ND		20.0	22.99		ug/L		115	66 - 137
sec-Butylbenzene	ND		20.0	24.15		ug/L		121	55 - 136
Styrene	ND		20.0	20.99		ug/L		105	70 - 130
tert-Butylbenzene	ND		20.0	25.09		ug/L		125	70 - 138
Tetrachloroethene	0.488	J	20.0	24.94		ug/L		122	57 - 138
Toluene	ND		20.0	25.59		ug/L		128	64 - 136
trans-1,2-Dichloroethene	ND		20.0	24.72		ug/L		124	59 - 143
trans-1,3-Dichloropropene	ND		20.0	22.33		ug/L		112	63 - 142

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

Lab Sample ID: 490-147750-10 MS
Matrix: Water
Analysis Batch: 500397

Client Sample ID: MW-3MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	10.9		20.0	33.27		ug/L		112	63 - 135
Trichlorofluoromethane	ND		20.0	25.89		ug/L		129	44 - 150
Vinyl chloride	ND		20.0	26.22		ug/L		131	57 - 150
Xylenes, Total	ND		40.0	47.17		ug/L		118	69 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*

Lab Sample ID: 490-147750-10 MSD
Matrix: Water
Analysis Batch: 500397

Client Sample ID: MW-3MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		20.0	23.81		ug/L		119	70 - 131	0	16
1,1,1-Trichloroethane	ND		20.0	24.64		ug/L		123	68 - 144	1	17
1,1,2,2-Tetrachloroethane	ND		20.0	21.89		ug/L		109	56 - 145	1	19
1,1,2-Trichloroethane	ND		20.0	22.11		ug/L		111	70 - 130	1	18
1,1-Dichloroethane	ND		20.0	24.94		ug/L		125	61 - 139	0	23
1,1-Dichloroethene	ND		20.0	25.22		ug/L		126	54 - 150	2	24
1,1-Dichloropropene	ND		20.0	24.36		ug/L		122	54 - 150	0	24
1,2,3-Trichlorobenzene	ND	F2	20.0	16.29	F2	ug/L		81	36 - 150	55	43
1,2,3-Trichloropropane	ND		20.0	22.88		ug/L		114	65 - 131	1	19
1,2,4-Trichlorobenzene	ND	F2	20.0	16.18	F2	ug/L		81	47 - 147	26	24
1,2,4-Trimethylbenzene	ND		20.0	23.70		ug/L		119	64 - 136	0	18
1,2-Dibromo-3-Chloropropane	ND		20.0	16.13		ug/L		81	38 - 138	14	26
1,2-Dibromoethane (EDB)	ND		20.0	21.68		ug/L		108	65 - 137	0	21
1,2-Dichlorobenzene	ND		20.0	21.59		ug/L		108	70 - 130	3	15
1,2-Dichloroethane	ND		20.0	24.40		ug/L		122	64 - 136	0	22
1,2-Dichloropropane	ND		20.0	23.81		ug/L		119	67 - 130	0	19
1,3,5-Trimethylbenzene	ND		20.0	25.01		ug/L		125	69 - 139	1	17
1,3-Dichlorobenzene	ND		20.0	22.97		ug/L		115	68 - 131	2	14
1,3-Dichloropropane	ND		20.0	22.64		ug/L		113	70 - 130	1	17
1,4-Dichlorobenzene	ND		20.0	22.55		ug/L		113	70 - 130	2	14
2,2-Dichloropropane	ND		20.0	21.51		ug/L		108	50 - 146	3	20
2-Butanone (MEK)	ND		100	95.84		ug/L		96	50 - 143	6	28
2-Chlorotoluene	ND		20.0	26.89		ug/L		134	67 - 138	1	17
2-Hexanone	ND		100	97.12		ug/L		97	44 - 150	3	21
4-Chlorotoluene	ND		20.0	25.20		ug/L		126	69 - 138	0	15
4-Methyl-2-pentanone (MIBK)	ND		100	109.8		ug/L		110	50 - 140	0	24
Acetone	ND		100	103.1		ug/L		103	39 - 150	14	28
Benzene	ND		20.0	23.33		ug/L		117	55 - 147	0	22
Bromobenzene	ND		20.0	24.81		ug/L		124	60 - 133	0	18
Bromochloromethane	ND		20.0	20.15		ug/L		101	59 - 132	1	21
Bromodichloromethane	ND		20.0	23.65		ug/L		118	70 - 140	0	196
Bromoform	ND		20.0	20.52		ug/L		103	53 - 150	4	20

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

Lab Sample ID: 490-147750-10 MSD
Matrix: Water
Analysis Batch: 500397

Client Sample ID: MW-3MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		20.0	18.72		ug/L		94	30 - 150	3	44
Carbon disulfide	ND		20.0	21.60		ug/L		108	35 - 150	1	34
Carbon tetrachloride	ND		20.0	26.34		ug/L		132	56 - 150	0	18
Chlorobenzene	ND		20.0	24.05		ug/L		120	70 - 130	1	15
Chlorodibromomethane	ND		20.0	23.21		ug/L		116	66 - 140	0	19
Chloroethane	ND		20.0	25.00		ug/L		125	58 - 141	0	31
Chloroform	ND		20.0	24.16		ug/L		121	66 - 138	2	21
Chloromethane	ND		20.0	26.80		ug/L		134	10 - 150	0	43
cis-1,2-Dichloroethene	ND		20.0	24.53		ug/L		123	68 - 131	0	21
cis-1,3-Dichloropropene	ND		20.0	23.85		ug/L		119	70 - 133	1	19
Dibromomethane	ND		20.0	19.16		ug/L		96	70 - 130	2	19
Dichlorodifluoromethane	ND		20.0	26.09		ug/L		130	10 - 150	2	50
Ethylbenzene	ND		20.0	24.13		ug/L		121	65 - 139	1	18
Hexachlorobutadiene	ND		20.0	22.63		ug/L		113	61 - 141	16	26
Isopropylbenzene	ND		20.0	23.20		ug/L		116	70 - 137	3	17
Methyl tert-butyl ether	ND		20.0	21.75		ug/L		109	55 - 141	3	24
Methylene Chloride	ND		20.0	25.16		ug/L		126	64 - 130	0	22
Naphthalene	ND		20.0	15.38		ug/L		77	32 - 150	40	40
n-Butylbenzene	ND		20.0	23.77		ug/L		119	61 - 141	6	17
N-Propylbenzene	ND		20.0	26.42		ug/L		132	53 - 150	1	18
p-Isopropyltoluene	ND		20.0	23.72		ug/L		119	66 - 137	3	16
sec-Butylbenzene	ND		20.0	24.86		ug/L		124	55 - 136	3	50
Styrene	ND		20.0	21.11		ug/L		106	70 - 130	1	16
tert-Butylbenzene	ND		20.0	25.72		ug/L		129	70 - 138	2	17
Tetrachloroethene	0.488	J	20.0	25.11		ug/L		123	57 - 138	1	17
Toluene	ND		20.0	24.79		ug/L		124	64 - 136	3	18
trans-1,2-Dichloroethene	ND		20.0	24.94		ug/L		125	59 - 143	1	25
trans-1,3-Dichloropropene	ND		20.0	22.12		ug/L		111	63 - 142	1	18
Trichloroethene	10.9		20.0	33.71		ug/L		114	63 - 135	1	17
Trichlorofluoromethane	ND		20.0	26.22		ug/L		131	44 - 150	1	32
Vinyl chloride	ND		20.0	25.81		ug/L		129	57 - 150	2	37
Xylenes, Total	ND		40.0	46.20		ug/L		116	69 - 132	2	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 490-500262/1-A
Matrix: Water
Analysis Batch: 500770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 500262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0001200	J	0.00200	0.000100	mg/L		03/08/18 16:59	03/09/18 12:32	1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 490-500262/2-A
Matrix: Water
Analysis Batch: 500770

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 500262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			0.100	0.09710		mg/L		97	80 - 120		

Lab Sample ID: 490-147750-2 MS
Matrix: Water
Analysis Batch: 500770

Client Sample ID: MW-20
Prep Type: Total/NA
Prep Batch: 500262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	0.195	B	0.100	0.2916		mg/L		96	75 - 125		

Lab Sample ID: 490-147750-2 MSD
Matrix: Water
Analysis Batch: 500770

Client Sample ID: MW-20
Prep Type: Total/NA
Prep Batch: 500262

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.195	B	0.100	0.2835		mg/L		88	75 - 125	3	20

GC/MS VOA

Analysis Batch: 500397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-147750-1	MW-1	Total/NA	Water	8260B	
490-147750-2	MW-20	Total/NA	Water	8260B	
490-147750-3	MW-24 SBR	Total/NA	Water	8260B	
490-147750-4	MW-30 SBR	Total/NA	Water	8260B	
490-147750-5	MW-29 SBR	Total/NA	Water	8260B	
490-147750-6	MW-36 SBR	Total/NA	Water	8260B	
490-147750-7	MW-37 SBR	Total/NA	Water	8260B	
490-147750-8	MW-38 SBR	Total/NA	Water	8260B	
490-147750-9	MW-8 SBR	Total/NA	Water	8260B	
490-147750-10	MW-3	Total/NA	Water	8260B	
490-147750-11	DUP-1	Total/NA	Water	8260B	
490-147750-12	CD-01	Total/NA	Water	8260B	
MB 490-500397/9	Method Blank	Total/NA	Water	8260B	
LCS 490-500397/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-500397/5	Lab Control Sample Dup	Total/NA	Water	8260B	
490-147750-10 MS	MW-3MS	Total/NA	Water	8260B	
490-147750-10 MSD	MW-3MSD	Total/NA	Water	8260B	

Metals

Prep Batch: 500262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-147750-2	MW-20	Total/NA	Water	3010A	
490-147750-11	DUP-1	Total/NA	Water	3010A	
490-147750-12	CD-01	Total/NA	Water	3010A	
MB 490-500262/1-A	Method Blank	Total/NA	Water	3010A	
LCS 490-500262/2-A	Lab Control Sample	Total/NA	Water	3010A	
490-147750-2 MS	MW-20	Total/NA	Water	3010A	
490-147750-2 MSD	MW-20	Total/NA	Water	3010A	

Analysis Batch: 500770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-147750-2	MW-20	Total/NA	Water	6020A	500262
490-147750-11	DUP-1	Total/NA	Water	6020A	500262
490-147750-12	CD-01	Total/NA	Water	6020A	500262
MB 490-500262/1-A	Method Blank	Total/NA	Water	6020A	500262
LCS 490-500262/2-A	Lab Control Sample	Total/NA	Water	6020A	500262
490-147750-2 MS	MW-20	Total/NA	Water	6020A	500262
490-147750-2 MSD	MW-20	Total/NA	Water	6020A	500262

Lab Chronicle

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-1
Date Collected: 03/07/18 10:40
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 16:39	AK1	TAL NSH

Client Sample ID: MW-20
Date Collected: 03/07/18 14:05
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 15:23	AK1	TAL NSH
Total/NA	Prep	3010A			500262	03/08/18 16:59	RDF	TAL NSH
Total/NA	Analysis	6020A		1	500770	03/09/18 12:38	BLG	TAL NSH

Client Sample ID: MW-24 SBR
Date Collected: 03/07/18 11:45
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 17:05	AK1	TAL NSH

Client Sample ID: MW-30 SBR
Date Collected: 03/07/18 12:55
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 17:30	AK1	TAL NSH

Client Sample ID: MW-29 SBR
Date Collected: 03/07/18 12:35
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 17:55	AK1	TAL NSH

Client Sample ID: MW-36 SBR
Date Collected: 03/07/18 13:40
Date Received: 03/08/18 10:05

Lab Sample ID: 490-147750-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 18:46	AK1	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Client Sample ID: MW-37 SBR
Lab Sample ID: 490-147750-7
Date Collected: 03/07/18 10:05
Matrix: Water
Date Received: 03/08/18 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 19:11	AK1	TAL NSH

Client Sample ID: MW-38 SBR
Lab Sample ID: 490-147750-8
Date Collected: 03/07/18 09:40
Matrix: Water
Date Received: 03/08/18 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	500397	03/09/18 20:01	AK1	TAL NSH

Client Sample ID: MW-8 SBR
Lab Sample ID: 490-147750-9
Date Collected: 03/07/18 11:15
Matrix: Water
Date Received: 03/08/18 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 19:36	AK1	TAL NSH

Client Sample ID: MW-3
Lab Sample ID: 490-147750-10
Date Collected: 03/07/18 15:30
Matrix: Water
Date Received: 03/08/18 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 16:14	AK1	TAL NSH

Client Sample ID: DUP-1
Lab Sample ID: 490-147750-11
Date Collected: 03/07/18 01:01
Matrix: Water
Date Received: 03/08/18 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 18:20	AK1	TAL NSH
Total/NA	Prep	3010A			500262	03/08/18 16:59	RDF	TAL NSH
Total/NA	Analysis	6020A		1	500770	03/09/18 12:53	BLG	TAL NSH

Client Sample ID: CD-01
Lab Sample ID: 490-147750-12
Date Collected: 03/07/18 15:30
Matrix: Water
Date Received: 03/08/18 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500397	03/09/18 15:49	AK1	TAL NSH
Total/NA	Prep	3010A			500262	03/08/18 16:59	RDF	TAL NSH
Total/NA	Analysis	6020A		1	500770	03/09/18 12:56	BLG	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
6020A	Metals (ICP/MS)	SW846	TAL NSH

Protocol References:

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

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

Laboratory: TestAmerica Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E87358	06-30-18

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Mobile
490-147750 Chain of Custody

Cooler Received/Opened On 3/8/2018 @ 1005

Time Samples Removed From Cooler 14:39 Time Samples Placed In Storage 15:00 (2 Hour Window)

1. Tracking # 4148 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 160406069 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 0.4 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) AJ

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) JJ

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JJ

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JJ

I certify that I attached a label with the unique LIMS number to each container (intial) JJ

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

3/20/2018

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Loc: 490
147750

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SARA MEISSNER	Lab PM: Hayes, Ken	Carrier Tracking No(s):	COC No: 490-81555-23933.1
Client Contact: Sara Meissner	Phone: 860-617-6377	E-Mail: ken.hayes@testamericainc.com		Page: Page 1 of 2
Company: ~~URS Corporation~~ AECOM				Job #: 60530734

Address: 1000 Corp Centre Drive One Corp Centre Ste	Due Date Requested: —	
City: Franklin	TAT Requested (days): Standard	
State, Zip: TN, 37067		
Phone: 615-224-2103(Tel)	PO #: 60530734	
Email: sara.meissner@aecom.com	WO #: V#1427536	
Project Name: C&D Conyers GA	Project #: 49001189	
Site:	SSOW#:	

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A - (MOD) Lead	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A		
MW-1	1040	3/7/18	—	Water				X		
MW-20	1405	3/7/18	—	Water			X	X		
MW-24 SBR	3/7/18	1145	—	Water				X		
MW-30 SBR	3/7/18	1255	—	Water				X		
MW-29 SBR	3/7/18	1235	—	Water				X		
MW-36 SBR	3/7/18	1340	—	Water				X		
MW-37 SBR	3/7/18	1005	—	Water				X		
MW-38 SBR	3/7/18	0940	—	Water				X		
MW-8 SBR	3/7/18	1115	—	Water				X		
MW-3	3/7/18	1530	—	Water				X		
DUP-1	3/7/18	—	—	Water			X	X		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Sara Meissner	Date/Time: 3/7/18 1550	Company: AECOM	Received by:	Date/Time: 3/7/18 1550	Company: TA
Relinquished by:	Date/Time: 3/7/18	Company: TA	Received by:	Date/Time: 03/08/18 0:05	Company: TA-NAS
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 0.4

Ver: 08/04/2016

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

Loc: 490
147750

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: SARA MEISSNER	Lab PM: Hayes, Ken	Carrier Tracking No(s):	COC No: 490-81555-23933.2
Client Contact: Sara Meissner	Phone: 860-617-6377	E-Mail: ken.hayes@testamericainc.com		Page: Page 2 of 2
Company: URS Corporation				Job #:

Address: 1000 Corp Centre Drive One Corp Centre Ste	Due Date Requested: —	Analysis Requested	Preservation Codes:
City: Franklin	TAT Requested (days): Standard		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
State, Zip: TN, 37067			
Phone: 615-224-2103(Tel)	PO #: 60530734		Other:
Email: sara.meissner@aecom.com	WO #: V#1427536		
Project Name: C&D Conyers GA	Project #: 49001189		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A - (MOD) Lead	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A		
CD-01	3/7/18	1530	—	Water			X	X		
Trip Blank	—	—	—	Water				X		
MW-3 (MS/MSD	3/7/18	1530	—	Water				X		
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/7/18 1550	Company AECOM	Received by:	Date/Time: 3/7/18 1550	Company TA
Relinquished by: 3/7/18	Date/Time: 17:00	Company TA	Received by:	Date/Time: 03/08/18 10:05	Company TA-NAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.4

Ver: 08/04/2016

Default Detection Limits

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

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

Analyte	RL	MDL	Units	Method
1,1,1,2-Tetrachloroethane	1.00	0.150	ug/L	8260B
1,1,1-Trichloroethane	1.00	0.190	ug/L	8260B
1,1,2,2-Tetrachloroethane	1.00	0.190	ug/L	8260B
1,1,2-Trichloroethane	1.00	0.190	ug/L	8260B
1,1-Dichloroethane	1.00	0.240	ug/L	8260B
1,1-Dichloroethene	1.00	0.250	ug/L	8260B
1,1-Dichloropropene	1.00	0.200	ug/L	8260B
1,2,3-Trichlorobenzene	1.00	0.230	ug/L	8260B
1,2,3-Trichloropropane	1.00	0.230	ug/L	8260B
1,2,4-Trichlorobenzene	1.00	0.200	ug/L	8260B
1,2,4-Trimethylbenzene	1.00	0.170	ug/L	8260B
1,2-Dibromo-3-Chloropropane	10.0	0.940	ug/L	8260B
1,2-Dibromoethane (EDB)	1.00	0.210	ug/L	8260B
1,2-Dichlorobenzene	1.00	0.190	ug/L	8260B
1,2-Dichloroethane	1.00	0.200	ug/L	8260B
1,2-Dichloropropane	1.00	0.250	ug/L	8260B
1,3,5-Trimethylbenzene	1.00	0.170	ug/L	8260B
1,3-Dichlorobenzene	1.00	0.180	ug/L	8260B
1,3-Dichloropropane	1.00	0.190	ug/L	8260B
1,4-Dichlorobenzene	1.00	0.170	ug/L	8260B
2,2-Dichloropropane	1.00	0.160	ug/L	8260B
2-Butanone (MEK)	50.0	2.64	ug/L	8260B
2-Chlorotoluene	1.00	0.180	ug/L	8260B
2-Hexanone	10.0	1.28	ug/L	8260B
4-Chlorotoluene	1.00	0.170	ug/L	8260B
4-Methyl-2-pentanone (MIBK)	10.0	0.810	ug/L	8260B
Acetone	25.0	2.66	ug/L	8260B
Benzene	1.00	0.200	ug/L	8260B
Bromobenzene	1.00	0.210	ug/L	8260B
Bromochloromethane	1.00	0.150	ug/L	8260B
Bromodichloromethane	1.00	0.170	ug/L	8260B
Bromoform	1.00	0.290	ug/L	8260B
Bromomethane	1.00	0.350	ug/L	8260B
Carbon disulfide	1.00	0.220	ug/L	8260B
Carbon tetrachloride	1.00	0.180	ug/L	8260B
Chlorobenzene	1.00	0.180	ug/L	8260B
Chlorodibromomethane	1.00	0.250	ug/L	8260B
Chloroethane	1.00	0.360	ug/L	8260B
Chloroform	1.00	0.230	ug/L	8260B
Chloromethane	1.00	0.360	ug/L	8260B
cis-1,2-Dichloroethene	1.00	0.210	ug/L	8260B
cis-1,3-Dichloropropene	1.00	0.170	ug/L	8260B
Dibromomethane	1.00	0.450	ug/L	8260B
Dichlorodifluoromethane	1.00	0.170	ug/L	8260B
Ethylbenzene	1.00	0.190	ug/L	8260B
Hexachlorobutadiene	2.00	0.380	ug/L	8260B
Isopropylbenzene	1.00	0.330	ug/L	8260B
Methyl tert-butyl ether	1.00	0.170	ug/L	8260B
Methylene Chloride	5.00	1.00	ug/L	8260B
Naphthalene	5.00	0.210	ug/L	8260B
n-Butylbenzene	1.00	0.240	ug/L	8260B
N-Propylbenzene	1.00	0.170	ug/L	8260B

Default Detection Limits

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147750-1

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

Analyte	RL	MDL	Units	Method
p-Isopropyltoluene	1.00	0.170	ug/L	8260B
sec-Butylbenzene	1.00	0.170	ug/L	8260B
Styrene	1.00	0.280	ug/L	8260B
tert-Butylbenzene	1.00	0.170	ug/L	8260B
Tetrachloroethene	1.00	0.140	ug/L	8260B
Toluene	1.00	0.170	ug/L	8260B
trans-1,2-Dichloroethene	1.00	0.230	ug/L	8260B
trans-1,3-Dichloropropene	1.00	0.170	ug/L	8260B
Trichloroethene	1.00	0.200	ug/L	8260B
Trichlorofluoromethane	1.00	0.210	ug/L	8260B
Vinyl chloride	1.00	0.180	ug/L	8260B
Xylenes, Total	3.00	0.580	ug/L	8260B

Method: 6020A - Metals (ICP/MS)

Prep: 3010A

Analyte	RL	MDL	Units	Method
Lead	0.00200	0.000100	mg/L	6020A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-147850-1
TestAmerica SDG: 1835 Industrial Blvd., Conyers, GA
Client Project/Site: C&D Conyers GA

For:
URS Corporation
1000 Corp Centre Drive
One Corp Centre Ste
Franklin, Tennessee 37067

Attn: Sara Meissner

Authorized for release by:
3/22/2018 9:22:22 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

LINKS

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Table of Contents

Sample Summary

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-147850-1	MW-2	Water	03/08/18 11:05	03/09/18 09:20
490-147850-2	MW-5	Water	03/08/18 12:05	03/09/18 09:20
490-147850-3	MW-5D	Water	03/08/18 10:10	03/09/18 09:20
490-147850-4	MW-17	Water	03/08/18 13:05	03/09/18 09:20
490-147850-5	MW-19	Water	03/08/18 08:55	03/09/18 09:20
490-147850-6	OBS-8	Water	03/08/18 10:00	03/09/18 09:20
490-147850-7	DUP-2	Water	03/08/18 01:01	03/09/18 09:20

Job ID: 490-147850-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-147850-1

Comments
No additional comments.

Receipt
The samples were received on 3/9/2018 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

GC/MS VOA
Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 490-500450 recovered outside control limits for the following analytes: Bromomethane, Carbon disulfide and Chloroethane.

Method 8260B: The method blank for analytical batch 490-500450 contained Hexachlorobutadiene above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method 8260B: The following samples were diluted due to the nature of the sample matrix: MW-5D (490-147850-3) and OBS-8 (490-147850-6). Elevated reporting limits (RLs) are provided.

Method 8260B: The method blank for analytical batch 490-500600 contained Hexachlorobutadiene above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method 8260B: The method blank for analytical batch 490-500600 contained 1,2,3-Trichlorobenzene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8260B: The following sample was diluted due to the nature of the sample matrix: MW-5 (490-147850-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
F2	MS/MSD RPD exceeds control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

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

Client Sample ID: MW-2
Date Collected: 03/08/18 11:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 18:50	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 18:50	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 18:50	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 18:50	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 18:50	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 18:50	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 18:50	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 18:50	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 18:50	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 18:50	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 18:50	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 18:50	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 18:50	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 18:50	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 18:50	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 18:50	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 18:50	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 18:50	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 18:50	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 18:50	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 18:50	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 18:50	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 18:50	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 18:50	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 18:50	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 18:50	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 18:50	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 18:50	1
Bromomethane	ND	*	1.00	0.350	ug/L			03/09/18 18:50	1
Carbon disulfide	ND	*	1.00	0.220	ug/L			03/09/18 18:50	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 18:50	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 18:50	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 18:50	1
Chloroethane	ND	*	1.00	0.360	ug/L			03/09/18 18:50	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 18:50	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 18:50	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 18:50	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 18:50	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 18:50	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 18:50	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 18:50	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 18:50	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 18:50	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 18:50	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Client Sample ID: MW-2
Date Collected: 03/08/18 11:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 18:50	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 18:50	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 18:50	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/09/18 18:50	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 18:50	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 18:50	1
Trichloroethene	ND		1.00	0.200	ug/L			03/09/18 18:50	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 18:50	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 18:50	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*		*03/09/18 18:50*	*1*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*		*03/09/18 18:50*	*1*
Dibromofluoromethane (Surr)	*79*		*70 - 130*		*03/09/18 18:50*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*03/09/18 18:50*	*1*

Client Sample ID: MW-5
Date Collected: 03/08/18 12:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20.0	3.00	ug/L			03/10/18 15:44	20
1,1,1-Trichloroethane	ND	F2	20.0	3.80	ug/L			03/10/18 15:44	20
1,1,2,2-Tetrachloroethane	ND		20.0	3.80	ug/L			03/10/18 15:44	20
1,1,2-Trichloroethane	ND		20.0	3.80	ug/L			03/10/18 15:44	20
1,1-Dichloroethane	ND	F2	20.0	4.80	ug/L			03/10/18 15:44	20
1,1-Dichloroethene	ND		20.0	5.00	ug/L			03/10/18 15:44	20
1,1-Dichloropropene	ND		20.0	4.00	ug/L			03/10/18 15:44	20
1,2,3-Trichlorobenzene	ND		20.0	4.60	ug/L			03/10/18 15:44	20
1,2,3-Trichloropropane	ND		20.0	4.60	ug/L			03/10/18 15:44	20
1,2,4-Trichlorobenzene	ND		20.0	4.00	ug/L			03/10/18 15:44	20
1,2,4-Trimethylbenzene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
1,2-Dibromo-3-Chloropropane	ND		200	18.8	ug/L			03/10/18 15:44	20
1,2-Dibromoethane (EDB)	ND		20.0	4.20	ug/L			03/10/18 15:44	20
1,2-Dichlorobenzene	ND		20.0	3.80	ug/L			03/10/18 15:44	20
1,2-Dichloroethane	ND		20.0	4.00	ug/L			03/10/18 15:44	20
1,2-Dichloropropane	ND		20.0	5.00	ug/L			03/10/18 15:44	20
1,3,5-Trimethylbenzene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
1,3-Dichlorobenzene	ND		20.0	3.60	ug/L			03/10/18 15:44	20
1,3-Dichloropropane	ND		20.0	3.80	ug/L			03/10/18 15:44	20
1,4-Dichlorobenzene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
2,2-Dichloropropane	ND	F2	20.0	3.20	ug/L			03/10/18 15:44	20
2-Butanone (MEK)	ND	F2	1000	52.8	ug/L			03/10/18 15:44	20
2-Chlorotoluene	ND		20.0	3.60	ug/L			03/10/18 15:44	20
2-Hexanone	ND		200	25.6	ug/L			03/10/18 15:44	20
4-Chlorotoluene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
4-Methyl-2-pentanone (MIBK)	ND		200	16.2	ug/L			03/10/18 15:44	20
Acetone	ND		500	53.2	ug/L			03/10/18 15:44	20
Benzene	ND		20.0	4.00	ug/L			03/10/18 15:44	20
Bromobenzene	ND		20.0	4.20	ug/L			03/10/18 15:44	20
Bromochloromethane	ND	F2	20.0	3.00	ug/L			03/10/18 15:44	20
Bromodichloromethane	ND		20.0	3.40	ug/L			03/10/18 15:44	20
Bromoform	ND		20.0	5.80	ug/L			03/10/18 15:44	20
Bromomethane	ND		20.0	7.00	ug/L			03/10/18 15:44	20
Carbon disulfide	ND		20.0	4.40	ug/L			03/10/18 15:44	20
Carbon tetrachloride	ND	F2	20.0	3.60	ug/L			03/10/18 15:44	20
Chlorobenzene	ND		20.0	3.60	ug/L			03/10/18 15:44	20
Chlorodibromomethane	ND		20.0	5.00	ug/L			03/10/18 15:44	20
Chloroethane	ND		20.0	7.20	ug/L			03/10/18 15:44	20
Chloroform	ND	F2	20.0	4.60	ug/L			03/10/18 15:44	20
Chloromethane	ND		20.0	7.20	ug/L			03/10/18 15:44	20
cis-1,2-Dichloroethene	ND	F2	20.0	4.20	ug/L			03/10/18 15:44	20
cis-1,3-Dichloropropene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
Dibromomethane	ND		20.0	9.00	ug/L			03/10/18 15:44	20
Dichlorodifluoromethane	ND		20.0	3.40	ug/L			03/10/18 15:44	20
Ethylbenzene	ND		20.0	3.80	ug/L			03/10/18 15:44	20
Hexachlorobutadiene	ND		40.0	7.60	ug/L			03/10/18 15:44	20
Isopropylbenzene	ND		20.0	6.60	ug/L			03/10/18 15:44	20
Methyl tert-butyl ether	ND		20.0	3.40	ug/L			03/10/18 15:44	20
Methylene Chloride	ND		100	20.0	ug/L			03/10/18 15:44	20

Client Sample ID: MW-5
Date Collected: 03/08/18 12:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		100	4.20	ug/L			03/10/18 15:44	20
n-Butylbenzene	ND		20.0	4.80	ug/L			03/10/18 15:44	20
N-Propylbenzene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
p-Isopropyltoluene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
sec-Butylbenzene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
Styrene	ND		20.0	5.60	ug/L			03/10/18 15:44	20
tert-Butylbenzene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
Tetrachloroethene	ND		20.0	2.80	ug/L			03/10/18 15:44	20
Toluene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
trans-1,2-Dichloroethene	ND		20.0	4.60	ug/L			03/10/18 15:44	20
trans-1,3-Dichloropropene	ND		20.0	3.40	ug/L			03/10/18 15:44	20
Trichloroethene	**2450**	**F2**	20.0	4.00	ug/L			03/10/18 15:44	20
Trichlorofluoromethane	ND		20.0	4.20	ug/L			03/10/18 15:44	20
Vinyl chloride	ND		20.0	3.60	ug/L			03/10/18 15:44	20
Xylenes, Total	ND		60.0	11.6	ug/L			03/10/18 15:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*03/10/18 15:44*	*20*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/10/18 15:44*	*20*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*03/10/18 15:44*	*20*
Toluene-d8 (Surr)	*112*		*70 - 130*		*03/10/18 15:44*	*20*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.00520**		0.00200	0.000100	mg/L		03/12/18 16:35	03/14/18 21:56	1

Client Sample ID: MW-5D
Date Collected: 03/08/18 10:10
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.00	0.750	ug/L			03/09/18 20:37	5
1,1,1-Trichloroethane	ND		5.00	0.950	ug/L			03/09/18 20:37	5
1,1,2,2-Tetrachloroethane	ND		5.00	0.950	ug/L			03/09/18 20:37	5
1,1,2-Trichloroethane	ND		5.00	0.950	ug/L			03/09/18 20:37	5
1,1-Dichloroethane	ND		5.00	1.20	ug/L			03/09/18 20:37	5
1,1-Dichloroethene	ND		5.00	1.25	ug/L			03/09/18 20:37	5
1,1-Dichloropropene	ND		5.00	1.00	ug/L			03/09/18 20:37	5
1,2,3-Trichlorobenzene	ND		5.00	1.15	ug/L			03/09/18 20:37	5
1,2,3-Trichloropropane	ND		5.00	1.15	ug/L			03/09/18 20:37	5
1,2,4-Trichlorobenzene	ND		5.00	1.00	ug/L			03/09/18 20:37	5
1,2,4-Trimethylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
1,2-Dibromo-3-Chloropropane	ND		50.0	4.70	ug/L			03/09/18 20:37	5
1,2-Dibromoethane (EDB)	ND		5.00	1.05	ug/L			03/09/18 20:37	5
1,2-Dichlorobenzene	ND		5.00	0.950	ug/L			03/09/18 20:37	5
1,2-Dichloroethane	ND		5.00	1.00	ug/L			03/09/18 20:37	5
1,2-Dichloropropane	ND		5.00	1.25	ug/L			03/09/18 20:37	5
1,3,5-Trimethylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
1,3-Dichlorobenzene	ND		5.00	0.900	ug/L			03/09/18 20:37	5
1,3-Dichloropropane	ND		5.00	0.950	ug/L			03/09/18 20:37	5
1,4-Dichlorobenzene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
2,2-Dichloropropane	ND		5.00	0.800	ug/L			03/09/18 20:37	5
2-Butanone (MEK)	ND		250	13.2	ug/L			03/09/18 20:37	5
2-Chlorotoluene	ND		5.00	0.900	ug/L			03/09/18 20:37	5
2-Hexanone	ND		50.0	6.40	ug/L			03/09/18 20:37	5
4-Chlorotoluene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
4-Methyl-2-pentanone (MIBK)	ND		50.0	4.05	ug/L			03/09/18 20:37	5
Acetone	**41.7**	**J**	125	13.3	ug/L			03/09/18 20:37	5
Benzene	ND		5.00	1.00	ug/L			03/09/18 20:37	5
Bromobenzene	ND		5.00	1.05	ug/L			03/09/18 20:37	5
Bromochloromethane	ND		5.00	0.750	ug/L			03/09/18 20:37	5
Bromodichloromethane	ND		5.00	0.850	ug/L			03/09/18 20:37	5
Bromoform	ND		5.00	1.45	ug/L			03/09/18 20:37	5
Bromomethane	ND	*	5.00	1.75	ug/L			03/09/18 20:37	5
Carbon disulfide	ND	*	5.00	1.10	ug/L			03/09/18 20:37	5
Carbon tetrachloride	ND		5.00	0.900	ug/L			03/09/18 20:37	5
Chlorobenzene	ND		5.00	0.900	ug/L			03/09/18 20:37	5
Chlorodibromomethane	ND		5.00	1.25	ug/L			03/09/18 20:37	5
Chloroethane	ND	*	5.00	1.80	ug/L			03/09/18 20:37	5
Chloroform	**2.02**	**J**	5.00	1.15	ug/L			03/09/18 20:37	5
Chloromethane	ND		5.00	1.80	ug/L			03/09/18 20:37	5
cis-1,2-Dichloroethene	**2.94**	**J**	5.00	1.05	ug/L			03/09/18 20:37	5
cis-1,3-Dichloropropene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
Dibromomethane	ND		5.00	2.25	ug/L			03/09/18 20:37	5
Dichlorodifluoromethane	ND		5.00	0.850	ug/L			03/09/18 20:37	5
Ethylbenzene	ND		5.00	0.950	ug/L			03/09/18 20:37	5
Hexachlorobutadiene	ND		10.0	1.90	ug/L			03/09/18 20:37	5
Isopropylbenzene	ND		5.00	1.65	ug/L			03/09/18 20:37	5
Methyl tert-butyl ether	ND		5.00	0.850	ug/L			03/09/18 20:37	5
Methylene Chloride	**5.17**	**J**	25.0	5.00	ug/L			03/09/18 20:37	5

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Client Sample ID: MW-5D
Date Collected: 03/08/18 10:10
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		25.0	1.05	ug/L			03/09/18 20:37	5
n-Butylbenzene	ND		5.00	1.20	ug/L			03/09/18 20:37	5
N-Propylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
p-Isopropyltoluene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
sec-Butylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
Styrene	ND		5.00	1.40	ug/L			03/09/18 20:37	5
tert-Butylbenzene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
Tetrachloroethene	**0.847**	**J**	5.00	0.700	ug/L			03/09/18 20:37	5
Toluene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
trans-1,2-Dichloroethene	ND		5.00	1.15	ug/L			03/09/18 20:37	5
trans-1,3-Dichloropropene	ND		5.00	0.850	ug/L			03/09/18 20:37	5
Trichloroethene	**900**		5.00	1.00	ug/L			03/09/18 20:37	5
Trichlorofluoromethane	ND		5.00	1.05	ug/L			03/09/18 20:37	5
Vinyl chloride	ND		5.00	0.900	ug/L			03/09/18 20:37	5
Xylenes, Total	ND		15.0	2.90	ug/L			03/09/18 20:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/09/18 20:37*	*5*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/09/18 20:37*	*5*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*03/09/18 20:37*	*5*
Toluene-d8 (Surr)	*108*		*70 - 130*		*03/09/18 20:37*	*5*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.216**		0.00200	0.000100	mg/L		03/12/18 16:35	03/14/18 22:05	1

Client Sample ID: MW-17
Date Collected: 03/08/18 13:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 19:17	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 19:17	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 19:17	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 19:17	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 19:17	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 19:17	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 19:17	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 19:17	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 19:17	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 19:17	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 19:17	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 19:17	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 19:17	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 19:17	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 19:17	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 19:17	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 19:17	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 19:17	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 19:17	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 19:17	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 19:17	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 19:17	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 19:17	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 19:17	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 19:17	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 19:17	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 19:17	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 19:17	1
Bromomethane	ND	*	1.00	0.350	ug/L			03/09/18 19:17	1
Carbon disulfide	ND	*	1.00	0.220	ug/L			03/09/18 19:17	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 19:17	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 19:17	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 19:17	1
Chloroethane	ND	*	1.00	0.360	ug/L			03/09/18 19:17	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 19:17	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 19:17	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 19:17	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 19:17	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 19:17	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 19:17	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 19:17	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 19:17	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 19:17	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 19:17	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Client Sample ID: MW-17
Date Collected: 03/08/18 13:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 19:17	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 19:17	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 19:17	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
Tetrachloroethene	**1.89**		1.00	0.140	ug/L			03/09/18 19:17	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 19:17	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 19:17	1
Trichloroethene	**0.675**	**J**	1.00	0.200	ug/L			03/09/18 19:17	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 19:17	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 19:17	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*03/09/18 19:17*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/09/18 19:17*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*03/09/18 19:17*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*03/09/18 19:17*	*1*

Client Sample ID: MW-19
Date Collected: 03/08/18 08:55
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 19:43	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 19:43	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 19:43	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 19:43	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 19:43	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 19:43	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 19:43	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 19:43	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 19:43	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 19:43	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 19:43	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 19:43	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 19:43	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 19:43	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 19:43	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 19:43	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 19:43	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 19:43	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 19:43	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 19:43	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 19:43	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 19:43	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 19:43	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 19:43	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 19:43	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 19:43	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 19:43	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 19:43	1
Bromomethane	ND	*	1.00	0.350	ug/L			03/09/18 19:43	1
Carbon disulfide	ND	*	1.00	0.220	ug/L			03/09/18 19:43	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 19:43	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 19:43	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 19:43	1
Chloroethane	ND	*	1.00	0.360	ug/L			03/09/18 19:43	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 19:43	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 19:43	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 19:43	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 19:43	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 19:43	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 19:43	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			03/09/18 19:43	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 19:43	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 19:43	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 19:43	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Client Sample ID: MW-19
Date Collected: 03/08/18 08:55
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 19:43	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 19:43	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 19:43	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/09/18 19:43	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 19:43	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 19:43	1
Trichloroethene	**0.961**	**J**	1.00	0.200	ug/L			03/09/18 19:43	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 19:43	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 19:43	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/09/18 19:43*	*1*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/09/18 19:43*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*03/09/18 19:43*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/09/18 19:43*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.0234**		0.00200	0.000100	mg/L		03/12/18 16:35	03/14/18 22:08	1

Client Sample ID: OBS-8
Date Collected: 03/08/18 10:00
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.00	0.750	ug/L			03/09/18 21:04	5
1,1,1-Trichloroethane	ND		5.00	0.950	ug/L			03/09/18 21:04	5
1,1,2,2-Tetrachloroethane	ND		5.00	0.950	ug/L			03/09/18 21:04	5
1,1,2-Trichloroethane	ND		5.00	0.950	ug/L			03/09/18 21:04	5
1,1-Dichloroethane	ND		5.00	1.20	ug/L			03/09/18 21:04	5
1,1-Dichloroethene	ND		5.00	1.25	ug/L			03/09/18 21:04	5
1,1-Dichloropropene	ND		5.00	1.00	ug/L			03/09/18 21:04	5
1,2,3-Trichlorobenzene	ND		5.00	1.15	ug/L			03/09/18 21:04	5
1,2,3-Trichloropropane	ND		5.00	1.15	ug/L			03/09/18 21:04	5
1,2,4-Trichlorobenzene	ND		5.00	1.00	ug/L			03/09/18 21:04	5
1,2,4-Trimethylbenzene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
1,2-Dibromo-3-Chloropropane	ND		50.0	4.70	ug/L			03/09/18 21:04	5
1,2-Dibromoethane (EDB)	ND		5.00	1.05	ug/L			03/09/18 21:04	5
1,2-Dichlorobenzene	ND		5.00	0.950	ug/L			03/09/18 21:04	5
1,2-Dichloroethane	ND		5.00	1.00	ug/L			03/09/18 21:04	5
1,2-Dichloropropane	ND		5.00	1.25	ug/L			03/09/18 21:04	5
1,3,5-Trimethylbenzene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
1,3-Dichlorobenzene	ND		5.00	0.900	ug/L			03/09/18 21:04	5
1,3-Dichloropropane	ND		5.00	0.950	ug/L			03/09/18 21:04	5
1,4-Dichlorobenzene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
2,2-Dichloropropane	ND		5.00	0.800	ug/L			03/09/18 21:04	5
2-Butanone (MEK)	**14.7**	**J**	250	13.2	ug/L			03/09/18 21:04	5
2-Chlorotoluene	ND		5.00	0.900	ug/L			03/09/18 21:04	5
2-Hexanone	ND		50.0	6.40	ug/L			03/09/18 21:04	5
4-Chlorotoluene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
4-Methyl-2-pentanone (MIBK)	ND		50.0	4.05	ug/L			03/09/18 21:04	5
Acetone	**26.2**	**J**	125	13.3	ug/L			03/09/18 21:04	5
Benzene	ND		5.00	1.00	ug/L			03/09/18 21:04	5
Bromobenzene	ND		5.00	1.05	ug/L			03/09/18 21:04	5
Bromochloromethane	ND		5.00	0.750	ug/L			03/09/18 21:04	5
Bromodichloromethane	ND		5.00	0.850	ug/L			03/09/18 21:04	5
Bromoform	ND		5.00	1.45	ug/L			03/09/18 21:04	5
Bromomethane	ND	*	5.00	1.75	ug/L			03/09/18 21:04	5
Carbon disulfide	ND	*	5.00	1.10	ug/L			03/09/18 21:04	5
Carbon tetrachloride	ND		5.00	0.900	ug/L			03/09/18 21:04	5
Chlorobenzene	ND		5.00	0.900	ug/L			03/09/18 21:04	5
Chlorodibromomethane	ND		5.00	1.25	ug/L			03/09/18 21:04	5
Chloroethane	ND	*	5.00	1.80	ug/L			03/09/18 21:04	5
Chloroform	ND		5.00	1.15	ug/L			03/09/18 21:04	5
Chloromethane	ND		5.00	1.80	ug/L			03/09/18 21:04	5
cis-1,2-Dichloroethene	**171**		5.00	1.05	ug/L			03/09/18 21:04	5
cis-1,3-Dichloropropene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
Dibromomethane	ND		5.00	2.25	ug/L			03/09/18 21:04	5
Dichlorodifluoromethane	ND		5.00	0.850	ug/L			03/09/18 21:04	5
Ethylbenzene	ND		5.00	0.950	ug/L			03/09/18 21:04	5
Hexachlorobutadiene	ND		10.0	1.90	ug/L			03/09/18 21:04	5
Isopropylbenzene	ND		5.00	1.65	ug/L			03/09/18 21:04	5
Methyl tert-butyl ether	ND		5.00	0.850	ug/L			03/09/18 21:04	5
Methylene Chloride	**5.60**	**J**	25.0	5.00	ug/L			03/09/18 21:04	5

Client Sample ID: OBS-8
Date Collected: 03/08/18 10:00
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		25.0	1.05	ug/L			03/09/18 21:04	5
n-Butylbenzene	ND		5.00	1.20	ug/L			03/09/18 21:04	5
N-Propylbenzene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
p-Isopropyltoluene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
sec-Butylbenzene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
Styrene	ND		5.00	1.40	ug/L			03/09/18 21:04	5
tert-Butylbenzene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
Tetrachloroethene	ND		5.00	0.700	ug/L			03/09/18 21:04	5
Toluene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
trans-1,2-Dichloroethene	ND		5.00	1.15	ug/L			03/09/18 21:04	5
trans-1,3-Dichloropropene	ND		5.00	0.850	ug/L			03/09/18 21:04	5
Trichloroethene	**802**		5.00	1.00	ug/L			03/09/18 21:04	5
Trichlorofluoromethane	ND		5.00	1.05	ug/L			03/09/18 21:04	5
Vinyl chloride	ND		5.00	0.900	ug/L			03/09/18 21:04	5
Xylenes, Total	ND		15.0	2.90	ug/L			03/09/18 21:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*03/09/18 21:04*	*5*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/09/18 21:04*	*5*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*03/09/18 21:04*	*5*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/09/18 21:04*	*5*

Client Sample ID: DUP-2
Date Collected: 03/08/18 01:01
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/10/18 15:17	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/10/18 15:17	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/10/18 15:17	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/10/18 15:17	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/10/18 15:17	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/10/18 15:17	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/10/18 15:17	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/10/18 15:17	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/10/18 15:17	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/10/18 15:17	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/10/18 15:17	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/10/18 15:17	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/10/18 15:17	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/10/18 15:17	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/10/18 15:17	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/10/18 15:17	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/10/18 15:17	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/10/18 15:17	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/10/18 15:17	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/10/18 15:17	1
2-Hexanone	ND		10.0	1.28	ug/L			03/10/18 15:17	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/10/18 15:17	1
Acetone	ND		25.0	2.66	ug/L			03/10/18 15:17	1
Benzene	ND		1.00	0.200	ug/L			03/10/18 15:17	1
Bromobenzene	ND		1.00	0.210	ug/L			03/10/18 15:17	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/10/18 15:17	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/10/18 15:17	1
Bromoform	ND		1.00	0.290	ug/L			03/10/18 15:17	1
Bromomethane	ND		1.00	0.350	ug/L			03/10/18 15:17	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/10/18 15:17	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/10/18 15:17	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/10/18 15:17	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/10/18 15:17	1
Chloroethane	ND		1.00	0.360	ug/L			03/10/18 15:17	1
Chloroform	ND		1.00	0.230	ug/L			03/10/18 15:17	1
Chloromethane	ND		1.00	0.360	ug/L			03/10/18 15:17	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/10/18 15:17	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
Dibromomethane	ND		1.00	0.450	ug/L			03/10/18 15:17	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/10/18 15:17	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/10/18 15:17	1
Hexachlorobutadiene	**0.570**	**J B**	2.00	0.380	ug/L			03/10/18 15:17	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/10/18 15:17	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/10/18 15:17	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/10/18 15:17	1

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Client Sample ID: DUP-2
Date Collected: 03/08/18 01:01
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.00	0.210	ug/L			03/10/18 15:17	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/10/18 15:17	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
Styrene	ND		1.00	0.280	ug/L			03/10/18 15:17	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/10/18 15:17	1
Toluene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/10/18 15:17	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/10/18 15:17	1
Trichloroethene	**0.824**	**J**	1.00	0.200	ug/L			03/10/18 15:17	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/10/18 15:17	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/10/18 15:17	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/10/18 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*03/10/18 15:17*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/10/18 15:17*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*03/10/18 15:17*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/10/18 15:17*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.0223**		0.00200	0.000100	mg/L		03/12/18 16:35	03/14/18 22:11	1

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

Lab Sample ID: MB 490-500450/7
Matrix: Water
Analysis Batch: 500450

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/09/18 14:20	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 14:20	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/09/18 14:20	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/09/18 14:20	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/09/18 14:20	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/09/18 14:20	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/09/18 14:20	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			03/09/18 14:20	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/09/18 14:20	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/09/18 14:20	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/09/18 14:20	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/09/18 14:20	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/09/18 14:20	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/09/18 14:20	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/09/18 14:20	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/09/18 14:20	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/09/18 14:20	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/09/18 14:20	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/09/18 14:20	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/09/18 14:20	1
2-Hexanone	ND		10.0	1.28	ug/L			03/09/18 14:20	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/09/18 14:20	1
Acetone	ND		25.0	2.66	ug/L			03/09/18 14:20	1
Benzene	ND		1.00	0.200	ug/L			03/09/18 14:20	1
Bromobenzene	ND		1.00	0.210	ug/L			03/09/18 14:20	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/09/18 14:20	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/09/18 14:20	1
Bromoform	ND		1.00	0.290	ug/L			03/09/18 14:20	1
Bromomethane	ND		1.00	0.350	ug/L			03/09/18 14:20	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/09/18 14:20	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/09/18 14:20	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/09/18 14:20	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/09/18 14:20	1
Chloroethane	ND		1.00	0.360	ug/L			03/09/18 14:20	1
Chloroform	ND		1.00	0.230	ug/L			03/09/18 14:20	1
Chloromethane	ND		1.00	0.360	ug/L			03/09/18 14:20	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/09/18 14:20	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
Dibromomethane	ND		1.00	0.450	ug/L			03/09/18 14:20	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/09/18 14:20	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/09/18 14:20	1
Hexachlorobutadiene	0.7759	J	2.00	0.380	ug/L			03/09/18 14:20	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/09/18 14:20	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/09/18 14:20	1

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

Lab Sample ID: MB 490-500450/7
Matrix: Water
Analysis Batch: 500450

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.00	1.00	ug/L			03/09/18 14:20	1
Naphthalene	ND		5.00	0.210	ug/L			03/09/18 14:20	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/09/18 14:20	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
Styrene	ND		1.00	0.280	ug/L			03/09/18 14:20	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/09/18 14:20	1
Toluene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/09/18 14:20	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/09/18 14:20	1
Trichloroethene	ND		1.00	0.200	ug/L			03/09/18 14:20	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/09/18 14:20	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/09/18 14:20	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/09/18 14:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*03/09/18 14:20*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/09/18 14:20*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*03/09/18 14:20*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*		*03/09/18 14:20*	*1*

Lab Sample ID: LCS 490-500450/3
Matrix: Water
Analysis Batch: 500450

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	22.37		ug/L		112	70 - 130
1,1,1-Trichloroethane	20.0	20.79		ug/L		104	70 - 135
1,1,2,2-Tetrachloroethane	20.0	23.18		ug/L		116	69 - 131
1,1,2-Trichloroethane	20.0	21.19		ug/L		106	70 - 130
1,1-Dichloroethane	20.0	17.17		ug/L		86	70 - 130
1,1-Dichloroethene	20.0	18.70		ug/L		93	70 - 132
1,1-Dichloropropene	20.0	21.27		ug/L		106	70 - 130
1,2,3-Trichlorobenzene	20.0	26.02		ug/L		130	46 - 150
1,2,3-Trichloropropane	20.0	22.80		ug/L		114	70 - 131
1,2,4-Trichlorobenzene	20.0	22.90		ug/L		115	58 - 147
1,2,4-Trimethylbenzene	20.0	23.05		ug/L		115	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	20.83		ug/L		104	45 - 138
1,2-Dibromoethane (EDB)	20.0	22.69		ug/L		113	70 - 130
1,2-Dichlorobenzene	20.0	23.90		ug/L		119	70 - 130
1,2-Dichloroethane	20.0	20.37		ug/L		102	70 - 130
1,2-Dichloropropane	20.0	21.05		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	20.0	23.01		ug/L		115	70 - 130
1,3-Dichlorobenzene	20.0	23.17		ug/L		116	70 - 130
1,3-Dichloropropane	20.0	22.66		ug/L		113	70 - 130
1,4-Dichlorobenzene	20.0	21.58		ug/L		108	70 - 130

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

Lab Sample ID: LCS 490-500450/3
Matrix: Water
Analysis Batch: 500450

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	20.0	22.70		ug/L		113	60 - 143
2-Butanone (MEK)	100	102.8		ug/L		103	55 - 143
2-Chlorotoluene	20.0	22.41		ug/L		112	70 - 130
2-Hexanone	100	108.9		ug/L		109	54 - 142
4-Chlorotoluene	20.0	24.44		ug/L		122	70 - 130
4-Methyl-2-pentanone (MIBK)	100	118.7		ug/L		119	60 - 137
Acetone	100	82.48		ug/L		82	39 - 150
Benzene	20.0	20.91		ug/L		105	70 - 130
Bromobenzene	20.0	22.35		ug/L		112	70 - 130
Bromochloromethane	20.0	20.87		ug/L		104	70 - 130
Bromodichloromethane	20.0	22.28		ug/L		111	70 - 130
Bromoform	20.0	19.82		ug/L		99	70 - 137
Bromomethane	20.0	15.38		ug/L		77	53 - 150
Carbon disulfide	20.0	18.11		ug/L		91	64 - 135
Carbon tetrachloride	20.0	20.82		ug/L		104	70 - 147
Chlorobenzene	20.0	22.02		ug/L		110	70 - 130
Chlorodibromomethane	20.0	21.54		ug/L		108	70 - 133
Chloroethane	20.0	14.18		ug/L		71	60 - 138
Chloroform	20.0	20.53		ug/L		103	70 - 130
Chloromethane	20.0	12.06		ug/L		60	33 - 150
cis-1,2-Dichloroethene	20.0	19.76		ug/L		99	70 - 130
cis-1,3-Dichloropropene	20.0	23.72		ug/L		119	70 - 133
Dibromomethane	20.0	20.92		ug/L		105	70 - 130
Dichlorodifluoromethane	20.0	16.90		ug/L		85	48 - 150
Ethylbenzene	20.0	22.42		ug/L		112	70 - 130
Hexachlorobutadiene	20.0	23.47		ug/L		117	70 - 138
Isopropylbenzene	20.0	21.45		ug/L		107	70 - 131
Methyl tert-butyl ether	20.0	17.43		ug/L		87	70 - 130
Methylene Chloride	20.0	18.87		ug/L		94	70 - 130
Naphthalene	20.0	27.21		ug/L		136	54 - 150
n-Butylbenzene	20.0	23.25		ug/L		116	68 - 137
N-Propylbenzene	20.0	23.88		ug/L		119	70 - 134
p-Isopropyltoluene	20.0	22.40		ug/L		112	66 - 130
sec-Butylbenzene	20.0	22.68		ug/L		113	70 - 135
Styrene	20.0	22.16		ug/L		111	70 - 130
tert-Butylbenzene	20.0	22.81		ug/L		114	70 - 130
Tetrachloroethene	20.0	21.64		ug/L		108	70 - 130
Toluene	20.0	21.82		ug/L		109	70 - 130
trans-1,2-Dichloroethene	20.0	17.70		ug/L		89	70 - 130
trans-1,3-Dichloropropene	20.0	21.87		ug/L		109	63 - 142
Trichloroethene	20.0	20.35		ug/L		102	70 - 130
Trichlorofluoromethane	20.0	15.31		ug/L		77	59 - 150
Vinyl chloride	20.0	16.24		ug/L		81	57 - 137
Xylenes, Total	40.0	46.00		ug/L		115	70 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*

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

Lab Sample ID: LCS 490-500450/3
Matrix: Water
Analysis Batch: 500450

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 490-500450/4
Matrix: Water
Analysis Batch: 500450

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	21.68		ug/L		108	70 - 130	3	13
1,1,1-Trichloroethane	20.0	19.59		ug/L		98	70 - 135	6	15
1,1,2,2-Tetrachloroethane	20.0	23.26		ug/L		116	69 - 131	0	15
1,1,2-Trichloroethane	20.0	20.54		ug/L		103	70 - 130	3	13
1,1-Dichloroethane	20.0	18.72		ug/L		94	70 - 130	9	17
1,1-Dichloroethene	20.0	22.13		ug/L		111	70 - 132	17	20
1,1-Dichloropropene	20.0	19.67		ug/L		98	70 - 130	8	16
1,2,3-Trichlorobenzene	20.0	25.41		ug/L		127	46 - 150	2	16
1,2,3-Trichloropropane	20.0	22.86		ug/L		114	70 - 131	0	14
1,2,4-Trichlorobenzene	20.0	22.08		ug/L		110	58 - 147	4	15
1,2,4-Trimethylbenzene	20.0	22.70		ug/L		113	70 - 130	2	13
1,2-Dibromo-3-Chloropropane	20.0	20.51		ug/L		103	45 - 138	2	19
1,2-Dibromoethane (EDB)	20.0	22.42		ug/L		112	70 - 130	1	13
1,2-Dichlorobenzene	20.0	23.49		ug/L		117	70 - 130	2	12
1,2-Dichloroethane	20.0	20.01		ug/L		100	70 - 130	2	13
1,2-Dichloropropane	20.0	20.79		ug/L		104	70 - 130	1	15
1,3,5-Trimethylbenzene	20.0	23.74		ug/L		119	70 - 130	3	14
1,3-Dichlorobenzene	20.0	22.58		ug/L		113	70 - 130	3	13
1,3-Dichloropropane	20.0	22.14		ug/L		111	70 - 130	2	12
1,4-Dichlorobenzene	20.0	20.49		ug/L		102	70 - 130	5	12
2,2-Dichloropropane	20.0	20.87		ug/L		104	60 - 143	8	20
2-Butanone (MEK)	100	96.55		ug/L		97	55 - 143	6	19
2-Chlorotoluene	20.0	22.22		ug/L		111	70 - 130	1	15
2-Hexanone	100	105.1		ug/L		105	54 - 142	4	17
4-Chlorotoluene	20.0	24.45		ug/L		122	70 - 130	0	15
4-Methyl-2-pentanone (MIBK)	100	115.6		ug/L		116	60 - 137	3	21
Acetone	100	96.55		ug/L		97	39 - 150	16	23
Benzene	20.0	21.28		ug/L		106	70 - 130	2	12
Bromobenzene	20.0	22.54		ug/L		113	70 - 130	1	16
Bromochloromethane	20.0	19.93		ug/L		100	70 - 130	5	16
Bromodichloromethane	20.0	21.39		ug/L		107	70 - 130	4	14
Bromoform	20.0	17.83		ug/L		89	70 - 137	11	14
Bromomethane	20.0	18.85	*	ug/L		94	53 - 150	20	19
Carbon disulfide	20.0	21.46	*	ug/L		107	64 - 135	17	16
Carbon tetrachloride	20.0	19.71		ug/L		99	70 - 147	5	16
Chlorobenzene	20.0	22.54		ug/L		113	70 - 130	2	12
Chlorodibromomethane	20.0	20.87		ug/L		104	70 - 133	3	13
Chloroethane	20.0	16.93	*	ug/L		85	60 - 138	18	15
Chloroform	20.0	19.31		ug/L		97	70 - 130	6	14
Chloromethane	20.0	13.89		ug/L		69	33 - 150	14	20

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

Lab Sample ID: LCSD 490-500450/4
Matrix: Water
Analysis Batch: 500450

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene			20.0	18.94		ug/L		95	70 - 130	4	15
cis-1,3-Dichloropropene			20.0	22.51		ug/L		113	70 - 133	5	15
Dibromomethane			20.0	20.60		ug/L		103	70 - 130	2	14
Dichlorodifluoromethane			20.0	18.61		ug/L		93	48 - 150	10	16
Ethylbenzene			20.0	23.13		ug/L		116	70 - 130	3	12
Hexachlorobutadiene			20.0	22.68		ug/L		113	70 - 138	3	16
Isopropylbenzene			20.0	19.91		ug/L		100	70 - 131	7	13
Methyl tert-butyl ether			20.0	19.25		ug/L		96	70 - 130	10	16
Methylene Chloride			20.0	19.87		ug/L		99	70 - 130	5	15
Naphthalene			20.0	26.40		ug/L		132	54 - 150	3	15
n-Butylbenzene			20.0	23.24		ug/L		116	68 - 137	0	14
N-Propylbenzene			20.0	24.55		ug/L		123	70 - 134	3	14
p-Isopropyltoluene			20.0	22.73		ug/L		114	66 - 130	1	13
sec-Butylbenzene			20.0	23.09		ug/L		115	70 - 135	2	14
Styrene			20.0	21.03		ug/L		105	70 - 130	5	12
tert-Butylbenzene			20.0	22.39		ug/L		112	70 - 130	2	14
Tetrachloroethene			20.0	21.30		ug/L		106	70 - 130	2	17
Toluene			20.0	21.68		ug/L		108	70 - 130	1	13
trans-1,2-Dichloroethene			20.0	19.75		ug/L		99	70 - 130	11	15
trans-1,3-Dichloropropene			20.0	21.04		ug/L		105	63 - 142	4	13
Trichloroethene			20.0	21.13		ug/L		106	70 - 130	4	14
Trichlorofluoromethane			20.0	18.59		ug/L		93	59 - 150	19	22
Vinyl chloride			20.0	18.62		ug/L		93	57 - 137	14	15
Xylenes, Total			40.0	45.95		ug/L		115	70 - 132	0	11

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*89*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 490-147777-B-3 MS
Matrix: Water
Analysis Batch: 500450

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		20.0	21.24		ug/L		106	70 - 131
1,1,1-Trichloroethane	ND		20.0	21.87		ug/L		109	68 - 144
1,1,2,2-Tetrachloroethane	ND		20.0	22.30		ug/L		111	56 - 145
1,1,2-Trichloroethane	ND		20.0	20.48		ug/L		102	70 - 130
1,1-Dichloroethane	ND		20.0	20.98		ug/L		105	61 - 139
1,1-Dichloroethene	ND		20.0	22.69		ug/L		113	54 - 150
1,1-Dichloropropene	ND		20.0	22.11		ug/L		111	54 - 150
1,2,3-Trichlorobenzene	ND		20.0	17.85		ug/L		89	36 - 150
1,2,3-Trichloropropane	ND		20.0	22.20		ug/L		111	65 - 131
1,2,4-Trichlorobenzene	ND		20.0	18.23		ug/L		91	47 - 147
1,2,4-Trimethylbenzene	ND		20.0	21.37		ug/L		107	64 - 136
1,2-Dibromo-3-Chloropropane	ND		20.0	18.51		ug/L		93	38 - 138

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

Lab Sample ID: 490-147777-B-3 MS
Matrix: Water
Analysis Batch: 500450

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	ND		20.0	21.17		ug/L		106	65 - 137
1,2-Dichlorobenzene	ND		20.0	21.14		ug/L		106	70 - 130
1,2-Dichloroethane	30.5		20.0	50.14		ug/L		98	64 - 136
1,2-Dichloropropane	ND		20.0	20.90		ug/L		105	67 - 130
1,3,5-Trimethylbenzene	0.180	J	20.0	22.75		ug/L		113	69 - 139
1,3-Dichlorobenzene	ND		20.0	21.27		ug/L		106	68 - 131
1,3-Dichloropropane	ND		20.0	21.19		ug/L		106	70 - 130
1,4-Dichlorobenzene	ND		20.0	19.78		ug/L		99	70 - 130
2,2-Dichloropropane	ND		20.0	23.57		ug/L		118	50 - 146
2-Butanone (MEK)	ND		100	96.81		ug/L		97	50 - 143
2-Chlorotoluene	ND		20.0	21.77		ug/L		109	67 - 138
2-Hexanone	ND		100	104.7		ug/L		105	44 - 150
4-Chlorotoluene	ND		20.0	23.75		ug/L		119	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		100	119.7		ug/L		120	50 - 140
Acetone	ND		100	103.6		ug/L		104	39 - 150
Benzene	ND		20.0	20.86		ug/L		104	55 - 147
Bromobenzene	ND		20.0	22.33		ug/L		112	60 - 133
Bromochloromethane	ND		20.0	19.75		ug/L		99	59 - 132
Bromodichloromethane	ND		20.0	20.99		ug/L		105	70 - 140
Bromoform	ND		20.0	18.86		ug/L		94	53 - 150
Bromomethane	0.410	J *	20.0	21.26		ug/L		104	30 - 150
Carbon disulfide	ND	*	20.0	21.73		ug/L		109	35 - 150
Carbon tetrachloride	ND		20.0	22.49		ug/L		112	56 - 150
Chlorobenzene	ND		20.0	21.43		ug/L		107	70 - 130
Chlorodibromomethane	ND		20.0	19.50		ug/L		97	66 - 140
Chloroethane	ND	*	20.0	21.56		ug/L		108	58 - 141
Chloroform	ND		20.0	20.58		ug/L		103	66 - 138
Chloromethane	ND		20.0	19.02		ug/L		95	10 - 150
cis-1,2-Dichloroethene	ND		20.0	19.42		ug/L		97	68 - 131
cis-1,3-Dichloropropene	ND		20.0	21.56		ug/L		108	70 - 133
Dibromomethane	ND		20.0	19.66		ug/L		98	70 - 130
Dichlorodifluoromethane	ND		20.0	19.72		ug/L		99	10 - 150
Ethylbenzene	ND		20.0	22.09		ug/L		110	65 - 139
Hexachlorobutadiene	ND		20.0	18.62		ug/L		93	61 - 141
Isopropylbenzene	ND		20.0	21.42		ug/L		107	70 - 137
Methyl tert-butyl ether	ND		20.0	20.27		ug/L		101	55 - 141
Methylene Chloride	ND		20.0	20.91		ug/L		105	64 - 130
Naphthalene	4.93	J	20.0	19.31		ug/L		72	32 - 150
n-Butylbenzene	ND		20.0	21.64		ug/L		108	61 - 141
N-Propylbenzene	ND		20.0	23.81		ug/L		119	53 - 150
p-Isopropyltoluene	ND		20.0	21.56		ug/L		108	66 - 137
sec-Butylbenzene	ND		20.0	22.03		ug/L		110	55 - 136
Styrene	ND		20.0	20.64		ug/L		103	70 - 130
tert-Butylbenzene	ND		20.0	21.31		ug/L		107	70 - 138
Tetrachloroethene	ND		20.0	21.45		ug/L		107	57 - 138
Toluene	ND		20.0	20.86		ug/L		104	64 - 136
trans-1,2-Dichloroethene	ND		20.0	21.54		ug/L		108	59 - 143
trans-1,3-Dichloropropene	ND		20.0	20.39		ug/L		102	63 - 142

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

Lab Sample ID: 490-147777-B-3 MS
Matrix: Water
Analysis Batch: 500450

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	ND		20.0	20.40		ug/L		102	63 - 135
Trichlorofluoromethane	ND		20.0	23.36		ug/L		117	44 - 150
Vinyl chloride	ND		20.0	25.08		ug/L		125	57 - 150
Xylenes, Total	ND		40.0	43.27		ug/L		108	69 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 490-147777-C-3 MSD
Matrix: Water
Analysis Batch: 500450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		20.0	22.43		ug/L		112	70 - 131	5	16
1,1,1-Trichloroethane	ND		20.0	22.88		ug/L		114	68 - 144	5	17
1,1,2,2-Tetrachloroethane	ND		20.0	24.61		ug/L		123	56 - 145	10	19
1,1,2-Trichloroethane	ND		20.0	20.77		ug/L		104	70 - 130	1	18
1,1-Dichloroethane	ND		20.0	21.64		ug/L		108	61 - 139	3	23
1,1-Dichloroethene	ND		20.0	23.44		ug/L		117	54 - 150	3	24
1,1-Dichloropropene	ND		20.0	23.40		ug/L		117	54 - 150	6	24
1,2,3-Trichlorobenzene	ND		20.0	23.31		ug/L		117	36 - 150	27	43
1,2,3-Trichloropropane	ND		20.0	24.53		ug/L		123	65 - 131	10	19
1,2,4-Trichlorobenzene	ND		20.0	21.74		ug/L		109	47 - 147	18	24
1,2,4-Trimethylbenzene	ND		20.0	23.44		ug/L		117	64 - 136	9	18
1,2-Dibromo-3-Chloropropane	ND		20.0	20.47		ug/L		102	38 - 138	10	26
1,2-Dibromoethane (EDB)	ND		20.0	22.60		ug/L		113	65 - 137	7	21
1,2-Dichlorobenzene	ND		20.0	23.59		ug/L		118	70 - 130	11	15
1,2-Dichloroethane	30.5		20.0	52.09		ug/L		108	64 - 136	4	22
1,2-Dichloropropane	ND		20.0	21.53		ug/L		108	67 - 130	3	19
1,3,5-Trimethylbenzene	0.180	J	20.0	24.91		ug/L		124	69 - 139	9	17
1,3-Dichlorobenzene	ND		20.0	23.11		ug/L		116	68 - 131	8	14
1,3-Dichloropropane	ND		20.0	22.51		ug/L		113	70 - 130	6	17
1,4-Dichlorobenzene	ND		20.0	21.45		ug/L		107	70 - 130	8	14
2,2-Dichloropropane	ND		20.0	24.86		ug/L		124	50 - 146	5	20
2-Butanone (MEK)	ND		100	106.2		ug/L		106	50 - 143	9	28
2-Chlorotoluene	ND		20.0	23.74		ug/L		119	67 - 138	9	17
2-Hexanone	ND		100	112.9		ug/L		113	44 - 150	8	21
4-Chlorotoluene	ND		20.0	25.83		ug/L		129	69 - 138	8	15
4-Methyl-2-pentanone (MIBK)	ND		100	121.8		ug/L		122	50 - 140	2	24
Acetone	ND		100	102.3		ug/L		102	39 - 150	1	28
Benzene	ND		20.0	21.98		ug/L		110	55 - 147	5	22
Bromobenzene	ND		20.0	24.55		ug/L		123	60 - 133	9	18
Bromochloromethane	ND		20.0	20.84		ug/L		104	59 - 132	5	21
Bromodichloromethane	ND		20.0	22.68		ug/L		113	70 - 140	8	196
Bromoform	ND		20.0	19.97		ug/L		100	53 - 150	6	20

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

Lab Sample ID: 490-147777-C-3 MSD
Matrix: Water
Analysis Batch: 500450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	0.410	J *	20.0	22.50		ug/L		110	30 - 150	6	44
Carbon disulfide	ND	*	20.0	22.08		ug/L		110	35 - 150	2	34
Carbon tetrachloride	ND		20.0	23.47		ug/L		117	56 - 150	4	18
Chlorobenzene	ND		20.0	22.53		ug/L		113	70 - 130	5	15
Chlorodibromomethane	ND		20.0	20.72		ug/L		104	66 - 140	6	19
Chloroethane	ND	*	20.0	21.66		ug/L		108	58 - 141	0	31
Chloroform	ND		20.0	21.67		ug/L		108	66 - 138	5	21
Chloromethane	ND		20.0	18.95		ug/L		95	10 - 150	0	43
cis-1,2-Dichloroethene	ND		20.0	20.05		ug/L		100	68 - 131	3	21
cis-1,3-Dichloropropene	ND		20.0	22.27		ug/L		111	70 - 133	3	19
Dibromomethane	ND		20.0	20.95		ug/L		105	70 - 130	6	19
Dichlorodifluoromethane	ND		20.0	21.39		ug/L		107	10 - 150	8	50
Ethylbenzene	ND		20.0	23.68		ug/L		118	65 - 139	7	18
Hexachlorobutadiene	ND		20.0	22.40		ug/L		112	61 - 141	18	26
Isopropylbenzene	ND		20.0	22.98		ug/L		115	70 - 137	7	17
Methyl tert-butyl ether	ND		20.0	21.30		ug/L		107	55 - 141	5	24
Methylene Chloride	ND		20.0	21.60		ug/L		108	64 - 130	3	22
Naphthalene	4.93	J	20.0	24.20		ug/L		96	32 - 150	22	40
n-Butylbenzene	ND		20.0	24.50		ug/L		122	61 - 141	12	17
N-Propylbenzene	ND		20.0	25.85		ug/L		129	53 - 150	8	18
p-Isopropyltoluene	ND		20.0	23.09		ug/L		115	66 - 137	7	16
sec-Butylbenzene	ND		20.0	24.41		ug/L		122	55 - 136	10	50
Styrene	ND		20.0	22.11		ug/L		111	70 - 130	7	16
tert-Butylbenzene	ND		20.0	23.64		ug/L		118	70 - 138	10	17
Tetrachloroethene	ND		20.0	21.78		ug/L		109	57 - 138	2	17
Toluene	ND		20.0	21.47		ug/L		107	64 - 136	3	18
trans-1,2-Dichloroethene	ND		20.0	22.77		ug/L		114	59 - 143	6	25
trans-1,3-Dichloropropene	ND		20.0	21.00		ug/L		105	63 - 142	3	18
Trichloroethene	ND		20.0	20.54		ug/L		103	63 - 135	1	17
Trichlorofluoromethane	ND		20.0	24.51		ug/L		123	44 - 150	5	32
Vinyl chloride	ND		20.0	25.49		ug/L		127	57 - 150	2	37
Xylenes, Total	ND		40.0	46.53		ug/L		116	69 - 132	7	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 490-500600/7
Matrix: Water
Analysis Batch: 500600

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00	0.150	ug/L			03/10/18 14:05	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			03/10/18 14:05	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			03/10/18 14:05	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			03/10/18 14:05	1

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

Lab Sample ID: MB 490-500600/7
Matrix: Water
Analysis Batch: 500600

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.00	0.240	ug/L			03/10/18 14:05	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			03/10/18 14:05	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			03/10/18 14:05	1
1,2,3-Trichlorobenzene	1.182		1.00	0.230	ug/L			03/10/18 14:05	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			03/10/18 14:05	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			03/10/18 14:05	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			03/10/18 14:05	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			03/10/18 14:05	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			03/10/18 14:05	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			03/10/18 14:05	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			03/10/18 14:05	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			03/10/18 14:05	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			03/10/18 14:05	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			03/10/18 14:05	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			03/10/18 14:05	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			03/10/18 14:05	1
2-Hexanone	ND		10.0	1.28	ug/L			03/10/18 14:05	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			03/10/18 14:05	1
Acetone	ND		25.0	2.66	ug/L			03/10/18 14:05	1
Benzene	ND		1.00	0.200	ug/L			03/10/18 14:05	1
Bromobenzene	ND		1.00	0.210	ug/L			03/10/18 14:05	1
Bromochloromethane	ND		1.00	0.150	ug/L			03/10/18 14:05	1
Bromodichloromethane	ND		1.00	0.170	ug/L			03/10/18 14:05	1
Bromoform	ND		1.00	0.290	ug/L			03/10/18 14:05	1
Bromomethane	ND		1.00	0.350	ug/L			03/10/18 14:05	1
Carbon disulfide	ND		1.00	0.220	ug/L			03/10/18 14:05	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			03/10/18 14:05	1
Chlorobenzene	ND		1.00	0.180	ug/L			03/10/18 14:05	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			03/10/18 14:05	1
Chloroethane	ND		1.00	0.360	ug/L			03/10/18 14:05	1
Chloroform	ND		1.00	0.230	ug/L			03/10/18 14:05	1
Chloromethane	ND		1.00	0.360	ug/L			03/10/18 14:05	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			03/10/18 14:05	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
Dibromomethane	ND		1.00	0.450	ug/L			03/10/18 14:05	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			03/10/18 14:05	1
Ethylbenzene	ND		1.00	0.190	ug/L			03/10/18 14:05	1
Hexachlorobutadiene	0.8140	J	2.00	0.380	ug/L			03/10/18 14:05	1
Isopropylbenzene	ND		1.00	0.330	ug/L			03/10/18 14:05	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			03/10/18 14:05	1
Methylene Chloride	ND		5.00	1.00	ug/L			03/10/18 14:05	1
Naphthalene	ND		5.00	0.210	ug/L			03/10/18 14:05	1
n-Butylbenzene	ND		1.00	0.240	ug/L			03/10/18 14:05	1
N-Propylbenzene	ND		1.00	0.170	ug/L			03/10/18 14:05	1

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

Lab Sample ID: MB 490-500600/7
Matrix: Water
Analysis Batch: 500600

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
Styrene	ND		1.00	0.280	ug/L			03/10/18 14:05	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
Tetrachloroethene	ND		1.00	0.140	ug/L			03/10/18 14:05	1
Toluene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			03/10/18 14:05	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			03/10/18 14:05	1
Trichloroethene	ND		1.00	0.200	ug/L			03/10/18 14:05	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			03/10/18 14:05	1
Vinyl chloride	ND		1.00	0.180	ug/L			03/10/18 14:05	1
Xylenes, Total	ND		3.00	0.580	ug/L			03/10/18 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*03/10/18 14:05*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*03/10/18 14:05*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*03/10/18 14:05*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/10/18 14:05*	*1*

Lab Sample ID: LCS 490-500600/4
Matrix: Water
Analysis Batch: 500600

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	22.14		ug/L		111	70 - 130
1,1,1-Trichloroethane	20.0	21.53		ug/L		108	70 - 135
1,1,2,2-Tetrachloroethane	20.0	22.81		ug/L		114	69 - 131
1,1,2-Trichloroethane	20.0	21.23		ug/L		106	70 - 130
1,1-Dichloroethane	20.0	21.89		ug/L		109	70 - 130
1,1-Dichloroethene	20.0	22.34		ug/L		112	70 - 132
1,1-Dichloropropene	20.0	22.30		ug/L		111	70 - 130
1,2,3-Trichlorobenzene	20.0	22.32		ug/L		112	46 - 150
1,2,3-Trichloropropane	20.0	23.08		ug/L		115	70 - 131
1,2,4-Trichlorobenzene	20.0	20.56		ug/L		103	58 - 147
1,2,4-Trimethylbenzene	20.0	23.38		ug/L		117	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.91		ug/L		95	45 - 138
1,2-Dibromoethane (EDB)	20.0	23.43		ug/L		117	70 - 130
1,2-Dichlorobenzene	20.0	22.61		ug/L		113	70 - 130
1,2-Dichloroethane	20.0	20.80		ug/L		104	70 - 130
1,2-Dichloropropane	20.0	21.91		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	20.0	23.74		ug/L		119	70 - 130
1,3-Dichlorobenzene	20.0	22.56		ug/L		113	70 - 130
1,3-Dichloropropane	20.0	23.01		ug/L		115	70 - 130
1,4-Dichlorobenzene	20.0	22.08		ug/L		110	70 - 130
2,2-Dichloropropane	20.0	20.95		ug/L		105	60 - 143
2-Butanone (MEK)	100	99.93		ug/L		100	55 - 143
2-Chlorotoluene	20.0	23.38		ug/L		117	70 - 130
2-Hexanone	100	105.2		ug/L		105	54 - 142

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

Lab Sample ID: LCS 490-500600/4
Matrix: Water
Analysis Batch: 500600

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	20.0	24.68		ug/L		123	70 - 130
4-Methyl-2-pentanone (MIBK)	100	112.3		ug/L		112	60 - 137
Acetone	100	106.3		ug/L		106	39 - 150
Benzene	20.0	21.74		ug/L		109	70 - 130
Bromobenzene	20.0	24.43		ug/L		122	70 - 130
Bromochloromethane	20.0	21.51		ug/L		108	70 - 130
Bromodichloromethane	20.0	22.02		ug/L		110	70 - 130
Bromoform	20.0	18.87		ug/L		94	70 - 137
Bromomethane	20.0	20.07		ug/L		100	53 - 150
Carbon disulfide	20.0	22.37		ug/L		112	64 - 135
Carbon tetrachloride	20.0	22.05		ug/L		110	70 - 147
Chlorobenzene	20.0	22.72		ug/L		114	70 - 130
Chlorodibromomethane	20.0	21.08		ug/L		105	70 - 133
Chloroethane	20.0	19.16		ug/L		96	60 - 138
Chloroform	20.0	21.59		ug/L		108	70 - 130
Chloromethane	20.0	18.60		ug/L		93	33 - 150
cis-1,2-Dichloroethene	20.0	21.06		ug/L		105	70 - 130
cis-1,3-Dichloropropene	20.0	21.86		ug/L		109	70 - 133
Dibromomethane	20.0	21.01		ug/L		105	70 - 130
Dichlorodifluoromethane	20.0	15.12		ug/L		76	48 - 150
Ethylbenzene	20.0	23.27		ug/L		116	70 - 130
Hexachlorobutadiene	20.0	21.50		ug/L		108	70 - 138
Isopropylbenzene	20.0	21.95		ug/L		110	70 - 131
Methyl tert-butyl ether	20.0	22.05		ug/L		110	70 - 130
Methylene Chloride	20.0	22.19		ug/L		111	70 - 130
Naphthalene	20.0	23.01		ug/L		115	54 - 150
n-Butylbenzene	20.0	22.77		ug/L		114	68 - 137
N-Propylbenzene	20.0	25.15		ug/L		126	70 - 134
p-Isopropyltoluene	20.0	22.39		ug/L		112	66 - 130
sec-Butylbenzene	20.0	23.50		ug/L		118	70 - 135
Styrene	20.0	22.20		ug/L		111	70 - 130
tert-Butylbenzene	20.0	22.98		ug/L		115	70 - 130
Tetrachloroethene	20.0	21.74		ug/L		109	70 - 130
Toluene	20.0	20.74		ug/L		104	70 - 130
trans-1,2-Dichloroethene	20.0	23.07		ug/L		115	70 - 130
trans-1,3-Dichloropropene	20.0	20.44		ug/L		102	63 - 142
Trichloroethene	20.0	22.10		ug/L		110	70 - 130
Trichlorofluoromethane	20.0	19.50		ug/L		97	59 - 150
Vinyl chloride	20.0	21.73		ug/L		109	57 - 137
Xylenes, Total	40.0	46.92		ug/L		117	70 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

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

Lab Sample ID: 490-147850-2 MS
Matrix: Water
Analysis Batch: 500600

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		400	427.4		ug/L		107	70 - 131
1,1,1-Trichloroethane	ND	F2	400	528.2		ug/L		132	68 - 144
1,1,2,2-Tetrachloroethane	ND		400	436.5		ug/L		109	56 - 145
1,1,2-Trichloroethane	ND		400	402.6		ug/L		101	70 - 130
1,1-Dichloroethane	ND	F2	400	523.1		ug/L		131	61 - 139
1,1-Dichloroethene	ND		400	450.2		ug/L		113	54 - 150
1,1-Dichloropropene	ND		400	514.8		ug/L		129	54 - 150
1,2,3-Trichlorobenzene	ND		400	348.4		ug/L		87	36 - 150
1,2,3-Trichloropropane	ND		400	415.5		ug/L		104	65 - 131
1,2,4-Trichlorobenzene	ND		400	335.8		ug/L		84	47 - 147
1,2,4-Trimethylbenzene	ND		400	425.8		ug/L		106	64 - 136
1,2-Dibromo-3-Chloropropane	ND		400	346.7		ug/L		87	38 - 138
1,2-Dibromoethane (EDB)	ND		400	408.1		ug/L		102	65 - 137
1,2-Dichlorobenzene	ND		400	440.0		ug/L		110	70 - 130
1,2-Dichloroethane	ND		400	476.5		ug/L		119	64 - 136
1,2-Dichloropropane	ND		400	428.7		ug/L		107	67 - 130
1,3,5-Trimethylbenzene	ND		400	423.9		ug/L		106	69 - 139
1,3-Dichlorobenzene	ND		400	433.3		ug/L		108	68 - 131
1,3-Dichloropropane	ND		400	413.0		ug/L		103	70 - 130
1,4-Dichlorobenzene	ND		400	400.9		ug/L		100	70 - 130
2,2-Dichloropropane	ND	F2	400	555.4		ug/L		139	50 - 146
2-Butanone (MEK)	ND	F2	2000	2401		ug/L		120	50 - 143
2-Chlorotoluene	ND		400	389.0		ug/L		97	67 - 138
2-Hexanone	ND		2000	1909		ug/L		95	44 - 150
4-Chlorotoluene	ND		400	455.0		ug/L		114	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		2000	2373		ug/L		119	50 - 140
Acetone	ND		2000	2019		ug/L		101	39 - 150
Benzene	ND		400	495.1		ug/L		124	55 - 147
Bromobenzene	ND		400	418.7		ug/L		105	60 - 133
Bromochloromethane	ND	F2	400	499.6		ug/L		125	59 - 132
Bromodichloromethane	ND		400	497.7		ug/L		124	70 - 140
Bromoform	ND		400	375.7		ug/L		94	53 - 150
Bromomethane	ND		400	452.0		ug/L		113	30 - 150
Carbon disulfide	ND		400	387.3		ug/L		97	35 - 150
Carbon tetrachloride	ND	F2	400	537.8		ug/L		134	56 - 150
Chlorobenzene	ND		400	427.9		ug/L		107	70 - 130
Chlorodibromomethane	ND		400	399.4		ug/L		100	66 - 140
Chloroethane	ND		400	445.8		ug/L		111	58 - 141
Chloroform	ND	F2	400	502.1		ug/L		126	66 - 138
Chloromethane	ND		400	363.8		ug/L		91	10 - 150
cis-1,2-Dichloroethene	ND	F2	400	474.3		ug/L		119	68 - 131
cis-1,3-Dichloropropene	ND		400	455.9		ug/L		114	70 - 133
Dibromomethane	ND		400	469.1		ug/L		117	70 - 130
Dichlorodifluoromethane	ND		400	412.3		ug/L		103	10 - 150
Ethylbenzene	ND		400	427.9		ug/L		107	65 - 139
Hexachlorobutadiene	ND		400	373.6		ug/L		93	61 - 141
Isopropylbenzene	ND		400	416.5		ug/L		104	70 - 137
Methyl tert-butyl ether	ND		400	409.7		ug/L		102	55 - 141

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

Lab Sample ID: 490-147850-2 MS
Matrix: Water
Analysis Batch: 500600

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	ND		400	424.8		ug/L		106	64 - 130
Naphthalene	ND		400	316.7		ug/L		79	32 - 150
n-Butylbenzene	ND		400	439.7		ug/L		110	61 - 141
N-Propylbenzene	ND		400	451.8		ug/L		113	53 - 150
p-Isopropyltoluene	ND		400	428.2		ug/L		107	66 - 137
sec-Butylbenzene	ND		400	441.0		ug/L		110	55 - 136
Styrene	ND		400	416.6		ug/L		104	70 - 130
tert-Butylbenzene	ND		400	429.2		ug/L		107	70 - 138
Tetrachloroethene	ND		400	412.5		ug/L		103	57 - 138
Toluene	ND		400	446.2		ug/L		112	64 - 136
trans-1,2-Dichloroethene	ND		400	428.3		ug/L		107	59 - 143
trans-1,3-Dichloropropene	ND		400	423.0		ug/L		106	63 - 142
Trichloroethene	2450	F2	400	3151	4	ug/L		176	63 - 135
Trichlorofluoromethane	ND		400	552.0		ug/L		138	44 - 150
Vinyl chloride	ND		400	451.4		ug/L		113	57 - 150
Xylenes, Total	ND		800	852.7		ug/L		107	69 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*127*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*119*		*70 - 130*
Toluene-d8 (Surr)	*110*		*70 - 130*

Lab Sample ID: 490-147850-2 MSD
Matrix: Water
Analysis Batch: 500600

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		400	422.8		ug/L		106	70 - 131	1	16
1,1,1-Trichloroethane	ND	F2	400	368.8	F2	ug/L		92	68 - 144	36	17
1,1,2,2-Tetrachloroethane	ND		400	424.0		ug/L		106	56 - 145	3	19
1,1,2-Trichloroethane	ND		400	466.5		ug/L		117	70 - 130	15	18
1,1-Dichloroethane	ND	F2	400	347.5	F2	ug/L		87	61 - 139	40	23
1,1-Dichloroethene	ND		400	355.6		ug/L		89	54 - 150	23	24
1,1-Dichloropropene	ND		400	428.4		ug/L		107	54 - 150	18	24
1,2,3-Trichlorobenzene	ND		400	416.6		ug/L		104	36 - 150	18	43
1,2,3-Trichloropropane	ND		400	406.3		ug/L		102	65 - 131	2	19
1,2,4-Trichlorobenzene	ND		400	392.4		ug/L		98	47 - 147	16	24
1,2,4-Trimethylbenzene	ND		400	415.6		ug/L		104	64 - 136	2	18
1,2-Dibromo-3-Chloropropane	ND		400	365.5		ug/L		91	38 - 138	5	26
1,2-Dibromoethane (EDB)	ND		400	418.4		ug/L		105	65 - 137	2	21
1,2-Dichlorobenzene	ND		400	433.5		ug/L		108	70 - 130	1	15
1,2-Dichloroethane	ND		400	396.1		ug/L		99	64 - 136	18	22
1,2-Dichloropropane	ND		400	406.0		ug/L		101	67 - 130	5	19
1,3,5-Trimethylbenzene	ND		400	418.2		ug/L		105	69 - 139	1	17
1,3-Dichlorobenzene	ND		400	418.1		ug/L		105	68 - 131	4	14
1,3-Dichloropropane	ND		400	490.3		ug/L		123	70 - 130	17	17
1,4-Dichlorobenzene	ND		400	375.4		ug/L		94	70 - 130	7	14

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

Lab Sample ID: 490-147850-2 MSD
Matrix: Water
Analysis Batch: 500600

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,2-Dichloropropane	ND	F2	400	372.7	F2	ug/L		93	50 - 146	39	20
2-Butanone (MEK)	ND	F2	2000	1606	F2	ug/L		80	50 - 143	40	28
2-Chlorotoluene	ND		400	412.7		ug/L		103	67 - 138	6	17
2-Hexanone	ND		2000	2148		ug/L		107	44 - 150	12	21
4-Chlorotoluene	ND		400	450.5		ug/L		113	69 - 138	1	15
4-Methyl-2-pentanone (MIBK)	ND		2000	2399		ug/L		120	50 - 140	1	24
Acetone	ND		2000	1599		ug/L		80	39 - 150	23	28
Benzene	ND		400	407.0		ug/L		102	55 - 147	20	22
Bromobenzene	ND		400	420.5		ug/L		105	60 - 133	0	18
Bromochloromethane	ND	F2	400	363.6	F2	ug/L		91	59 - 132	32	21
Bromodichloromethane	ND		400	407.5		ug/L		102	70 - 140	20	196
Bromoform	ND		400	357.0		ug/L		89	53 - 150	5	20
Bromomethane	ND		400	397.4		ug/L		99	30 - 150	13	44
Carbon disulfide	ND		400	333.5		ug/L		83	35 - 150	15	34
Carbon tetrachloride	ND	F2	400	435.6	F2	ug/L		109	56 - 150	21	18
Chlorobenzene	ND		400	427.4		ug/L		107	70 - 130	0	15
Chlorodibromomethane	ND		400	419.7		ug/L		105	66 - 140	5	19
Chloroethane	ND		400	360.3		ug/L		90	58 - 141	21	31
Chloroform	ND	F2	400	352.5	F2	ug/L		88	66 - 138	35	21
Chloromethane	ND		400	287.6		ug/L		72	10 - 150	23	43
cis-1,2-Dichloroethene	ND	F2	400	324.6	F2	ug/L		81	68 - 131	37	21
cis-1,3-Dichloropropene	ND		400	474.4		ug/L		119	70 - 133	4	19
Dibromomethane	ND		400	386.2		ug/L		97	70 - 130	19	19
Dichlorodifluoromethane	ND		400	325.7		ug/L		81	10 - 150	23	50
Ethylbenzene	ND		400	431.5		ug/L		108	65 - 139	1	18
Hexachlorobutadiene	ND		400	431.6		ug/L		108	61 - 141	14	26
Isopropylbenzene	ND		400	408.1		ug/L		102	70 - 137	2	17
Methyl tert-butyl ether	ND		400	343.4		ug/L		86	55 - 141	18	24
Methylene Chloride	ND		400	375.4		ug/L		94	64 - 130	12	22
Naphthalene	ND		400	427.9		ug/L		107	32 - 150	30	40
n-Butylbenzene	ND		400	429.4		ug/L		107	61 - 141	2	17
N-Propylbenzene	ND		400	439.7		ug/L		110	53 - 150	3	18
p-Isopropyltoluene	ND		400	410.0		ug/L		102	66 - 137	4	16
sec-Butylbenzene	ND		400	427.0		ug/L		107	55 - 136	3	50
Styrene	ND		400	392.4		ug/L		98	70 - 130	6	16
tert-Butylbenzene	ND		400	419.4		ug/L		105	70 - 138	2	17
Tetrachloroethene	ND		400	477.8		ug/L		119	57 - 138	15	17
Toluene	ND		400	458.4		ug/L		115	64 - 136	3	18
trans-1,2-Dichloroethene	ND		400	371.2		ug/L		93	59 - 143	14	25
trans-1,3-Dichloropropene	ND		400	448.9		ug/L		112	63 - 142	6	18
Trichloroethene	2450	F2	400	2625	4 F2	ug/L		44	63 - 135	18	17
Trichlorofluoromethane	ND		400	406.7		ug/L		102	44 - 150	30	32
Vinyl chloride	ND		400	361.9		ug/L		90	57 - 150	22	37
Xylenes, Total	ND		800	837.5		ug/L		105	69 - 132	2	17

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: 490-147850-2 MSD
Matrix: Water
Analysis Batch: 500600

Client Sample ID: MW-5
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*85*		*70 - 130*
Toluene-d8 (Surr)	*112*		*70 - 130*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 490-500978/1-A
Matrix: Water
Analysis Batch: 501694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 500978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00200	0.000100	mg/L		03/12/18 16:35	03/14/18 21:01	1

Lab Sample ID: LCS 490-500978/2-A
Matrix: Water
Analysis Batch: 501694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 500978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.09770		mg/L		98	80 - 120

Lab Sample ID: LCSD 490-500978/3-A
Matrix: Water
Analysis Batch: 501694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 500978

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.100	0.09776		mg/L		98	80 - 120	0	20

Lab Sample ID: 590-8149-G-1-B MS
Matrix: Water
Analysis Batch: 501694

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 500978

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.000124	J	0.100	0.09209		mg/L		92	75 - 125

Lab Sample ID: 590-8149-G-1-C MSD
Matrix: Water
Analysis Batch: 501694

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 500978

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.000124	J	0.100	0.09143		mg/L		91	75 - 125	1	20

GC/MS VOA

Analysis Batch: 500450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-147850-1	MW-2	Total/NA	Water	8260B	
490-147850-3	MW-5D	Total/NA	Water	8260B	
490-147850-4	MW-17	Total/NA	Water	8260B	
490-147850-5	MW-19	Total/NA	Water	8260B	
490-147850-6	OBS-8	Total/NA	Water	8260B	
MB 490-500450/7	Method Blank	Total/NA	Water	8260B	
LCS 490-500450/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-500450/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-147777-B-3 MS	Matrix Spike	Total/NA	Water	8260B	
490-147777-C-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 500600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-147850-2	MW-5	Total/NA	Water	8260B	
490-147850-7	DUP-2	Total/NA	Water	8260B	
MB 490-500600/7	Method Blank	Total/NA	Water	8260B	
LCS 490-500600/4	Lab Control Sample	Total/NA	Water	8260B	
490-147850-2 MS	MW-5	Total/NA	Water	8260B	
490-147850-2 MSD	MW-5	Total/NA	Water	8260B	

Metals

Prep Batch: 500978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-147850-2	MW-5	Total/NA	Water	3010A	
490-147850-3	MW-5D	Total/NA	Water	3010A	
490-147850-5	MW-19	Total/NA	Water	3010A	
490-147850-7	DUP-2	Total/NA	Water	3010A	
MB 490-500978/1-A	Method Blank	Total/NA	Water	3010A	
LCS 490-500978/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-500978/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
590-8149-G-1-B MS	Matrix Spike	Total/NA	Water	3010A	
590-8149-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 501694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-147850-2	MW-5	Total/NA	Water	6020A	500978
490-147850-3	MW-5D	Total/NA	Water	6020A	500978
490-147850-5	MW-19	Total/NA	Water	6020A	500978
490-147850-7	DUP-2	Total/NA	Water	6020A	500978
MB 490-500978/1-A	Method Blank	Total/NA	Water	6020A	500978
LCS 490-500978/2-A	Lab Control Sample	Total/NA	Water	6020A	500978
LCSD 490-500978/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	500978
590-8149-G-1-B MS	Matrix Spike	Total/NA	Water	6020A	500978
590-8149-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020A	500978

Lab Chronicle

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Client Sample ID: MW-2
Date Collected: 03/08/18 11:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500450	03/09/18 18:50	SW1	TAL NSH

Client Sample ID: MW-5
Date Collected: 03/08/18 12:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	500600	03/10/18 15:44	SW1	TAL NSH
Total/NA	Prep	3010A			500978	03/12/18 16:35	RDF	TAL NSH
Total/NA	Analysis	6020A		1	501694	03/14/18 21:56	BLG	TAL NSH

Client Sample ID: MW-5D
Date Collected: 03/08/18 10:10
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	500450	03/09/18 20:37	SW1	TAL NSH
Total/NA	Prep	3010A			500978	03/12/18 16:35	RDF	TAL NSH
Total/NA	Analysis	6020A		1	501694	03/14/18 22:05	BLG	TAL NSH

Client Sample ID: MW-17
Date Collected: 03/08/18 13:05
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500450	03/09/18 19:17	SW1	TAL NSH

Client Sample ID: MW-19
Date Collected: 03/08/18 08:55
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500450	03/09/18 19:43	SW1	TAL NSH
Total/NA	Prep	3010A			500978	03/12/18 16:35	RDF	TAL NSH
Total/NA	Analysis	6020A		1	501694	03/14/18 22:08	BLG	TAL NSH

Client Sample ID: OBS-8
Date Collected: 03/08/18 10:00
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	500450	03/09/18 21:04	SW1	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Client Sample ID: DUP-2

Date Collected: 03/08/18 01:01
Date Received: 03/09/18 09:20

Lab Sample ID: 490-147850-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	500600	03/10/18 15:17	SW1	TAL NSH
Total/NA	Prep	3010A			500978	03/12/18 16:35	RDF	TAL NSH
Total/NA	Analysis	6020A		1	501694	03/14/18 22:11	BLG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
6020A	Metals (ICP/MS)	SW846	TAL NSH

Protocol References:

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

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

Laboratory: TestAmerica Nashville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E87358	06-30-18

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-147850 Chain of Custody

Cooler Received/Opened On 03-09-2018 @ 09:20

Time Samples Removed From Cooler 17:42 Time Samples Placed In Storage 17:48 (2 H

1. Tracking # 4457 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 31470366 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 0.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA not signed

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) CLM

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA


Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) 2.2

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) 2.2

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) 2.2

I certify that I attached a label with the unique LIMS number to each container (intial) 2.2

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

Loc: 490
147850

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-3404

681-Atlanta

Client Information	Sampler: SARA MEISSNER	Lab PM: Hayes, Ken	Carrier Tracking No(s):	COC No: 490-81555-23933.4
Client Contact: Sara Meissner	Phone: 860-617-6377	E-Mail: ken.hayes@testamericainc.com		Page: Page 1 of 1
Company: ~~URS Corporation~~ AECOM				Job #:

Address: 1000 Corp Centre Drive One Corp Centre Ste	Due Date Requested: —	Analysis Requested	Preservation Codes:
City: Franklin	TAT Requested (days): Standard		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: TN, 37067			
Phone: 615-224-2103(Tel)	PO #: 60530734		Other:
Email: sara.meissner@aecom.com	WO #: V#1427536		
Project Name: C&D Conyers GA	Project #: 49001189		
Site: 1835 Industrial Blvd, Conyers, GA	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020A - (MOD) Lead	8260B - Standard 8260 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A		
MW-2	3/8/18	1105	—	Water				X		
MW-5	3/8/18	1205	—	W			X	X		
MW-5D	3/8/18	1010	—	W			X	X		
MW-17	3/8/18	1305	—	W				X		
MW-19	3/8/18	0855	—	W			X	X		
OBS-8	3/8/18	1000	—	W				X		
DUP-2	3/8/18	—	—	W			X	X		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/8/18 1320	AECOM		3/8/18 1320	TA
Relinquished by:	Date/Time: 3/8/18 1645	Company TA	Received by: Lawrence Jordan	Date/Time: 03/09/18 09:20	Company TA-NAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.6

Ver: 08/04/2016

Default Detection Limits

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

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

Analyte	RL	MDL	Units	Method
1,1,1,2-Tetrachloroethane	1.00	0.150	ug/L	8260B
1,1,1-Trichloroethane	1.00	0.190	ug/L	8260B
1,1,2,2-Tetrachloroethane	1.00	0.190	ug/L	8260B
1,1,2-Trichloroethane	1.00	0.190	ug/L	8260B
1,1-Dichloroethane	1.00	0.240	ug/L	8260B
1,1-Dichloroethene	1.00	0.250	ug/L	8260B
1,1-Dichloropropene	1.00	0.200	ug/L	8260B
1,2,3-Trichlorobenzene	1.00	0.230	ug/L	8260B
1,2,3-Trichloropropane	1.00	0.230	ug/L	8260B
1,2,4-Trichlorobenzene	1.00	0.200	ug/L	8260B
1,2,4-Trimethylbenzene	1.00	0.170	ug/L	8260B
1,2-Dibromo-3-Chloropropane	10.0	0.940	ug/L	8260B
1,2-Dibromoethane (EDB)	1.00	0.210	ug/L	8260B
1,2-Dichlorobenzene	1.00	0.190	ug/L	8260B
1,2-Dichloroethane	1.00	0.200	ug/L	8260B
1,2-Dichloropropane	1.00	0.250	ug/L	8260B
1,3,5-Trimethylbenzene	1.00	0.170	ug/L	8260B
1,3-Dichlorobenzene	1.00	0.180	ug/L	8260B
1,3-Dichloropropane	1.00	0.190	ug/L	8260B
1,4-Dichlorobenzene	1.00	0.170	ug/L	8260B
2,2-Dichloropropane	1.00	0.160	ug/L	8260B
2-Butanone (MEK)	50.0	2.64	ug/L	8260B
2-Chlorotoluene	1.00	0.180	ug/L	8260B
2-Hexanone	10.0	1.28	ug/L	8260B
4-Chlorotoluene	1.00	0.170	ug/L	8260B
4-Methyl-2-pentanone (MIBK)	10.0	0.810	ug/L	8260B
Acetone	25.0	2.66	ug/L	8260B
Benzene	1.00	0.200	ug/L	8260B
Bromobenzene	1.00	0.210	ug/L	8260B
Bromochloromethane	1.00	0.150	ug/L	8260B
Bromodichloromethane	1.00	0.170	ug/L	8260B
Bromoform	1.00	0.290	ug/L	8260B
Bromomethane	1.00	0.350	ug/L	8260B
Carbon disulfide	1.00	0.220	ug/L	8260B
Carbon tetrachloride	1.00	0.180	ug/L	8260B
Chlorobenzene	1.00	0.180	ug/L	8260B
Chlorodibromomethane	1.00	0.250	ug/L	8260B
Chloroethane	1.00	0.360	ug/L	8260B
Chloroform	1.00	0.230	ug/L	8260B
Chloromethane	1.00	0.360	ug/L	8260B
cis-1,2-Dichloroethene	1.00	0.210	ug/L	8260B
cis-1,3-Dichloropropene	1.00	0.170	ug/L	8260B
Dibromomethane	1.00	0.450	ug/L	8260B
Dichlorodifluoromethane	1.00	0.170	ug/L	8260B
Ethylbenzene	1.00	0.190	ug/L	8260B
Hexachlorobutadiene	2.00	0.380	ug/L	8260B
Isopropylbenzene	1.00	0.330	ug/L	8260B
Methyl tert-butyl ether	1.00	0.170	ug/L	8260B
Methylene Chloride	5.00	1.00	ug/L	8260B
Naphthalene	5.00	0.210	ug/L	8260B
n-Butylbenzene	1.00	0.240	ug/L	8260B
N-Propylbenzene	1.00	0.170	ug/L	8260B

Default Detection Limits

Client: URS Corporation
Project/Site: C&D Conyers GA

TestAmerica Job ID: 490-147850-1
SDG: 1835 Industrial Blvd., Conyers, GA

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

Analyte	RL	MDL	Units	Method
p-Isopropyltoluene	1.00	0.170	ug/L	8260B
sec-Butylbenzene	1.00	0.170	ug/L	8260B
Styrene	1.00	0.280	ug/L	8260B
tert-Butylbenzene	1.00	0.170	ug/L	8260B
Tetrachloroethene	1.00	0.140	ug/L	8260B
Toluene	1.00	0.170	ug/L	8260B
trans-1,2-Dichloroethene	1.00	0.230	ug/L	8260B
trans-1,3-Dichloropropene	1.00	0.170	ug/L	8260B
Trichloroethene	1.00	0.200	ug/L	8260B
Trichlorofluoromethane	1.00	0.210	ug/L	8260B
Vinyl chloride	1.00	0.180	ug/L	8260B
Xylenes, Total	3.00	0.580	ug/L	8260B

Method: 6020A - Metals (ICP/MS)

Prep: 3010A

Analyte	RL	MDL	Units	Method
Lead	0.00200	0.000100	mg/L	6020A

Appendix D Data Review and Validation Report

Project: C&D Site in Conyers, Georgia Groundwater Analysis
Project Number: 60530734
Sample Types: Groundwater
Sample Collection Dates: 3/7/2018 and 3/8/2018
Laboratory: Test America Nashville
Laboratory Sample Groups Included in this Report: 490-147750-1 and 490-147850-1
Analyses: Volatiles by Method 8260B and metals by Method 6020A
Date Review Finalized: 4/25/2018
Guidance: National Functional Guidelines, modified for non-CLP analyses

Data Reviewer: Peter Ciarleglio

General Overview of the Data Review and Validation Report

This project consisted of the taking groundwater samples from established monitoring wells at the C&D site located in Conyers, GA, and analyzing all samples for volatile organics and some samples for lead. Sample Group 490-147750-1 consisted of 12 groundwater samples (including one field duplicate). A trip blank for volatiles was included on the COC for this sample group, but no trip blank was logged in or analyzed by the lab. Sample Group 490-147850-1 consisted of 7 water samples (including one field duplicate). There were no trip blanks indicated in the sample summaries of the laboratory reports. All samples were analyzed for volatile organics by Method 8260B, some samples were also analyzed for selected metals (lead) by Method 6020A. The laboratory data package contained summary QC only; the case narrative referenced the summary QC without specifically citing individual analytical problems. The following parameters could be reviewed based on the laboratory data package:

- Sample preservation and holding times
- Blank contamination
- Surrogate recoveries
- Laboratory control spikes (LCS)
- Matrix and matrix spike duplicates spike (MS/MSD)
- Laboratory duplicate samples
- Field duplicate review
- Other problems noted in the laboratory qualifiers to the results

List of Possible Validation Qualifiers

U - The analyte should be considered not detected at the reported value for the reasons explained in this document. This is distinct from the laboratory U or ND qualifiers, which mean that the analyte was simply not detected in the analysis.

J - For the GC/MS data, the identification of the analyte is acceptable, but quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision, i.e., the quantitative value is considered estimated. For non-MS data, both the presence and

quantitation of the compound are uncertain. Data that has been validation qualified "J" often may not be useable for compliance monitoring, but may be adequate for site investigations.

N - There is presumptive evidence that the analyte is present, but it has not been confirmed. The analyte is "tentatively identified". There is an indication that the reported analyte is present, however, all quality control requirements necessary for confirmation were not met.

R - Data is considered to be rejected and shall not be used. This flag denotes a major failure of quality control criteria. Either alternative available data should be used, or else resampling and analysis are necessary to confirm or deny the presence of the analyte.

C - This flag is most often used in conjunction with pesticides/PCB data. The analyte is determined to be present and the presence has been confirmed by GC/MS.

UJ - This is a combination of the U and J flags. The analyte is not considered to be present. The reported value is considered to be an estimated limit of detection.

E- This data review qualifier is used in instances where the analysis of a compound at the greatest dilution used by the laboratory still exceeded the calibration range of the instrument. This result should be considered an estimate, and it is likely that the actual result is higher than the reported result.

JN - A combination of the J and N flags. The analyte is tentatively identified and the value preceding the JN is estimated.

DUP- This qualifier would be applied to the original sample and the corresponding field duplicate sample results detected above the laboratory quantitation limit that had a relative percent difference (RPD) that exceeded the project criteria (for this project: 30% RPD for groundwater samples).

Overall Data Assessment

The analyses had appropriate batch precision and accuracy QC, such as LCS, MS/MSD, sample spikes, and laboratory duplicates as appropriate for the methods. Some samples were re-analyzed at a greater dilution, so as to bring results within the calibration range for at least one of the diluted analyses. Two samples were analyzed at a one-to-five dilution initially, due to preliminary screening of the volatile content in those samples. These two samples had somewhat elevated reporting limits for the undetected parameters.

Completeness

The samples and analyses requested on the chains-of-custody (COCs) were performed by the laboratory, according to the prescribed analytical method. The planned categories of the analyses were volatile organics by Method 8260B, and the analysis of selected samples for the metal lead only, by method 6020A. The samples were successfully analyzed for all analytes, for a completeness of 100%.

Unusual Events or Site-Specific Characteristics

There was no trip blank submitted to the laboratory for this sampling event. Detections in the samples of common trip contaminants such as chloroform, acetone, or methylene chloride therefore could not be examined for potential trip contamination.

The site is a former lead battery manufacturing facility that is known to be contaminated in certain areas with lead and chlorinated solvents. There were no unusual sample results observed from this site for this sampling episode.

Achieving Required Detection and Reporting Limits

For this project, lead was analyzed using the low level ICPMS Method 6020A. All samples with detections above the MDL but below the reporting limit were reported, and qualified by the laboratory with a "J" (estimated) qualifier. For all samples that were either non-detected or contained only low concentrations of lead, the reporting limit was 0.002 mg/L, and the MDL was 0.0001 mg/L. These are both below any relevant screening level for lead contamination. For volatile organics by Method 8260B, the lab achieved reporting limits of 1 ug/L and MDL levels of much less than 1 ug/L for all chlorinated solvents that have previously been detected at the site, except in samples already heavily contaminated with volatile organic compounds. Samples that required dilution due to the sample matrix and high concentration of volatile compound were listed in the case narrative.

Accuracy

Accuracy was addressed through the percent recovery in laboratory control and laboratory control duplicate samples (LCS and LCSD), and also through MS/MSD recoveries in project sample matrices. One project sample was analyzed as an MS/MSD for volatiles, which met the requirements of the sampling plan. No project sample was selected for MS/MSD analysis for lead; samples from other clients were analyzed for each QC batch. All LCS and MS/MSD samples met the QC recovery limits for accuracy.

Precision

Laboratory precision was addressed through Relative Percent Difference (RPD) calculated from detected results of the LCS/LCSD, and through MS/MSD samples. The number of these samples exceeded the requirements of the sampling plan. All LCS and MS/MSD samples met the QC RPD limits for precision, except as noted in this report. No data was invalidated because of these QC issues.

Field Duplicates

There were two field duplicates collected for this sampling event. The sample labeled DUP-1 was the field duplicate of MW-20, and DUP-2 was the field duplicate for MW19. These met the requirements of the sampling plan for field duplicate sampling. For all field duplicate samples with results detected above the reporting limit, the Relative Percent Difference (RPD) was calculated. The field duplicate

RPD QC limit was set at 30% difference. All field duplicate samples with results detected above the reporting limit met the field duplicate criteria.

Section 1: Data Review on Samples:

List of Samples

Lab Sample Identification #	Field Sample Identification #
490-147750-01	MW-1
490-147750-02	MW-20
490-147750-03	MW-24 SBR
490-147750-04	MW-30 SBR
490-147750-05	MW-29 SBR
490-147750-06	MW-36 SBR
490-147750-07	MW-37 SBR
490-147750-08	MW-38 SBR
490-147750-09	MW-8 SBR
490-147750-10	MW-3
490-147750-11	MW-20 (DUP-1)
490-147750-12	CD-01
490-147850-01	MW-2
490-147850-02	MW-5
490-147850-03	MW-5D
490-147850-04	MW-17
490-147850-05	MW-19
490-147850-06	OBS-8
490-147850-07	MW-19 (DUP-2)

1.0 Data Package Completeness

Were all items delivered as specified in the COC?

Yes.

2.0 Laboratory Case Narrative \ Sample Receipt Form

Were problems noted in the laboratory case narratives or sample receipt form?

Yes.

Receipt

The samples were received the day after shipment, the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.4º C and 0.6º C. The sample cooler for SDG 490-147750 did not contain a sample for the trip blank listed on the COC, so no trip blank analysis could be performed.

Volatile Organics Method 8260B (plus associated sample preparations)

Method 8260B Method Blanks:

The method blank for analytical batch 490-500397 contained Naphthalene, Hexachlorobutadiene and 1,2,4-Trichlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

The method blank for preparation batches 490-500397 and 490-500600 contained 1,2,3-Trichlorobenzene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

The method blank for analytical batches 490-500450 and 490-500600 contained Hexachlorobutadiene above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method 8260B: Sample Dilutions

The following samples were diluted due to the nature of the sample matrix: MW-38 SBR (490-147750-08), MW-5 (490-147850-02) and OBS-8 (490-147850-6). Elevated reporting limits (RLs) are provided.

There were no other issues concerning volatiles analyzed by Method 8260B noted in the case narratives.

Metals Method 6020A (plus associated sample preparations)

The method blank for preparation batch 490-500262 and analytical batch 490-500770 contained Lead above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

There were no other issues noted concerning metals analyzed by Method 6020A in the case narratives.

3.0 Holding Times

Were samples extracted/analyzed within QAPP or method holding time limits?

Yes.

Field ID	Parameter	Analyte	Result, mg/L	Qualification
NA				

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes, as indicated in the table below. Some parameters were detected above the reporting limit in some method blanks, but the affected samples were ND. Other parameters were detected above

the MDL for some parameters that would not normally require corrective action by the laboratory. However, since the laboratory was reporting the project results down to the MDL, any detected sample results that were affected should have been qualified "B" for this review. Any affected samples <5X the reported value in the method blank was review qualified "UJ", meaning the samples should be considered ND for the analyte at the reported J qualified value. There was no trip blank for the volatile organics submitted to the laboratory, so the samples could not be checked for detections in the trip blank.

Blank ID	Para-meter	Analyte	Concentration	Units
MB 500397/9	volatiles	1,2,3-trichlorobenzene	1.212	ug/L
MB 500397/9	volatiles	1,2,2-trichlorobenzene	0.4833 J	ug/L
MB 500397/9	volatiles	Hexachlorobutadiene	1.589 J	ug/L
MB 500397/9	volatiles	Naphthalene	0.4785 J	ug/L
MB 500262/1-A	metals	Lead	0.00012 J	mg/L
MB 500450/7	volatiles	Hexachlorobutadiene	0.7759 J	ug/L
MB 500600/7	volatiles	1,2,3-trichlorobenzene	1.182	ug/L
MB 500600/7	volatiles	Hexachlorobutadiene	0.8140 J	ug/L

Affected results are in table below. All other sample results were either ND or were sufficiently higher than the blank contamination so as to not require qualification.

Field ID	Para-meter	Analyte	New RL	Units	Qualification
MW-20	volatiles	Hexachlorobutadiene	0.499	ug/L	UJ
MW-20 (DUP-1)	volatiles	Hexachlorobutadiene	0.451	ug/L	UJ
MW-19 (DUP-2)	volatiles	Hexachlorobutadiene	0.570	ug/L	UJ

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes. Although the RPD of some LCS Duplicate samples for volatiles technically exceeded the laboratory QC Limits for bromomethane, chloroethane, and carbon disulfide, the compounds were not detected in any of the affected samples, and the percent recoveries in the LCS and LCSD were acceptable, so no qualifier was necessary.

LCS ID	Para-meter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
NA					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Result ug/L	Qualification
NA				

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes.

Field ID	Para-meter	Surrogate	Recovery %	Criteria
NA				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which was associated with quality control samples or which were reported as non-detected and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Also, any samples where only one surrogate recovery was outside the limits (per fraction) would not be qualified provided the surrogate recovery was greater than 10%.

Field ID	Parameter	Analyte	Qualification
NA			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes. Project Samples MW-3 and MW-5 were used as MS/MSD samples for volatiles, and MW-20 was used as an MS/MSD sample for lead.

Were MS/MSD recoveries within evaluation criteria?

No, not for the volatiles MS/MSD samples. Percent recoveries were all acceptable, except in the case of trichloroethene in MW-5. However, in this case the parent sample concentration was greater than 4X the spiking concentration, so the percent recovery was not evaluated. There were several parameters that had high RPD between the MS and MSD analysis, but the percent recoveries were all acceptable. For all of these cases, the parent sample was not detected, so the sample result was not qualified in this review. Therefore these MS/MSD results are not included in the table below.

MS/MSD ID	Para-meter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
NA					

Analytical data that required qualification based on MS/MSD data are included in the table below. Samples that had high recovery in the MS/MSD, but were ND for the analyte in the parent sample did not receive a qualifier. Samples that had high RPD between the MS and MSD with the percent recovery being acceptable in both, but were ND for the analyte in the parent sample did not receive a qualifier.

Field ID	Parameter	Analyte	Result org:(ug/l) met:(mg/l)	Qualification
NA				

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No. Laboratory Precision was determined by LCSD and MS/MSD QC samples.

Were laboratory duplicate sample RPDs within criteria?

NA

Field ID	Parameter	Analyte	RPD	Criteria
NA				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Results %	Qualification
NA				

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes. Two field duplicates were collected as follows:

Field ID	Field Duplicate ID
MW-20	MW-20 (DUP-1)
MW-19	MW-19 (DUP-2)

Were field duplicates for this SDG within evaluation criteria?

Yes. A 30% RPD QC Limit was used as the maximum acceptable RPD value for field duplicates. The RPD was calculated and this limit was applied only to samples and field duplicates detected above the laboratory reporting limit for a given parameter.

Field ID	Field Duplicate ID	Analyte	Results	RPD	Qualification
NA					

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Yes.

The following table identifies the analyses which were reported as not detected when diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
NA		

11.0 Additional Qualifications

Were additional qualifications applied?

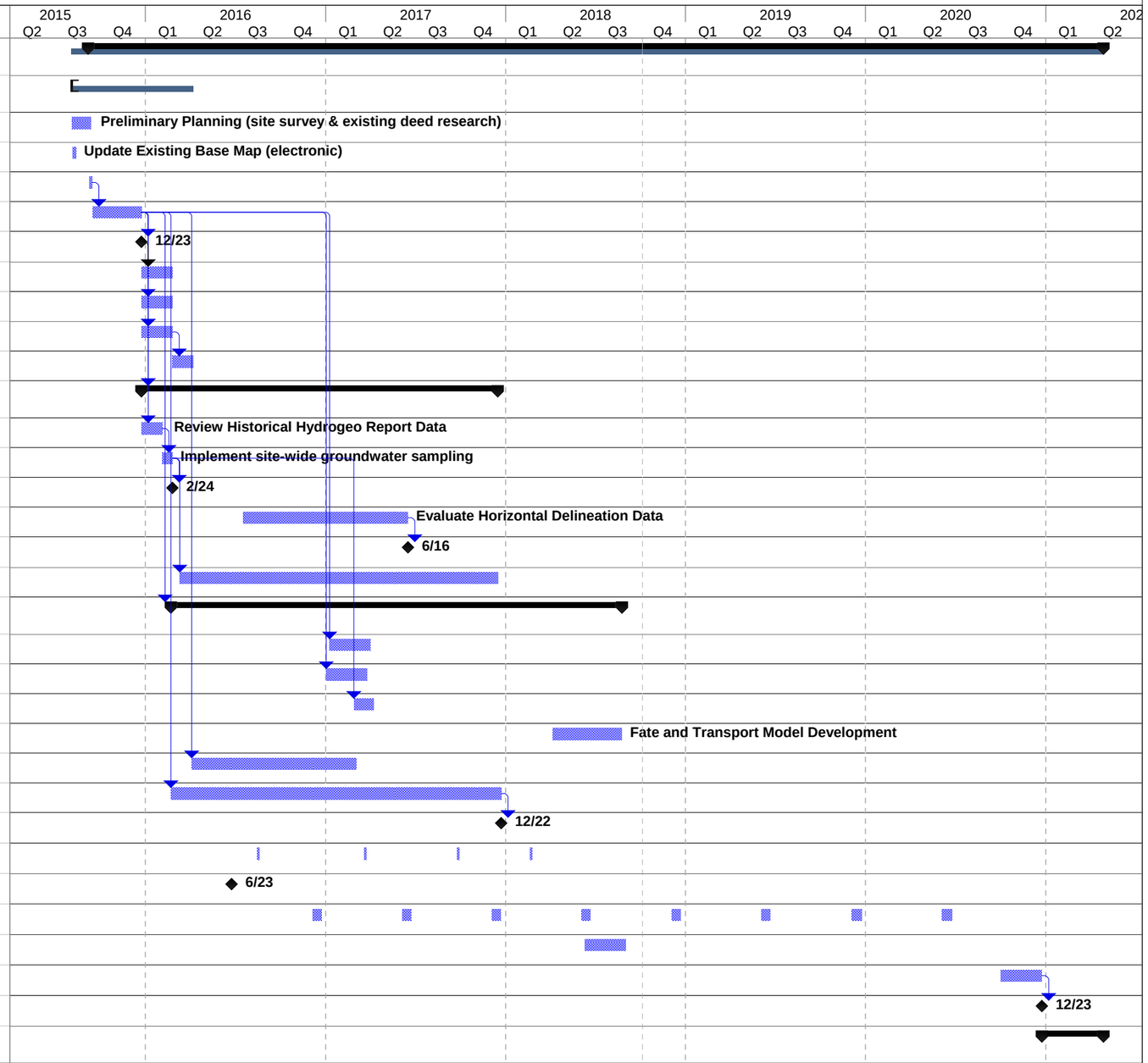
No.

Field ID	Parameter	Analyte	Result ug/M^3	Validation Qualification	Correct Result ug/M^3
NA					

Appendix E Gantt Chart

C & DTechnologies
Conyers VRP Program Activities

ID	Task Name	Duration	Start	Finish
1	**Implementing Voluntary Investigation and Remediation Plan**	**1472 days**	**Mon 9/7/15**	**Tue 4/27/21**
2	**Voluntary Remediation Program Application**		**Mon 8/3/15**	
3	Preliminary Planning (site survey & existing deed research)	28 days	Wed 8/5/15	Fri 9/11/15
4	Update Existing Base Map (electronic)	5 days	Thu 8/6/15	Wed 8/12/15
5	Submitted VRP application	4 days	Wed 9/9/15	Mon 9/14/15
6	Receive GAEPD approval	71 days	Wed 9/16/15	Wed 12/23/15
7	**VRP Application Approval - Milestone**	0 days	Wed 12/23/15	Wed 12/23/15
8	Address GAEPD Comments	45 days	Thu 12/24/15	Wed 2/24/16
9	Update Tax Maps and Warranty Deed Information	45 days	Thu 12/24/15	Wed 2/24/16
10	File Affidavit with clerk of court	45 days	Thu 12/24/15	Wed 2/24/16
11	Send copy of Affidavit recording receipt to GAEPD	30 days	Thu 2/25/16	Wed 4/6/16
12	**Compliance with applicable Risk Reduction Standards**	**517 days**	**Thu 12/24/15**	**Fri 12/15/17**
13	Review Historical Hydrogeo Report Data	30 days	Thu 12/24/15	Wed 2/3/16
14	Implement site-wide groundwater sampling	15 days	Thu 2/4/16	Wed 2/24/16
15	First Semi-Annual Groundwater sampling event	0 days	Wed 2/24/16	Wed 2/24/16
16	Evaluate Horizontal Delineation Data	12 mons	Mon 7/18/16	Fri 6/16/17
17	**Horizontal Groundwater Delineation Update - Milestone**	0 days	Fri 6/16/17	Fri 6/16/17
18	Initial Biochlor Groundwater Model	461 days	Fri 3/11/16	Fri 12/15/17
19	**Potential Human Health Ecological Receptor Evaluation**	**655 days**	**Mon 2/22/16**	**Fri 8/24/18**
20	Update Water Well Survey	60 days	Mon 1/9/17	Fri 3/31/17
21	Potential receptor survey	60 days	Mon 1/2/17	Fri 3/24/17
22	Vapor Intrusion Pathway Evaluation	30 days	Mon 2/27/17	Fri 4/7/17
23	Fate and Transport Model Development	101 days	Fri 4/6/18	Fri 8/24/18
24	Gain Access Offsite (Pittman) for additional groundwater data	12 mons	Mon 4/4/16	Fri 3/3/17
25	Additional Groundwater Horizontal delineation	24 mons	Mon 2/22/16	Fri 12/22/17
26	**Delineation of Release on property without Access -Milestone**	0 days	Fri 12/22/17	Fri 12/22/17
27	**Semi-Annual Groundwater Sampling Events First Two Years**	**600 days**	**Thu 12/24/15**	**Wed 4/11/18**
36	**Submit First SemiAnnual Progress Report- Milestone**	0 days	Thu 6/23/16	Thu 6/23/16
37	**Semi-Annual Progress Reports**	**927 days**	**Mon 12/5/16**	**Tue 6/23/20**
54	**Recalculate Risk Reduction Standards (RRS)**	60 days	Mon 6/11/18	Fri 8/31/18
55	**Compliance Status Report (CSR)**	60 days	Thu 10/1/20	Wed 12/23/20
56	**Submit CSR and Certify Compliance with RRS - Milestone**	0 days	Wed 12/23/20	Wed 12/23/20
57	**Uniform Environmental Covenant (UEC)**	**89 days**	**Thu 12/24/20**	**Tue 4/27/21**



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