

# **C&D TECHNOLOGIES, INC.**

P o w e r S o l u t i o n s

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

October 27, 2017

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. 3  
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. 3 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: David Anderson – C&D Technologies, General Counsel and Corporate Secretary

# Electronic Files – Table of Contents

## Description of file contents..... Volunteer Remediation Program Progress Report 3

---

<b>1. Certification.....</b>	
Conyers VRP Project Geologist	
Georgia Environmental Protection Division Document Submittal Form	
<b>2. Main Document.....</b>	
Volunteer Remediation Program Progress Report 3	
<b>3. Tables .....</b>	
Groundwater Level Measurements .....	Table 1
Summary of Groundwater Analytical Results .....	Table 2
<b>4. Figures.....</b>	
Site Location Map.....	Figure 1
Site Map Groundwater Well Locations .....	Figure 2
Groundwater Elevation Potentiometric Surface Map March 2017.....	Figure 3
Groundwater TCE/PCE Analytical Results March 2017 with TCE Concentration Isopleths.....	Figure 4
Groundwater Lead Analytical Results March 2017 with Approximate Lead Concentration Isopleths.....	Figure 5
Apparent Top of Shallow Bedrock Elevations Contour Map .....	Figure 6
Concentrations Cross Section A-A' .....	Figure 7
Concentrations Cross Section B-B' .....	Figure 8
<b>5. Appendices.....</b>	
Groundwater Sample Collection Field Sheets .....	Appendix A
Laboratory Analytical Reports and Chain-of-Custody Documentation.....	Appendix B
Data Review and Validation Report .....	Appendix C
Gantt Chart.....	Appendix D

**CERTIFICATION**

**Volunteer Remediation Program Progress Report 3**

**C&D Technologies, 1835 Rockdale Industrial Blvd, Conyers, Georgia**

October 2017

**HSI#10734**

**PREPARED FOR**

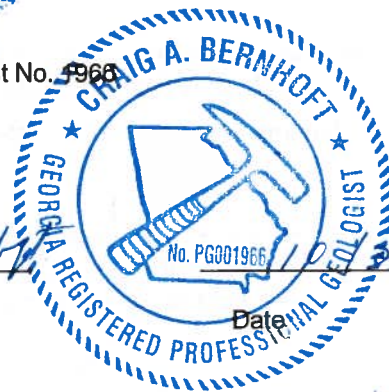
C&D Technologies

1400 Union Meeting Road

Blue Bell, Pennsylvania 19422-0858

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

State of Georgia Professional Geologist No. 9966



*Craig A. Bernhoft* \_\_\_\_\_ 7/2017

Signature

Craig A. Bernhoft, P.G.

AECOM



## Document Submittal Form

**Instructions:** This form should be completed and included with any document submitted to the Response and Remediation Program, Response Development Units 1 – 3, that is greater than 25 pages in length or that contains paper sizes larger than 11"x17". This includes Release Notifications and documents related to Hazardous Site Inventory and Voluntary Remediation Program sites. Contact Brownfield Unit staff for Brownfield submittal guidelines. Your cooperation helps to ensure that documents are filed correctly, completely, and efficiently.

Name of Document: Volunteer Remediation Program Progress Report 3  
Date of Document: October 27, 2017  
Site Name: C&D Technologies, 1835 Rockdale Industrial Blvd, Conyers, Georgia  
Site ID Number: HSI#10734

Document Submittal Checklist. Please certify that the submittal includes the following by checking each box as appropriate. Items 1 – 3 should be checked / included / certified for each submittal:

- 1. One paper copy of the document (double-sided is preferred)
- 2. Two compact discs (CDs), each containing an electronic copy of the document as a single, searchable, Portable Document Format (PDF) file. Only one CD is needed for Release Notifications. CDs should be labeled at a minimum with the following: 1) Name of Document, 2) Date of Document, 3) Site Name, and 4) Site Number. Any scanned images should have a resolution of at least 300 dpi and should be in color if applicable.
- 3. The electronic copies are complete, virus free, and identical to the paper copy except as described in Item 4 below.
- 4. (Optional) To reduce the size of the paper copy, certain voluminous information has been omitted from the paper copy and is included only with the electronic copies:
  - laboratory data sheets
  - manifests
  - other: NA

I certify that the information I am submitting is, to the best of my knowledge and belief, true, accurate, and complete.

Signature:

Name (printed): Craig Bernhoft

Date: 10/27/2017

Organization: AECOM

Phone: 615-771-2480

Email: Craig.bernhoft@aecom.com

Receipt Date  
(for EPD use only)



Submitted to  
C&D Technologies  
1400 Union Meeting Road  
Blue Bell, Pennsylvania 19422

Submitted by  
AECOM  
1000 Corporate  
Centre Dr., Ste. 250  
Franklin, TN 37067  
October 2017

# Volunteer Remediation Program Progress Report 3

C&D Technologies, Inc.  
Conyers, Rockdale County, Georgia

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

# Contents

<b>1.0 Introduction.....</b>	<b>1-1</b>
<b>2.0 Site Background.....</b>	<b>2-2</b>
2.1 Historic Activities.....	2-2
2.2 Site Geology and Hydrogeology .....	2-3
<b>3.0 Semiannual Groundwater Monitoring .....</b>	<b>3-1</b>
3.1 March 2017 Semiannual Groundwater Monitoring Event .....	3-1
3.1.1 Groundwater Gauging and Sampling Protocol .....	3-1
3.1.2 Groundwater Sample Handling .....	3-2
3.1.3 Ancillary Field Activities .....	3-2
3.2 Groundwater Flow Direction .....	3-2
3.3 Analytical Results.....	3-2
<b>4.0 Summary and Future Groundwater Monitoring .....</b>	<b>4-4</b>

## **List of Tables**

Table 1 – Groundwater Elevation Data

Table 2 – Summary of Groundwater Analytical Results

## **List of Figures**

Figure 1 – Site Location Map

Figure 2 – Site Map Groundwater Well Locations

Figure 3 – Groundwater Elevation Potentiometric Surface Map March 2017

Figure 4 – Groundwater TCE/PCE Analytical Results September with TCE Concentration Isopleths

Figure 5 – Groundwater TCE/PCE Analytical Results September with Lead Concentration Isopleths

Figure 6 – Apparent Top of Shallow Bedrock Elevations Contour Map

Figure 7 – Concentrations Cross Section A-A'

Figure 8 – Concentrations Cross Section B-B'

## **List of Appendices**

Appendix A – Groundwater Sample Collection Field Sheets

Appendix B – Laboratory Analytical Reports and Chain-of-Custody Documentation

Appendix C – Data Review and Validation Report

Appendix D – Gantt Chart

**CERTIFICATION**

**Volunteer Remediation Program Progress Report 3**

**C&D Technologies, 1835 Rockdale Industrial Blvd, Conyers, Georgia**

October 2017

**HSI#10734**

**PREPARED FOR**

C&D Technologies

1400 Union Meeting Road

Blue Bell, Pennsylvania 19422-0858

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

State of Georgia Professional Geologist No. 1966

---

Signature

---

Date

Craig A. Bernhoff, P.G.

AECOM



## 1.0 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 Facility since 2006.

C&D submitted a Voluntary Remediation Program (VRP) application in September 2015 to the Georgia Environmental Protection Division (GA EPD) that was approved by the GA EPD letter dated December 23, 2015. The first semi-annual progress report was submitted to the GA EPD in June 2016. This report summarizes the field activities and findings of the third semi-annual groundwater monitoring event conducted in March 2017.

## 2.0 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 C&D Facility 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 upon 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 as well as 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 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 (FMS) 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 semi-annual groundwater event was completed in February and March 2016. Results of the semi-annual groundwater event indicated:

- TCE concentrations detected in some of the groundwater samples collected from the C&D Facility and Pattillo and Latex Properties were above the Georgia HSRA Type 1/3 RRS of 5 µg/L;
- PCE exceeded the Type 1/3 RRS of 5 ug/L on the C&D Facility, Pittman, and Frey-Moss properties;
- Lead concentrations exceeding the Type 1/3 RRS (0.015 mg/L) were detected in 5 of the wells sampled (CD-01, MW-5, MW-5D, MW-19, MW-20);
- TCE and PCE concentrations decreased in the source area (MW-5 and MW-5D) since sampling events conducted prior to 2016; however, concentrations of TCE and PCE increased slightly in down gradient monitoring wells on the Latex property; and
- The concentration isopleth boundary decreased along the eastern perimeter wells on the Pattillo Property.

AECOM proposed collecting groundwater samples from select wells for the 2017 semi-annual sampling event. Wells located within the highest TCE concentration area (CD-01, 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, MW-37, MW-38 SBR, OBS-8) and off-site wells (MW-11, MW-11D, MW-16 and MW-27 SBR) were selected for sampling. The semi-annual event was completed in March 2017.

## 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 one 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 below ground surface (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.

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 upon groundwater elevations for the shallow aquifer during the March 2017 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.

## 3.0 Semiannual Groundwater Monitoring

For the groundwater monitoring event 20 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.

### 3.1 March 2017 Semiannual Groundwater Monitoring Event

Groundwater samples were collected on March 28 through March 30, 2017 from the groundwater wells located on the C&D property and surrounding properties (C&D-01, MW-2, MW-3, MW-5, MW-5D, MW-8 SBR, MW-11, MW-11D, MW-16, MW-17, MW-19, MW-20, MW-24 SBR, MW-27 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 (US EPA) Method 8260B and/or lead using US EPA Method 6020A. One duplicate sample was collected for quality assurance and quality control (QA/QC). Two matrix spike/matrix spike duplicates were also collected for QA/QC purposes. A trip blank was provided by the laboratory.

#### 3.1.1 Groundwater Gauging and Sampling Protocol

Monitoring wells were gauged and sampled in general accordance with the US EPA Region 4 Field Branches Quality System and Technical (FBQST) Procedures. Each monitoring well was opened and allowed to equilibrate. Groundwater level measurements were recorded using an electronic water level indicator. Groundwater levels were recorded to the nearest 0.01 ft 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 (ft mean sea level) to calculate the groundwater elevation at each well location for potentiometric purposes.

AECOM was not able to collect groundwater level measurements from monitoring wells MW-1, MW-13, and C&D-02. Monitoring well MW-1 could not be located. It is believed MW-1 may have been damaged during construction work that has been completed in the area. Monitoring well MW-13 is located off site on property owned by a private resident. No one was available at the residence during the sampling to allow access. Consistent with the September 2016 groundwater sampling event, monitoring well C&D-02 could not be located.

With the exception of MW-17, groundwater samples were collected from monitoring wells C&D-01, MW-2, MW-3, MW-5, MW-5D, MW-8 SBR, MW-11, MW-11D, MW-16, MW-19, MW-20, MW-24, MW-27 SBR, MW-29 SBR, MW-30, 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 US EPA 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., 3 to 5 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 there was enough recharge water to collect a sample.

Water quality parameters including temperature, pH, conductivity, oxidation-reduction potential (ORP), 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 at 5-minute intervals until the parameters stabilized. Samples were collected in accordance with USEPA SESD parameter stabilization criteria, when, for at least three consecutive measurements, the pH remained constant within 0.1 Standard Unit (SU), specific conductance varied no more than 5 percent, dissolved oxygen (DO) was below 0.2 mg/L or 10% change in saturation, and turbidity stabilized or was 10 nephelometric turbidity units (NTUs). Upon stabilization, groundwater samples were transferred to the appropriate laboratory supplied sample containers. Refer to **Appendix A** for the groundwater sampling field logs.

### 3.1.2 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 well were handled using new, disposable Nitrile gloves. Groundwater samples were labeled and placed on wet ice in general accordance with chain-of-custody protocol prior to being picked up by a Test America Laboratory (TA) courier. The TA courier subsequently packaged and shipped the groundwater samples to TA's Nashville, Tennessee location for chemical analysis.

### 3.1.3 Ancillary Field Activities

Following sampling, purge water was contained in two steel 55-gallon drums, sampled for waste characterization and disposed. Sampling equipment including the electronic water level meters were decontaminated prior to initial use and after being used at each well with a Liquinox and distilled water mixture and a distilled water rinse.

## 3.2 Groundwater Flow Direction

Depth to groundwater was measured during the March 2017 monitoring event as described in Section 3.1.3. 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 2017 groundwater sampling event, as well as previous events, are presented in **Table 1**. A groundwater potentiometric map using the March 2017 groundwater elevation data is presented in **Figure 3**. Consistent with previous groundwater sampling events, the apparent groundwater flow direction at the site is to the north-northeast.

## 3.3 Analytical Results

Current and historical analytical data are summarized in **Table 2**. For evaluation, the analytical data was 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 B**. Analytical data was reviewed by an AECOM chemist for quality assurance purposes. The data validation report is included as **Appendix C**.

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-5 and MW-5D. Concentrations of TCE also exceeded the Type 1/3 RRS in the groundwater samples collected

from monitoring wells MW-2, MW-3, 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 wells MW-17 and MW-29 SBR. Lead concentrations exceeded the Type 1/3 RRS (0.015 mg/L) in monitoring wells C&D-01, MW-5D 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.

## 4.0 Summary and Future Groundwater Monitoring

The C&D Rockdale Industrial Blvd Facility was accepted into the Georgia Voluntary Remediation Program in December 2015. Three semi-annual groundwater sampling events have been completed at the facility since entering the VRP. Semi-annual groundwater sampling events were previously completed in February/March 2016 and September 2016. The summary of groundwater sampling activities indicates the following:

- TCE concentrations exceeding the Type 1/3 RRS (5 mg/L) were detected in eleven monitoring wells (MW-2, 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 exceeding the Type 1/3 RRS (5 mg/L) have been detected in two of the wells sampled (MW-17 and MW-29 SBR).
- Lead concentrations exceeding the Type 1/3 RRS (0.015 mg/L) have been detected in three of the wells sampled (CD-01, MW-5D, and MW-20).
- TCE and PCE concentrations have remained consistent with historical concentrations in the source area (MW-5 and MW-5D) and in down gradient monitoring wells on the Latex property since previous sampling events.
- The concentration isopleth boundary is unchanged from the previous sampling event.

Analytical data indicates the previously delineated plume remains consistent with previous interpretations and the 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 next semi-annual groundwater monitoring event is scheduled for September 2017. Based on the current and historical analytical results, C&D proposes to again sample the approved select wells within the highest TCE concentrations area (see **Figure 4**). Specifically this includes wells: C&D-01, MW-1, MW-2, MW-3, MW-5, MW-5D, MW-8 SBR, MW-17, MW-19, MW-20, MW-24, MW-29 SBR, MW-30, MW-36 SBR, MW-37 SBR, MW-38 SBR, and OBS-8. Please refer to the sampling schedule provided in the Gantt chart included as **Appendix D**.



## Tables









Table 2  
Summary of Groundwater Analytical Results  
C D Technologies  
1835 Rockdale Industrial Boulevard  
Conyers, Rockdale County, Georgia

Chemical Constituent	Type 1/3 RRS	MW-26 SBR					MW-27 SBR					MW-28 SBR					MW-29 SBR					MW-30 SBR										
		Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Feb-16	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Jun-09	Oct-10	Feb-16	Sep-16	Mar-17	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17
Arsenic	0.01	NA	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS	NA	NS	NS	NA	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS
Barium	2	NA	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS	NA	NS	NS	NA	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	
Cadmium	0.005	NA	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS	NA	NS	NS	NA	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	
Chromium	0.1	NA	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS	NA	NS	NS	NA	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	
Lead	0.015	NA	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS	NA	NS	NS	NA	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	
Mercury	0.002	NA	NS	NA	NS	NS	NS	NS	NS	NS	NA	NS	NA	NS	NS	NA	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	
1,4-Dichlorobenzene	75	1U	NS	1U	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NA	1U	NS	1U	NS	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	
2-Butanone	2000	50U	NS	50U	NS	NS	NS	NS	NS	NS	50U	50U	NS	50U	NS	NA	50U	NS	50U	NS	NS	50U	NS	50U	50U	50U	50U	50U	50U	50U	50U	
Acetone	4000	50U	NS	25U	NS	NS	NS	NS	NS	NS	25U	50U	NS	25U	NS	NA	50U	NS	25U	NS	NS	50U	NS	9.26J	9.26J	25U	50U	NS	25U	25U	25U	
Carbon disulfide	4000	1U	NS	1U	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NA	1U	NS	1U	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	NS	
Chloroform	100	1U	NS	1U	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NA	1U	NS	1U	NS	NS	1U	NS	1.49	1.44	1.63	1U	NS	1U	1U	1U	
cis-DCE	1	1U	NS	1U	NS	NS	NS	NS	NS	NS	1U	4.07	NS	1U	NS	NS	NS	2.86	NS	3.36	NS	NS	1U	NS	1U	NS	1U	NS	1U	1U	1U	
p-Isopropyltoluene	1	1U	NS	1U	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NA	1U	NS	1U	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	1U	
PCE	5	6.96	NS	2.93	NS	NS	NS	NS	NS	NS	NS	NS	3.99	NS	NS	NA	1.13	NS	2.94	NS	NS	1U	NS	6.6	9.02	9.2	1U	NS	1U	1U	1U	
trans-DCE	100	1U	NS	1U	NS	NS	NS	NS	NS	NS	1U	1U	NS	1U	NS	NA	1U	NS	1U	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	1U	
TCE	5	8.57	NS	2.13	NS	NS	NS	NS	NS	NS	0.417J	5.59	NS	14.3	NS	NS	NA	7.68	NS	37.3	NS	NS	6.78	NS	34.9	39.0	44.4	2.64	NS	4.71	3.46	2.46

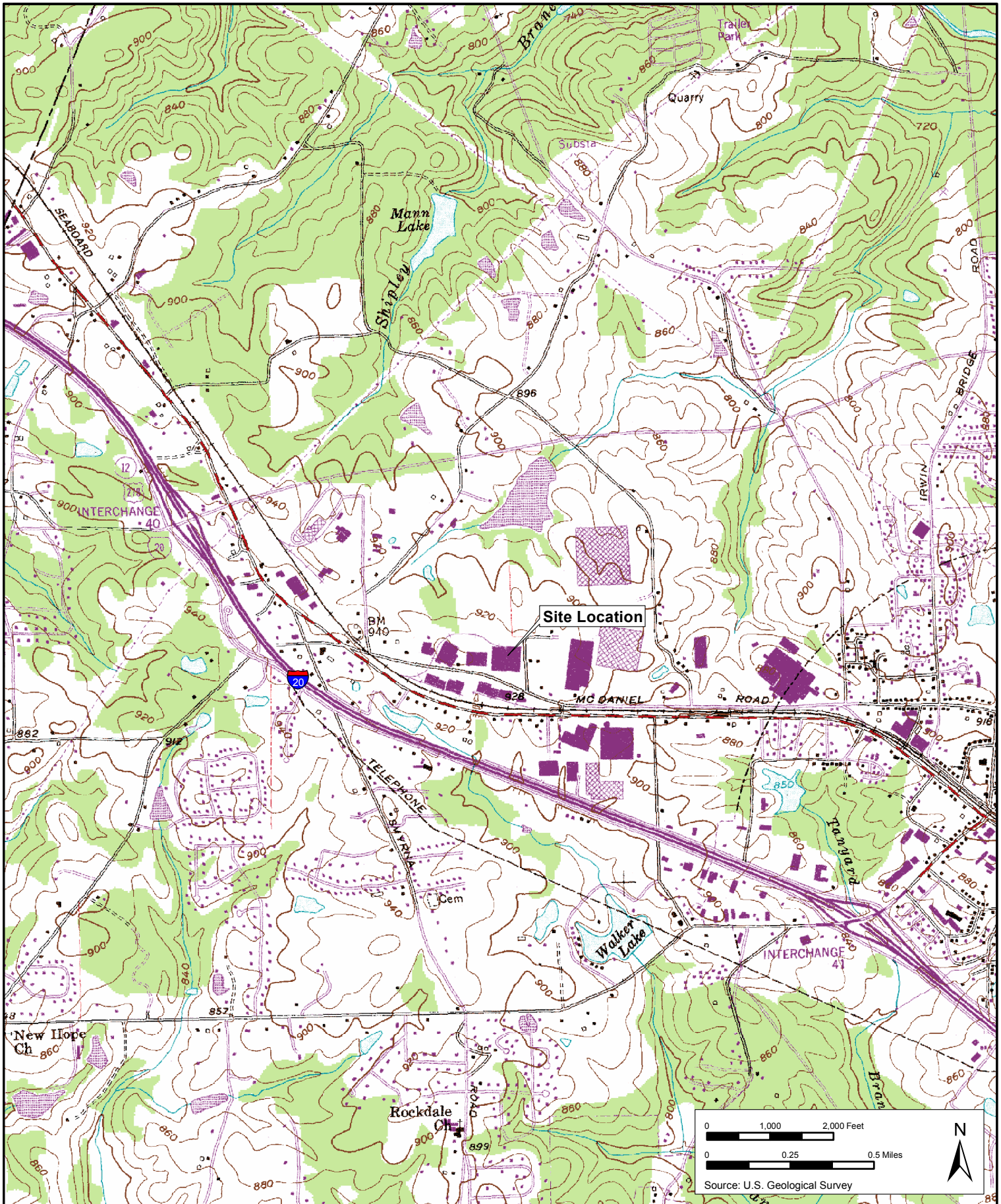
Chemical Constituent	Type 1/3 RRS	MW-32 SBR					MW-33 SBR					MW-34 SBR					MW-35 SBR														
		Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17	Jun-09	Oct-10	Mar-16	Sep-16	Mar-17										
Arsenic	0.01	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA
Barium	2	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA
Cadmium	0.005	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA
Chromium	0.1	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA
Lead	0.015	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA
Mercury	0.002	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NA	NS	NA	NS	NS	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA
1,4-Dichlorobenzene	75	1.87	NS	0.671J	NS	NS	5.98	NS	2.91	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	
2-Butanone	2000	50U	NS	50U	NS	NS	50U	NS	50U	NS	NS	50U	NS	50U	NS	NS	50U	NS	50U	NS	NS	50U	NS	50U	NS	50U	NS	50U	NS	50U	NS
Acetone	4000	50U	NS	25U	NS	NS	50U	NS	25U	NS	NS	50U	NS	25U	NS	NS	50U	NS	25U	NS	NS	50U	NS	25U	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	4000	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	NS
Chloroform	100	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	0.312J	NS	NS	1U	NS	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U
cis-DCE	1	1U	NS	0.261J	NS	NS	1.32	NS	0.625J	NS	NS	1U	NS	1U	NS	NS	1U	NS	NS	1U	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U
p-Isopropyltoluene	1	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	NS
PCE	5	1U	NS	1U	NS	NS	14.8	NS	13.4	NS	NS	1U	NS	1U	NS	NS	2.64U	NS	1.83	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	NS
trans-DCE	100	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	NS
TCE	5	1.92	NS	0.760J	NS	NS	1.91	NS	1.71	NS	NS	1U	NS	0.541J	NS	NS	2.95	NS	1.63	NS	NS	1U	NS	1U	NS	1U	NS	1U	NS	1U	NS

Chemical Constituent	Type 1/3 RRS	MW-36 SBR				MW-37 SBR				MW-38 SBR					
		Oct-10	Mar-16	Sep-16	Mar-17	Oct-10	Mar-16	Sep-16	Mar-17	Oct-10	Mar-16	Sep-16	Mar-17		
Arsenic	0.01	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	
Cadmium	0.005	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	
Lead	0.015	0.500U	NA	NA	NA	0.500U (M4)	0.00894	NS	NS	0.500U	NA	NA	NA	NA	
Mercury	0.002	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	5U	
2-Butanone	2000	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	50U	51.8J	42.0J
Acetone	4000	50U	25U	25U	25U	50U	5.02J	5.02J	25U	50U	112	98.3J	63.5J		
Carbon disulfide	4000	1U	1U	1U	1U	1U	1U	1U	1U	1U	2.4	2.72J	1.30J		
Chloroform	100	1.96	1U	1U	1U	7.9	1U	0.234J	1U	1U	0.336J	1U	5U		
cis-DCE	1	1U	1U	1U	1U	1U	0.253J	0.647J	1U	1U	23	29.6	33.7		
p-Isopropyltoluene	1	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	5U		
PCE	5	2.89	1.15	3.15	2.76	2.59	1.33	1.95	1.22	1.16	1.96	1.69J	5U		
trans-DCE	100	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	5U		
TCE	5	217	83.1	134	131	460	130	164	183	486	535	436	525		

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 RRS  
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



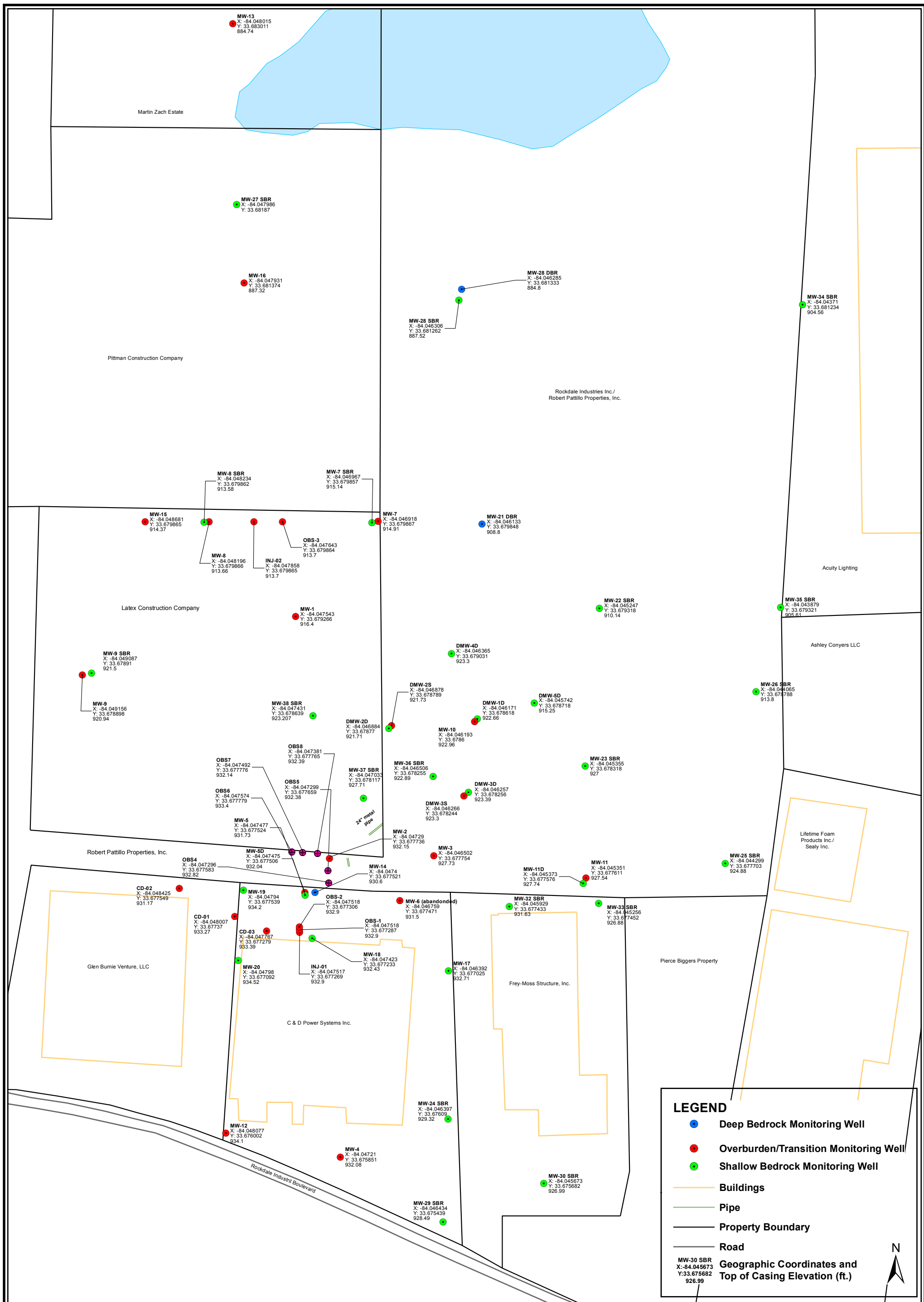
SCALE: 1:24,000	DRAWN BY: DW	DATE: 5/10/2016
	CHECKED BY: JM	DATE: 5/10/2016

SITE LOCATION MAP

PROJECT NO:  
60398770

FIGURE NO:  
1





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



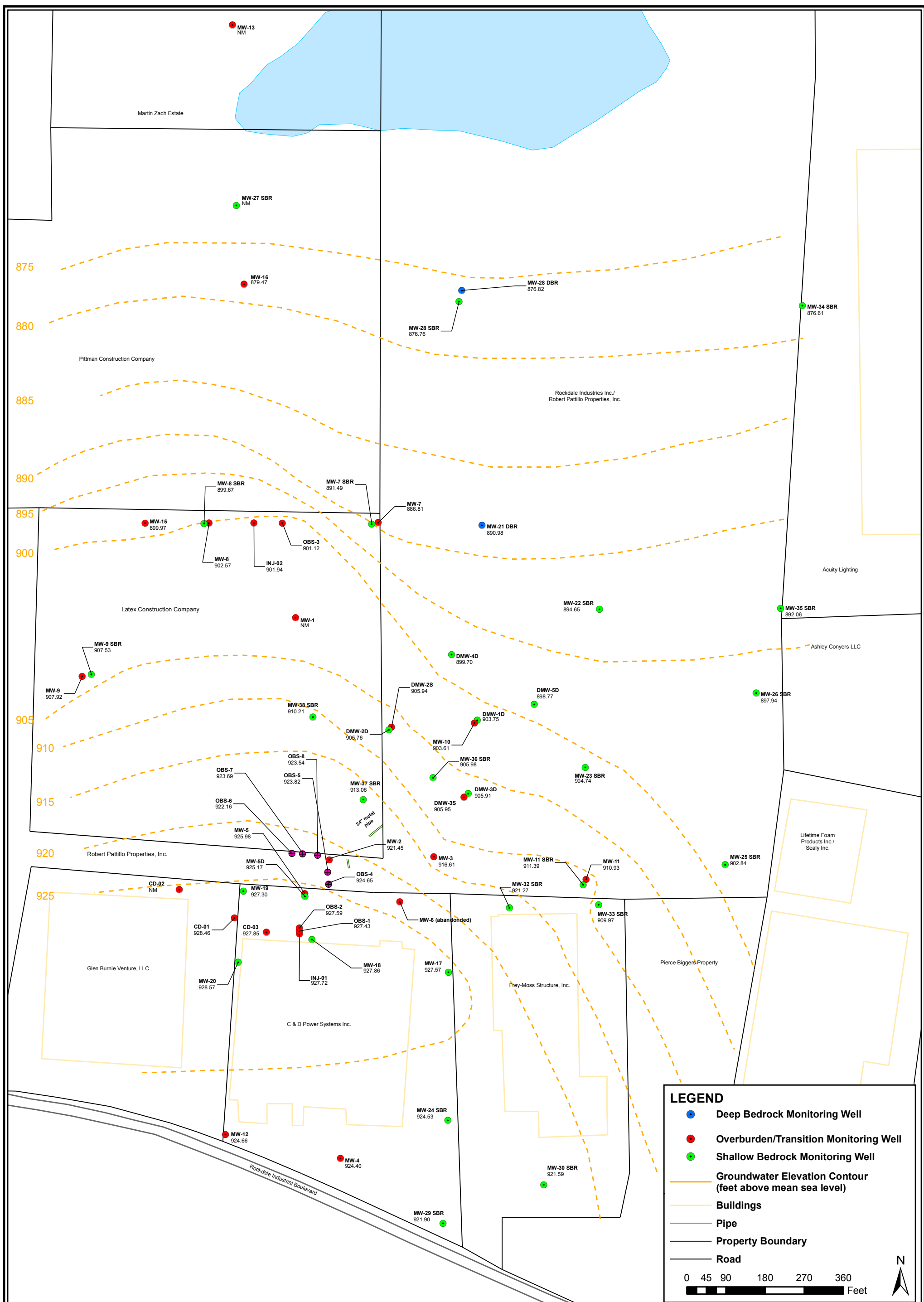
SCALE: 1:2,400 1" = 200'	DRAWN BY: DW	DATE: 6/22/2016
	CHECKED BY: JM	DATE: 6/22/2016

G:\C\_D\_Technologies\Conyers Plant\deliverables\fig1-1\_groundwater\_well\_locations.mxd

**SITE MAP  
 GROUNDWATER  
 WELL LOCATIONS**

PROJECT NO:  
60398770

FIGURE NO:  
2



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



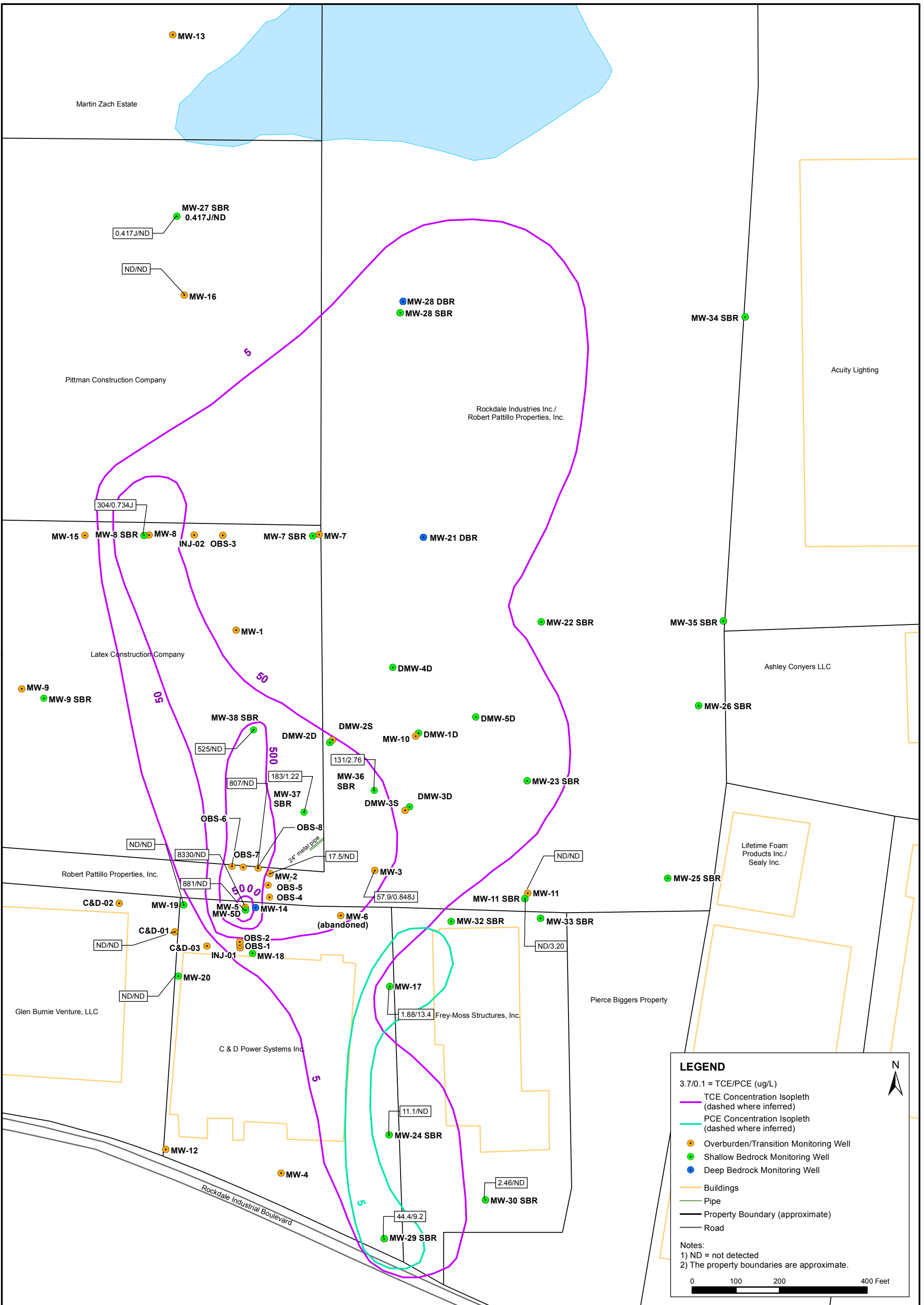
**GROUNDWATER ELEVATION  
 POTENTIOMETRIC  
 SURFACE MAP**  
 March 2017

PROJECT NO:  
60398770

FIGURE NO:  
3

SCALE: 1:2,400 1" = 200'	DRAWN BY: DW	DATE: 8/11/2017
	CHECKED BY: JM	DATE: 8/11/2017

G:\C\_D\_Technologies\Conyers Plant\deliverables\fig1-3\_potentiometric\_map062017.mxd



**LEGEND**

3.7/0.1 = TCE/PCE (ug/L)

- TCE Concentration Isopleth (dashed where inferred)
- PCE 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**

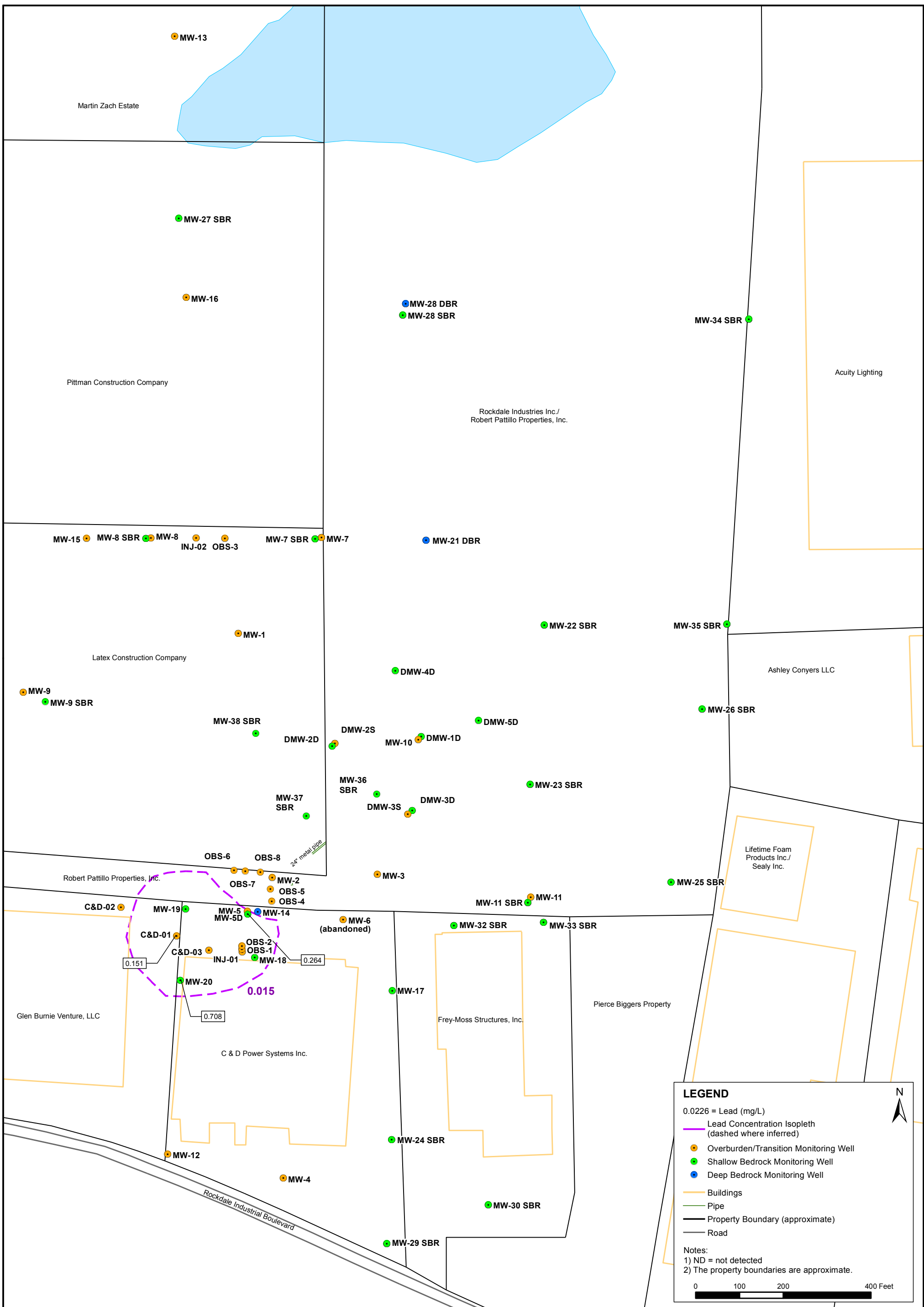
SCALE: 1:2,400 1" = 200'	DRAWN BY: DW	DATE: 8/11/2017
	CHECKED BY: JM	DATE: 8/11/2017

G:\C\_D\_Technologies\Conyers Plant\deliverables\fig5-1\_Grdwtr\_TCE\_plume\_062017.mxd

**GROUNDWATER TCE/PCE  
 ANALYTICAL RESULTS  
 MARCH 2017 WITH  
 APPROXIMATE TCE  
 CONCENTRATION ISOPLETHS**

PROJECT NO:  
60398770

FIGURE NO:  
4



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



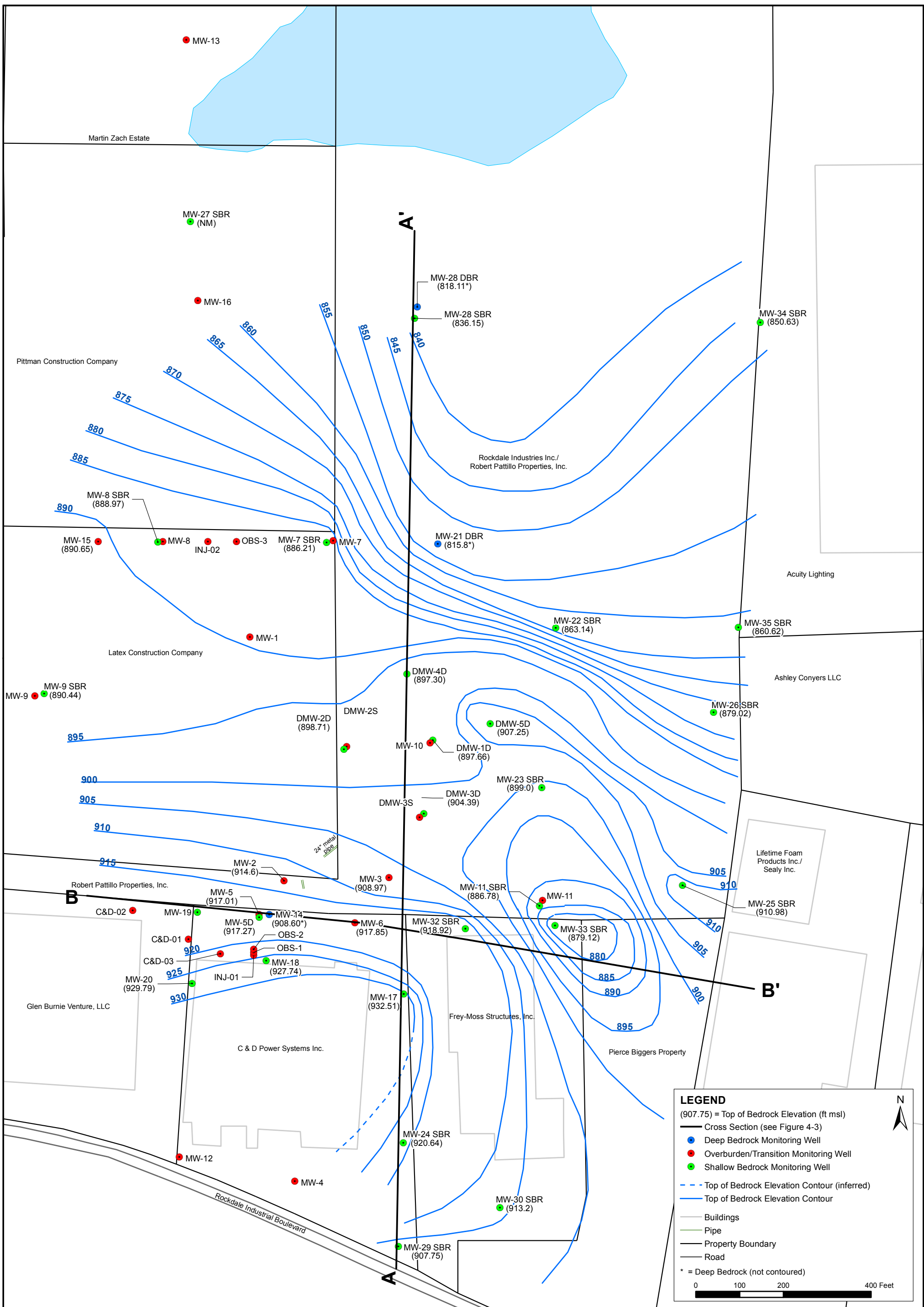
SCALE: 1:2,400 1" = 200'	DRAWN BY: DW	DATE: 8/10/2017
	CHECKED BY: JM	DATE: 8/10/2017

G:\C\_D\_Technologies\Conyers Plant\deliverables\fig5-2\_Grdwtr\_Lead\_062017.mxd

GROUNDWATER LEAD  
 ANALYTICAL RESULTS  
 MARCH 2017 WITH  
 APPROXIMATE LEAD  
 CONCENTRATION ISOPLETHS

PROJECT NO:  
60398770

FIGURE NO:  
5



**LEGEND**

- (907.75) = Top of Bedrock Elevation (ft msl)
- Cross Section (see Figure 4-3)
- Deep Bedrock Monitoring Well
- Overburden/Transition Monitoring Well
- Shallow Bedrock Monitoring Well
- - - Top of Bedrock Elevation Contour (inferred)
- Top of Bedrock Elevation Contour
- ▭ Buildings
- Pipe
- Property Boundary
- Road
- \* = Deep Bedrock (not contoured)

0 100 200 400 Feet

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

**AECOM**  
 Franklin, Tennessee

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

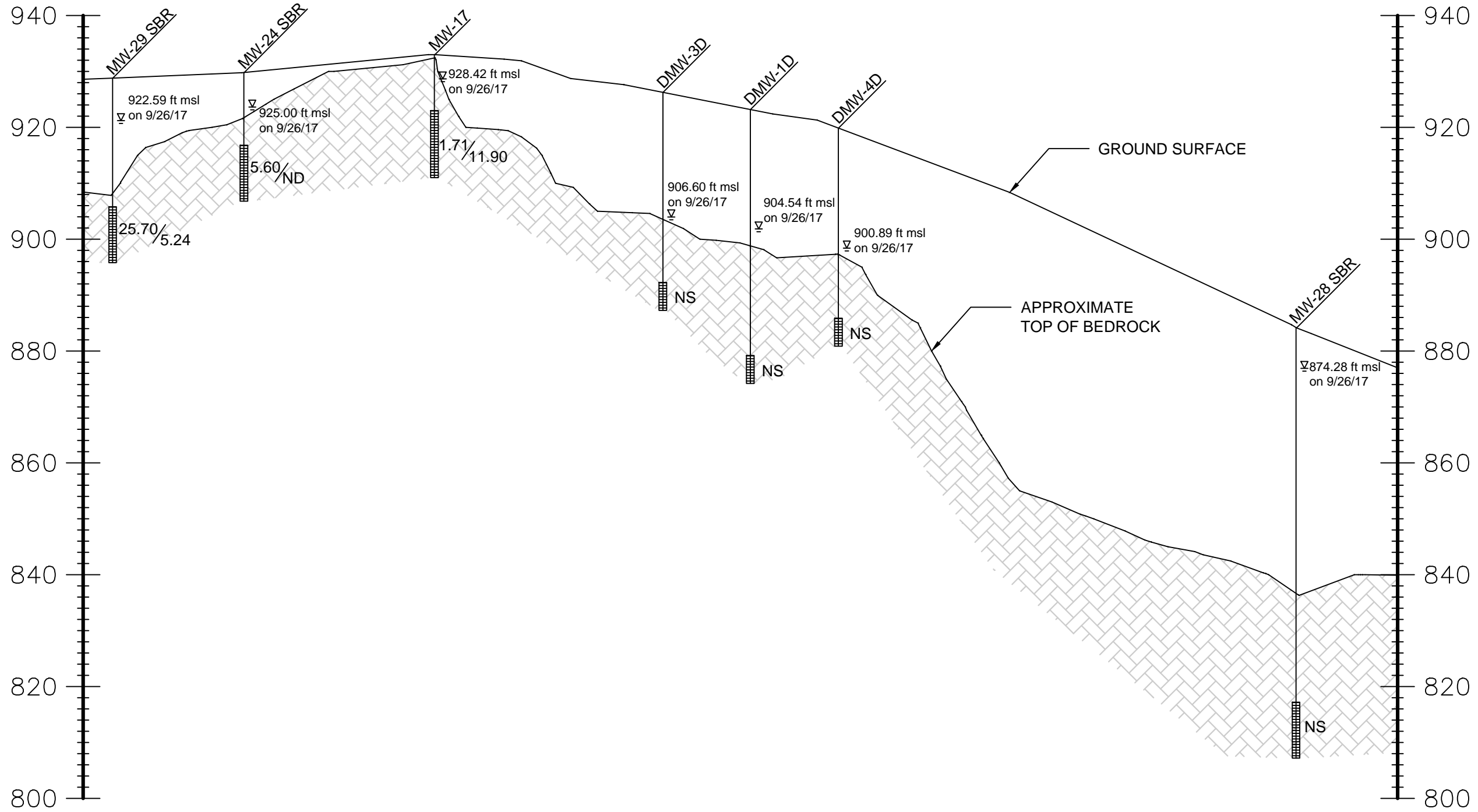
G:\C\_D\_Technologies\Conyers Plant\deliverables\fig1-4\_BedrockElevationMap\_092016.mxd

**APPARENT TOP OF SHALLOW  
 BEDROCK ELEVATIONS  
 CONTOUR MAP**

PROJECT NO:  
60398770

FIGURE NO:  
6

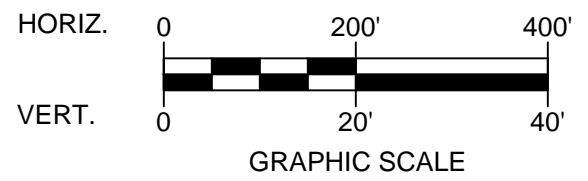
\\10.73.7.1\ahmed\2017\C&D Technologies\Conyers\VRP\Groundwater Progress Reports\Semi-annual Progress Report 3 March 2017\CAD\C&D Conyers.dwg User:orzooc Oct 30, 2017 - 10:57am



## LEGEND

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

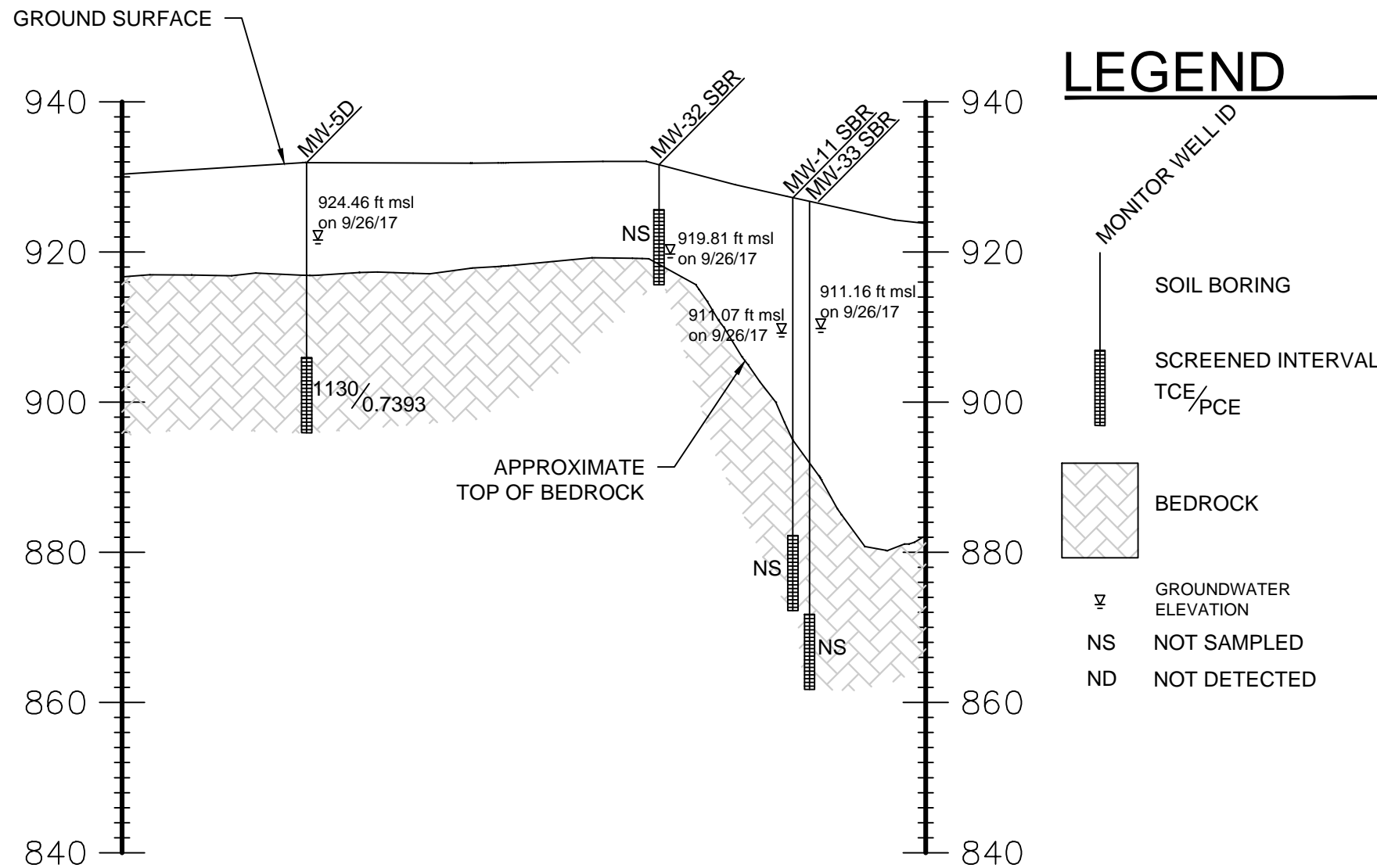
### CROSS SECTION A-A'



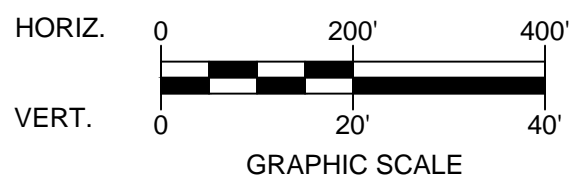
CONCENTRATIONS CROSS SECTION A-A'	
C & D TECHNOLOGIES, INC. 1835 INDUSTRIAL BLVD CONYERS, GEORGIA	
<small>1000 CORPORATE CENTRE DR, STE 250 Franklin, TN 37067-6209</small>	
DRAWN BY: SD	DATE: 01/04/2017
CHECKED BY: CB	JOB NO.: 60398770
SCALE: AS SHOWN	
<b>FIGURE 7</b>	



\\10.73.7.1\shared\2017\C&D Technologies\Conyers\VRP\Groundwater Progress Reports\Semi-annual Progress Report 3 March 2017\CAD\C&D Conyers.dwg User:orzooc Oct 30, 2017 - 10:57am



CROSS SECTION B-B'



CONCENTRATIONS CROSS SECTION B-B'	
C & D TECHNOLOGIES, INC. 1835 INDUSTRIAL BLVD CONYERS, GEORGIA	
<b>AECOM</b> 1000 CORPORATE CENTRE DR, STE 250 Franklin, TN 37067-6209	
DRAWN BY: SD	DATE 01/04/2017
CHECKED BY: CB	JOB NO.: 60398770
SCALE AS SHOWN	
<b>FIGURE 8</b>	

## **Appendix A**

### **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: 3/28/17	

## PURGING DATA

WELL DIAMETER (Inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.02	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 = (10.07 feet - 5.02 feet) X 0.65 liters/foot = 3.28 liters			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME 1 EQUIPMENT VOLUME = (15 feet X 0.005 liters/foot) + 0.1 liters = 0.18 liters			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 14:02	PURGING ENDED AT:
WATER QUALITY INSTRUMENT(S): YSI-556-Pro Plus LaMotte Turbidimeter Hoch 2100Q		SERIAL NO(S):	
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) <input type="checkbox"/> Previously Calibrated			
Precalibration Readings:	19.7 °C	4.01/7.00/10.84	237 mV
Calibrated Readings:	19.7 °C	4.00/7.00/10.80	240 mV
			1.37 mS/cm
			10.1 NTU
			8.89 mg/L
			1.41 mS/cm
			10.0 NTU
			8.95 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)
	1404	0.2	0.2	0.1	5.46	19.6	6.73	176.3	78.6	5	3.80
	1409	1	1.2	0.2	6.02	19.0	6.22	163.5	75.3	68.1	3.54
	1414	0.75	1.95	0.15	6.12	19.7	6.22	156.6	75.3	100	3.03
	1419	0.6	2.55	0.12	6.28	19.4	6.25	140.1	74.6	137	2.54
	1424	0.6	3.15	0.12	6.44	19.5	6.26	138.0	74.5	140	2.16
	1429	0.5	3.65	0.10	6.42	20.5	6.27	135.2	0.069	214	1.88
	1434	0.5	4.15	0.10	6.39	21.2	6.29	126.4	0.071	226	1.92
	1439	0.5	4.65	0.10	6.40	21.2	6.30	122.4	0.071	217	1.94
	1444	0.5	5.15	0.10	6.41	21.0	6.30	115.5	0.072	200	1.84
	1449	0.5	5.65	0.10	6.44	21.2	6.32	99.6	0.073	176	1.58
	1454	0.5	6.15	0.10	6.45	20.7	6.30	105.4	0.072	168	1.48
	1459	0.5	6.65	0.10	6.47	20.3	6.27	116.8	0.072	152	1.30
	1504	0.5	7.15	0.10	6.47	20.4	6.27	122.4	0.072	143	1.18
	1509	0.5	7.65	0.10	6.49	20.1	6.27	128.4	0.073	142	1.19
	1514	0.5	8.15	0.10	6.54	19.8	6.26	133.7	0.072	131	1.12
	1519	0.5	8.65	0.10	6.62	19.5	6.26	138.4	0.071	121	1.08
	1524	0.5	9.15	0.10	6.65	19.9	6.26	142.4	0.072	115	1.00
	1529	0.5	9.65	0.10	6.68	19.6	6.26	142.5	0.072	114	1.01
	1534	0.5	10.15	0.10	6.70	19.5	6.26	143.8	0.072	115	0.99
	1539	0.5	10.65	0.10	6.74	19.9	6.26	143.3	0.073	116	0.96

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

NOTES:  
 1410 - Reduce pumping rate to 0.15 LPM.  
 1415 - Reduce pumping rate to 0.12 LPM.  
 1430 - Reduce pumping rate to 0.1 LPM.  
 1450 - Reduce pumping rate to minimum (still 0.1 LPM).

### STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

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

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:		SAMPLER(S) SIGNATURES:		SAMPLING INITIATED AT:	SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet):		SAMPLE PUMP FLOW RATE (L per minute):		TUBING MATERIAL CODE:		
FIELD DECONTAMINATION:   Y   N		FIELD-FILTERED:   Y   N      FILTER SIZE: _____ μm		DUPLICATE:      Y      N		
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
REMARKS:						
MATERIAL CODES:   AG = Amber Glass;   CG = Clear Glass;   PE = Polyethylene;   PP = Polypropylene;   S = Silicon;   T = Teflon;   O = Other (Specify)						
SAMPLING / PURGING    APP = After Peristaltic Pump;   B = Bailor;   ESP = Electric Submersible Pump;   PP = Peristaltic Pump;						
EQUIPMENT CODES:    RFPP = Reverse Flow Peristaltic Pump;   SM = Straw Method (Tubing Gravity Drain);   VT = Vacuum Trap;   O = Other (Specify)						

SOLUBILITY OF OXYGEN IN WATER					
at normal atmospheric conditions <sup>1</sup>					
Temperature	O2 Solubility	Temperature	O2 Solubility	Temperature	O2 Solubility
°C	mg/L	°C	mg/L	°C	mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

Pg 2 of 4

# 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: 3/28/17	

## PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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 = <u>3.28</u> liters <i>3x = 9.84L</i> <span style="float: right;"><i>5x = 16.4L</i></span>			
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: <u>1610</u>
WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):	TOTAL VOLUME PURGED (liters): <u>13.7</u>
YSI - 556		LaMotte Turbidimeter	
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input type="checkbox"/> Previously Calibrated			
Precalibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

## 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)
	1544	0.5	11.15	0.1	6.76	19.8	6.27	<del>127.9</del> 127.9	0.073	106	0.93
	1549	0.5	11.65	0.1	6.79	20.0	6.30	130.1	0.074	103	0.97
	1554	0.5	12.15	0.1	6.84	20.0	6.28	123.6	0.074	102	0.87
	1559	0.5	12.65	0.1	6.84	19.6	6.27	126.5	0.073	95.3	0.87
	1604	0.5	13.15	0.1	6.85	20.0	6.27	127.8	0.074	96.2	0.85
	1609	0.5	13.65	0.1	6.87	20.2	6.29	123.2	0.076	93.7	0.84

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

NOTES: 1610 - All stable except H2O level ↓ 0.03' over 15 minutes. Turbidity > 10 NTUs but ± 5% (stable). end purge.

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%

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>R. Hilliard / AEcon</i>		SAMPLER(S) SIGNATURES: <i>R Hill</i>		SAMPLING INITIATED AT: <i>1613</i>	SAMPLING ENDED AT: <i>1621</i>		
PUMP OR TUBING DEPTH IN WELL (feet): <i>7'</i>		SAMPLE PUMP FLOW RATE (L per minute): <i>0.1</i>		TUBING MATERIAL CODE: <i>PE</i>			
FIELD DECONTAMINATION: <input checked="" type="radio"/> Y <input type="radio"/> N		FIELD-FILTERED: <input type="radio"/> Y <input checked="" type="radio"/> N		FILTER SIZE: _____ $\mu$ m	DUPLICATE: <input type="radio"/> Y <input checked="" type="radio"/> N		
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED			
<i>CD-01</i>	<i>1</i>	<i>0.25 L</i>	<i>PE</i>	<i>HNO<sub>3</sub></i>		<i>PB</i>	<i>APP</i>
<i>CD-01</i>	<i>3</i>	<i>40 mL</i>	<i>CG</i>	<i>HCl</i>		<i>8260</i>	<i>APP</i>
REMARKS: <i>* Due to elevated turbidity tubing was not removed for VOC analysis.</i>							
MATERIAL CODES: <b>AG</b> = Amber Glass; <b>CG</b> = Clear Glass; <b>PE</b> = Polyethylene; <b>PP</b> = Polypropylene; <b>S</b> = Silicon; <b>T</b> = Teflon; <b>O</b> = Other (Specify)							
SAMPLING / PURGING <b>APP</b> = After Peristaltic Pump; <b>B</b> = Bailer; <b>ESP</b> = Electric Submersible Pump; <b>PP</b> = Peristaltic Pump;							
EQUIPMENT CODES: <b>RFPP</b> = Reverse Flow Peristaltic Pump; <b>SM</b> = Straw Method (Tubing Gravity Drain); <b>VT</b> = Vacuum Trap; <b>O</b> = Other (Specify)							

SOLUBILITY OF OXYGEN IN WATER					
at normal atmospheric conditions <sup>1</sup>					
Temperature	O2 Solubility	Temperature	O2 Solubility	Temperature	O2 Solubility
°C	mg/L	°C	mg/L	°C	mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

# 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: 3/30/17	

## PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 7.5 feet to 17.5 feet	STATIC DEPTH TO WATER (feet): 10.86	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 = ( 17.97 feet - 10.86 feet ) X 0.65 liters/foot = 4.6 liters						
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME 1 EQUIPMENT VOLUME = ( 21 feet X 0.005 liters/foot ) + 0.1 liters = 0.2 liters						
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0807	PURGING ENDED AT: 0925	TOTAL VOLUME PURGED (liters): 11.6		
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) <input type="checkbox"/> Previously Calibrated						
Pre-calibration Readings: 21.8 °C		400/7.01/88.05	243.2 mV	1.39 mS/cm	10.8 NTU	10.05 mg/L
Calibrated Readings: 21.8 °C		400/7.00/88.00	241.0 mV	1.41 mS/cm	10.0 NTU	9.43 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)
	0809	0.2	0.2	0.15	10.96	15.9	5.96	261.0	0.312	54.5	8.71
	0814	0.75	0.95	0.15	11.09	15.7	4.65	327.5	0.245	84.4	5.62
	0824	1.5	2.45	0.15	11.32	15.6	4.45	302.0	0.243	23.8	3.97
	0829	0.75	3.20	0.15	11.39	15.7	4.53	295.2	0.243	20.2	3.34
	0834	0.75	3.95	0.15	11.43	15.8	4.58	280.1	0.242	6.28	3.15
	0839	0.75	4.70	0.15	11.47	15.8	4.63	268.5	0.244	10.7	2.97
	0844	0.75	5.45	0.15	11.50	15.8	4.65	264.4	0.244	10.2	2.39
	0849	0.75	6.20	0.15	11.55	15.8	4.65	264.4	0.245	11.1	2.38
	0854	0.75	6.95	0.15	11.57	15.9	4.69	257.8	0.247	9.16	2.32
	0859	0.75	7.70	0.15	11.60	15.9	4.69	259.7	0.249	7.29	2.19
	0904	0.75	8.45	0.15	11.62	15.8	4.73	254.0	0.251	6.92	1.84
	0909	0.75	9.20	0.15	11.62	15.9	4.74	252.3	0.253	6.65	2.09
	0914	0.75	9.95	0.15	11.62	16.0	4.78	247.0	0.254	4.32	1.77
	0919	0.75	10.70	0.15	11.62	16.1	4.80	246.9	0.254	4.01	1.71
	0924	0.75	11.45	0.15	11.63	16.2	4.80	247.8	0.255	3.25	1.76

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

NOTES: 0915 - All stable except DO. Continue purge.

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



### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R Hilliard / AECOM			SAMPLER(S) SIGNATURES: <i>[Signature]</i>			SAMPLING INITIATED AT: 0927	SAMPLING ENDED AT: 0930
PUMP OR TUBING DEPTH IN WELL (feet): 14			SAMPLE PUMP FLOW RATE (L per minute): 0.1			TUBING MATERIAL CODE: PE / PTFE	
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N FILTER SIZE: _____ µm			DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED			
MW-2	2	10-L	CG	HCl		8260	RFPF
REMARKS:							
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify) SAMPLING / PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)							

SOLUBILITY OF OXYGEN IN WATER					
at normal atmospheric conditions <sup>1</sup>					
Temperature	O2 Solubility	Temperature	O2 Solubility	Temperature	O2 Solubility
°C	mg/L	°C	mg/L	°C	mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

## 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: 3/30/17	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 8.5 feet to 18.5 feet	STATIC DEPTH TO WATER (feet): 11.42	PURGE PUMP TYPE OR BAILER: PERISTALTIC
<b>WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY</b> 1 WELL VOLUME = ( 18.5 feet - 11.42 feet ) X liters/foot ~ liters			
<b>EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME</b> 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: 1305	PURGING ENDED AT:
WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):	TOTAL VOLUME PURGED (liters):
YSI - 556 LaMotte Turbidimeter			Same as MW-37582 u u
<b>CALIBRATION DETAILS:</b> Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) <input type="checkbox"/> Previously Calibrated			
Pre-calibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

### 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)
	1310	0.5	0.5	0.150	11.49	17.1	4.24	342.0	730	9.63	7.34
	1315	1.0	1.0	0.150	11.51	18.3	4.20	362.9	755	6.73	7.22
	1320	1.8	1.8	0.150	11.53	18.0	4.17	375.2	771	7.22	7.13
	1325	2.5	2.5	0.150	11.52	19.3	4.15	385.4	785	7.11	7.00
	1330	3.1	3.1	0.150	11.51	18.7	4.15	388.6	806	6.99	6.98

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; 1" = 0.1544

NOTES:  
mw-3 sampled @ @1335

**STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)**

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

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Sara Meissner</i>		SAMPLER(S) SIGNATURES: <i>[Signature]</i>		SAMPLING INITIATED AT: <i>1330</i>	SAMPLING ENDED AT: <i>1335</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>15'</i>		SAMPLE PUMP FLOW RATE (L per minute): <i>0.150</i>		TUBING MATERIAL CODE:		
FIELD DECONTAMINATION: (Y) N		FIELD-FILTERED: Y (N) FILTER SIZE: _____ µm Filtration Equipment Type:		DUPLICATE: Y (N)		
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
<i>MW-3</i>	<i>2</i>	<i>40ml</i>	<i>CG</i>	<i>HCL</i>	<i>VOL 8260</i>	<i>RFPP</i>
REMARKS:						
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)						
SAMPLING / PURGING: APP = After Peristaltic Pump; B = Bailer; ESP = Electric Submersible Pump; PP = Peristaltic Pump;						
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)						

SOLUBILITY OF OXYGEN IN WATER					
at normal atmospheric conditions <sup>1</sup>					
Temperature	O2 Solubility	Temperature	O2 Solubility	Temperature	O2 Solubility
°C	mg/L	°C	mg/L	°C	mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.



# 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: 3/29/17

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 5 feet to 18 feet	STATIC DEPTH TO WATER (feet): 5.81	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 = (17.4 feet - 5.81 feet) X 0.65 liters/foot = 7.57 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: 16:05	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):			
WATER QUALITY INSTRUMENT(S): YSI - 556 LaMotte Turbidimeter		SERIAL NO(S): Same as MW-245BR					
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input type="checkbox"/> 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)
	16:10	1.0	1.0	0.180	6.08	19.9	3.77	47.1	2781	48.3	0.43
	16:15	2.0	2.0	0.180	6.18	19.9	3.74	96.9	2669	46.6	0.31
	16:20	3.0	3.1	0.180	6.25	19.7	3.75	159.1	2543	26.5	0.23
	16:25	4.2	4.2	0.180	6.23	21.4	3.67	221.5	2630	23.8	0.60
	16:30	5.5	5.5	0.180	6.22	19.5	3.76	259.4	2462	22.0	0.21
	16:35	6.8	6.8	0.180	6.35	19.5	3.76	285.1	2348	14.7	0.18
	16:40	7.8	7.8	0.180	6.38	19.4	3.76	267.0	2319	11.9	0.17
	16:45	9.2	9.2	0.180	6.42	19.4	3.79	262.7	2385	9.19	0.16
	16:50	10.2	10.2	0.180	6.45	19.2	3.78	263.5	2370	8.21	0.16
	16:55	11.5	11.5	0.180	6.48	19.4	3.79	264.4	2350	7.84	0.16

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; 1" = 0.1544

### NOTES:

\*MS/MSD also taken @ well.  
MW-5  
mw-5  
mw-5  
MS } sample time 1700  
MSD }

### 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%

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Sara Meissner</i>		SAMPLER(S) SIGNATURES: <i>[Signature]</i>		SAMPLING INITIATED AT: <i>1655</i>	SAMPLING ENDED AT: <i>1700</i>	
PUMP OR TUBING DEPTH IN WELL (feet):		SAMPLE PUMP FLOW RATE (L per minute):		TUBING MATERIAL CODE: <i>lot 2104874</i>		
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N Filtration Equipment Type: _____		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N Filtration Equipment Type: _____		DUPLICATE: Y N		
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
<i>MW-5</i>	<i>2</i>	<i>40 mL</i>	<i>CG</i>	<i>HCl</i>	<i>8260</i>	<i>PP</i>
<i>MW-5</i>	<i>1</i>	<i>250 mL</i>	<i>O</i>	<i>HNO<sub>3</sub></i>	<i>6010</i>	<i>PP</i>
<i>MW-5-MIS</i>	<i>2</i>	<i>40 mL</i>	<i>CG</i>	<i>HCl</i>	<i>8260</i>	<i>PP</i>
<i>MW-5-MF</i>	<i>1</i>	<i>250 mL</i>	<i>O</i>	<i>HNO<sub>3</sub></i>	<i>6010</i>	<i>PP</i>
<i>MW-5-MD</i>	<i>2</i>	<i>40 mL</i>	<i>CG</i>	<i>HCl</i>	<i>8260</i>	<i>PP</i>
<i>MW-5-MD</i>	<i>1</i>	<i>250 mL</i>	<i>O</i>	<i>HNO<sub>3</sub></i>	<i>6010</i>	<i>PP</i>
REMARKS:						
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify) SAMPLING / PURGING APP = After Peristaltic Pump; B = Bailor; ESP = Electric Submersible Pump; PP = Peristaltic Pump; EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)						

### SOLUBILITY OF OXYGEN IN WATER at normal atmospheric conditions<sup>1</sup>

Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

# LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: MW-SD	SAMPLE ID: MW-SD
DATE: 3/29/17	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 26 feet to 36 feet	STATIC DEPTH TO WATER (feet): 6.91	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 = ( 34.7 feet - 6.91 feet ) X 0.65 liters/foot = 20.5 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): 29'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1500	PURGING ENDED AT:
WATER QUALITY INSTRUMENT(S):	YSI - 556 LaMotte Turbidimeter	SERIAL NO(S):	TOTAL VOLUME PURGED (liters): Same as MW-2450 <sup>R</sup>
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <span style="float: right;">Previously Calibrated</span>			
Pre-calibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

### 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. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1505	1.0	1.0	0.175	7.01	20.0	3.45	48.8	9126	41.1	1.11
	1510	2.0	2.0	0.175	7.06	20.7	3.47	35.7	8987	35.5	1.11
	1515	3.1	3.1	0.175	7.12	20.4	3.46	29.9	8536	11.5	1.20
	1520	4.9	4.9	0.175	7.19	20.4	3.43	16.1	8278	7.02	1.20
	1525	6.1	6.1	0.175	7.20	20.4	3.43	11.4	8105	2.69	1.19
	1530	7.0	7.0	0.175	7.21	20.6	3.42	8.4	8098	2.07	1.17

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; 1" = 0.1544

NOTES:  
 MW-SD sampled @ 1535  
 dup-1 taken @ 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 10% of saturation (whichever is greater)	Specific Conductance: ± 5%
pH: ± 0.1 units		

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: 		SAMPLER(S) SIGNATURES: SARA MEISSNER		SAMPLING INITIATED AT: 1530	SAMPLING ENDED AT: 1535		
PUMP OR TUBING DEPTH IN WELL (feet): 29'		SAMPLE PUMP FLOW RATE (L per minute): 0.175		TUBING MATERIAL CODE: WP 2104874			
FIELD DECONTAMINATION: (Y) N		FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: _____ $\mu$ m			
				DUPLICATE: (Y) N Dup-1			
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED			
MW-SD	2	40 ml	CG	HCL		VOCs 8260	RFPP
MW-SD	1	250 ml	O - plastic	Nitric Acid		Pb Total 6010	RFPP
Dup-1	2	40 ml	CG	HCL		VOCs 8260	RFPP
Dup-1	1	250 ml	O - plastic	Nitric Acid		Total Pb 6010	RFPP
REMARKS:							
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)							
SAMPLING / PURGING APP = After Peristaltic Pump; B = Bailer; ESP = Electric Submersible Pump; PP = Peristaltic Pump;							
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)							

SOLUBILITY OF OXYGEN IN WATER at normal atmospheric conditions <sup>1</sup>					
Temperature $^{\circ}$ C	O2 Solubility mg/L	Temperature $^{\circ}$ C	O2 Solubility mg/L	Temperature $^{\circ}$ C	O2 Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

# LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA		SITE LOCATION: 1835 Industrial Blvd Conyers, GA	
WELL NO: mxl-8 SBR	SAMPLE ID: mxl-8 SBR	DATE: 3/30/17	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 30 feet to 40 feet	STATIC DEPTH TO WATER (feet): 13.95	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 = (40.55 feet - 13.95 feet) X 0.65 liters/foot = 17.3 liters			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME			
1 EQUIPMENT VOLUME = (45 feet X 0.005 liters/foot) + 0.1 liters = 0.23 liters			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35	PURGING INITIATED AT: 1224	PURGING ENDED AT: 1320
WATER QUALITY INSTRUMENT(S):		TOTAL VOLUME PURGED (liters): 6.4	
YSI - 556		SERIAL NO(S):	
LaMotte Turbidimeter Model 2100Q			
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input checked="" type="checkbox"/> 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)
	1224	0.25	0.25	0.1	13.99	18.0	4.28	375.2	2.09	320	4.46
	1239	1.65	1.9	0.11	14.03	18.3	4.18	391.1	2.17	45.0	0.51
	1249	1.1	3.0	0.11	14.04	18.2	4.18	389.3	2.17	32.3	0.40
	1259	1.1	4.1	0.11	14.05	18.7	4.17	385.3	2.18	23.9	0.38
	1304	0.55	4.65	0.11	14.05	18.2	4.17	381.1	2.16	11.0	0.34
	1309	0.55	5.20	0.11	14.05	18.5	4.18	375.2	2.17	8.66	0.32
	1314	0.55	5.75	0.11	14.05	18.8	4.19	368.7	2.19	8.18	0.30
	1319	0.55	6.30	0.11	14.05	18.7	4.18	366.2	2.19	6.22	0.31

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:

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

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

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>R. Hillier / AECOM</i>			SAMPLER(S) SIGNATURES: <i>R. Hillier</i>			SAMPLING INITIATED AT: <i>1322</i>		SAMPLING ENDED AT: <i>1325</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>35</i>			SAMPLE PUMP FLOW RATE (L per minute): <i>0.1</i>			TUBING MATERIAL CODE: <i>PE / PTFE</i>			
FIELD DECONTAMINATION: <input checked="" type="radio"/> Y <input type="radio"/> N			FIELD-FILTERED: Y <input type="radio"/> N <input checked="" type="radio"/> N Filtration Equipment Type: _____			FILTER SIZE: _____ µm			
						DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/> N			
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE		
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED					
<i>MWL-85BR</i>	<i>2</i>	<i>40L</i>	<i>CG</i>	<i>HCl</i>		<i>8260</i>	<i>RFP</i>		
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)									
SAMPLING / PURGING APP = After Peristaltic Pump; B = Bailer; ESP = Electric Submersible Pump; PP = Peristaltic Pump;									
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)									

SOLUBILITY OF OXYGEN IN WATER					
at normal atmospheric conditions <sup>1</sup>					
Temperature	O2 Solubility	Temperature	O2 Solubility	Temperature	O2 Solubility
°C	mg/L	°C	mg/L	°C	mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.



# LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: MW-11	SAMPLE ID: MW-11
DATE: 3/30/17	

## PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 6' feet to 21 feet	STATIC DEPTH TO WATER (feet): 16.78	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 = ( 21 feet - 16.78 feet ) X 0.65 liters/foot = 2.74 liters x 3 = 8.3			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME 1 EQUIPMENT VOLUME = ( 25 feet X 0.0006 liters/foot ) + 0.3 liters = 0.315 liters			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20	PURGING INITIATED AT: 11:55	PURGING ENDED AT: 12:02
WATER QUALITY INSTRUMENT(S): YSI - 566 Pro Plus		SERIAL NO(S): 135102028	
LaMotte Turbidimeter #ACH 2100Q		16100053545	
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input checked="" type="checkbox"/> Previously Calibrated			
Precalibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

PW 3/30/17

## 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)
1	11:20	0.5	0.5	0.100	17.04	14.7	5.23	56.3	73.4	23.1	2.72
	11:25	0.75	2.0	0.150	17.10	14.7	5.17	56.0	73.6	15.4	2.74
	11:30	0.75	3.0	0.150	17.14	14.7	5.13	54.0	72.9	12.3	2.60
	11:35	0.5	4.0	0.100	17.15	14.9	5.17	51.2	72.1	11.2	2.31
	11:40	0.5	4.5	0.100	17.15	14.8	5.16	50.0	71.3	10.3	2.32
	11:45	0.5	5.0	0.100	17.16	14.7	5.15	48.0	70.9	9.5	2.16
	11:50	0.5	5.5	0.100	17.17	14.6	5.15	45.9	69.7	9.45	1.98
	11:55	0.5	6.0	0.100	17.19	14.6	5.16	46.1	69.4	8.48	2.08
	12:00	0.5	7.0	0.100	17.21	14.7	5.15	45.9	69.6	7.58	1.98

MW-11  
 3/30/17

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; 1" = 0.1544

NOTES:  
 Sample time 12:05  
 VOC's only

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%

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Phillip Van Winkle</i>			SAMPLER(S) SIGNATURES: <i>[Signature]</i>			SAMPLING INITIATED AT: <i>1202</i>		SAMPLING ENDED AT: <i>1205</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>20</i>			SAMPLE PUMP FLOW RATE (L per minute): <i>0.100</i>			TUBING MATERIAL CODE: <i>T</i>			
FIELD DECONTAMINATION: <input checked="" type="radio"/> Y <input type="radio"/> N			FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/> FILTER SIZE: _____ μm			DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>			
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE		
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED					
<i>MW-11</i>	<i>3</i>	<i>40ml</i>	<i>CG</i>	<i>1:1 HCl</i>		<i>8260B</i>	<i>RFPP</i>		
REMARKS:									
MATERIAL CODES: <b>AG</b> = Amber Glass; <b>CG</b> = Clear Glass; <b>PE</b> = Polyethylene; <b>PP</b> = Polypropylene; <b>S</b> = Silicon; <b>T</b> = Teflon; <b>O</b> = Other (Specify)									
SAMPLING / PURGING <b>APP</b> = After Peristaltic Pump; <b>B</b> = Bailer; <b>ESP</b> = Electric Submersible Pump; <b>PP</b> = Peristaltic Pump;									
EQUIPMENT CODES: <b>RFPP</b> = Reverse Flow Peristaltic Pump; <b>SM</b> = Straw Method (Tubing Gravity Drain); <b>VT</b> = Vacuum Trap; <b>O</b> = Other (Specify)									

SOLUBILITY OF OXYGEN IN WATER					
at normal atmospheric conditions <sup>1</sup>					
Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.



# LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: MW-11 SBR	SAMPLE ID: MW-11 SBR
DATE: 3/30/17	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 45 feet to 55 feet	STATIC DEPTH TO WATER (feet): 16.61	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 = ( 57 feet - 16.61 feet ) X 0.65 liters/foot = 2625 liters 78.76 l = 3 gal

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME  
 1 EQUIPMENT VOLUME = ( 60 feet X 0.0006 liters/foot ) + 0.3 liters = 0.336 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 50	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1050	TOTAL VOLUME PURGED (liters): 6.0
---	---	----------------------------	------------------------	-----------------------------------

WATER QUALITY INSTRUMENT(S): YSI - 556 Pro Plus Mette Turbidimeter HACH 21000	SERIAL NO(S): 13J102028 16110C053545
---	--

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)	<input checked="" type="checkbox"/> Previously Calibrated
Pre-calibration 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)
	1025	1.75	1.75	0.225	18.18	14.9	5.52	46.5	222.9	6.73	0.56
	1030	0.55	2.30	0.110	18.41	15.3	5.40	38.8	224.3	3.50	0.41
	1035	0.55	3.25		18.41	15.4	5.37	31.2	224.6	2.70	0.44
	1040	0.55	4.00		18.49	15.4	5.37	26.7	224.2	3.21	0.40
	1045	0.55	5.00		18.53	15.4	5.36	19.7	224.2	1.38	0.32
	1050	0.55	5.50		18.56	15.6	5.35	15.1	224.5	1.85	0.31
<div style="font-size: 2em; opacity: 0.5; transform: rotate(-15deg); pointer-events: none;">                 [Signature] 3/30/17             </div>											

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

**NOTES:**

VOC's only  
 sample time 1050

**STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)**

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

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Phillip Van Winkle</i>		SAMPLER(S) SIGNATURES: <i>Phillip Van Winkle</i>		SAMPLING INITIATED AT: <i>1050</i>	SAMPLING ENDED AT: <i>1055</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>50'</i>		SAMPLE PUMP FLOW RATE (L per minute): <i>0.110</i>		TUBING MATERIAL CODE: <i>T</i>		
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N    FILTER SIZE: _____ μm		DUPLICATE: Y <input checked="" type="checkbox"/> N		
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
<i>MW-1152R</i>	<i>3</i>	<i>40ml</i>	<i>CG</i>	<i>1:1 HCl</i>	<i>8260B</i>	<i>RFP</i>
REMARKS:						
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)						
SAMPLING / PURGING: APP = After Peristaltic Pump; B = Bailor; ESP = Electric Submersible Pump; PP = Peristaltic Pump;						
EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)						

Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

## LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: MW-16	SAMPLE ID: MW-16
DATE: 3/29/17	

### PURGING DATA

WELL DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 3 feet to 13 feet	STATIC DEPTH TO WATER (feet): 7.85	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 = (13.49 feet - 7.85 feet) X 0.45 liters/foot = 2.7 liters			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME			
1 EQUIPMENT VOLUME = (18 feet X 0.005 liters/foot) + 0.1 liters = 0.2 liters			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1123	PURGING ENDED AT: 1239
WATER QUALITY INSTRUMENT(S): YSI - 556 LaMotte Turbidimeter Hoch 2100		SERIAL NO(S):	
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input checked="" type="checkbox"/> Previously Calibrated			
Pre-calibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

### 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)
	1124	0.25	0.25	0.25	7.96	15.6	4.48	357.6	0.115	83.4	7.70
	1129	1.25	1.5	0.25	9.20	14.8	4.65	349.0	0.084	98.8	5.17
	1134	1.25	2.75	0.25	8.37	14.8	4.53	337.2	0.076	47.0	4.47
	1139	1.25	4.00	0.25	8.48	14.7	4.57	317.1	0.070	13.9	4.68
	1144	1.25	5.25	0.25	8.54	14.8	4.60	294.8	0.069	11.7	4.67
	1149	1.25	6.5	0.25	8.58	14.8	4.66	268.0	0.070	7.37	4.77
	1154	1.25	7.75	0.25	8.61	14.8	4.68	246.7	0.071	6.23	5.19
	1159	1.25	9.00	0.25	8.63	15.1	4.70	227.6	0.072	5.81	5.38
	1204	1.25	10.25	0.25	8.64	14.8	4.72	211.8	0.071	4.85	5.18
	1209	1.25	11.50	0.25	8.67	14.8	4.74	199.5	0.071	5.80	5.27
	1214	1.25	12.75	0.25	8.66	15.1	4.76	184.7	0.072	5.37	5.32
	1219	1.25	14.00	0.25	8.69	14.8	4.76	175.7	0.072	4.46	5.62
	1224	1.25	15.25	0.25	8.70	14.9	4.76	171.8	0.072	3.27	5.56
	1229	1.25	16.50	0.25	8.70	15.0	4.81	164.2	0.071	6.24	5.38
	1234	1.25	17.75	0.25	8.70	15.1	4.81	158.9	0.071	8.88	5.31
	1239	1.25	19.00	0.25	8.70	15.0	4.86	149.0	0.071	3.39	5.42

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

NOTES:  
 \* Due to long time between sampling, proceed with volume purge at this well, Target purge vol is 5 WVs.

#### STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

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

### SAMPLING DATA

1243 FH  
1246 FH

SAMPLED BY (PRINT) / AFFILIATION: <i>R. Hilliard / AELom</i>		SAMPLER(S) SIGNATURES: <i>[Signature]</i>		SAMPLING INITIATED AT: 1443	SAMPLING ENDED AT: <del>1446</del>
PUMP OR TUBING DEPTH IN WELL (feet): <i>10'</i>		SAMPLE PUMP FLOW RATE (L per minute): <i>0.1</i>		TUBING MATERIAL CODE: <i>PE/PTFE</i>	
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> N		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> FILTER SIZE: _____ $\mu$ m		DUPLICATE: Y <input checked="" type="checkbox"/> N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED			
<i>RL-16</i>	<i>2</i>	<i>40 mL</i>	<i>CG</i>	<i>HCl</i>		<i>8260</i>	<i>RFPP</i>

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)

SAMPLING / PURGING APP = After Peristaltic Pump; B = Bailor; ESP = Electric Submersible Pump; PP = Peristaltic Pump;

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.



## LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: <b>MX-17</b>	SAMPLE ID: <b>MX-17</b>
DATE: <b>3/29/17</b>	

### PURGING DATA

WELL DIAMETER (inches): <b>2"</b>	WELL SCREEN INTERVAL DEPTH: <b>21</b> feet to <b>31</b> feet	STATIC DEPTH TO WATER (feet): <b>5.09</b>	PURGE PUMP TYPE OR BAILER: <b>Bladder PERISTALTIC</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 1 WELL VOLUME = ( <b>31.18</b> feet - <b>5.09</b> feet) X <b>0.65</b> liters/foot = <b>17.0</b> liters			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME 1 EQUIPMENT VOLUME = ( <b>35</b> feet X <b>0.005</b> liters/foot) + <b>0.2</b> liters = <b>0.4</b> liters			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>26'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>30'</b>	PURGING INITIATED AT: <b>1510</b>	PURGING ENDED AT: <b>1746</b>
WATER QUALITY INSTRUMENT(S): <b>YSI - 556</b> <b>Hach 21000</b>		SERIAL NO(S):	
Calibration Standards Used: <b>AutoCAL (4.00 SU, 4.49 ms/cm, 0.0 NTU)</b>		<input checked="" type="checkbox"/> Previously Calibrated	
Precalibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

### 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)
102/25	1541	0.4	0.4	0.4	5.03	21.6	6.69	214.7	0.303	1.53	3.84
101/20	1546	0.75	1.15	0.15	5.96	22.5	6.94	176.6	0.300	72.0	1.20
101/20	1551	0.75	1.9	0.15	6.54	22.8	7.04	146.4	0.300	71.2	1.07
101/20	1556	0.75	2.65	0.15	7.08	22.6	7.08	132.3	0.300	67.9	1.01
101/20	1601	0.75	3.40	0.15	7.54	22.3	7.10	127.2	0.297	57.9	0.96
99/20	1606	0.5	3.90	0.10	7.92	23.1	7.11	122.7	0.302	55.0	0.94
99/20	1611	0.5	4.40	0.10	8.27	22.5	7.12	120.7	0.297	46.9	0.97
99/20	1616	0.5	4.90	0.10	8.61	22.8	7.11	118.9	0.296	44.4	0.95
99/20	1621	0.5	5.40	0.10	8.95	23.0	7.12	115.2	0.295	38.9	0.95
99/20	1626	0.5	5.90	0.10	9.32	23.3	7.13	111.5	0.295	38.9	0.94
99/20	1631	0.5	6.40	0.10	9.73	22.9	7.12	110.1	0.299	33.3	0.95
99/20	1636	0.5	6.90	0.10	10.34	22.5	7.12	108.9	0.286	32.0	0.95
99/20	1641	0.5	7.40	0.10	10.42	22.5	7.12	107.4	0.281	31.2	0.97
99/20	1646	0.5	7.90	0.10	10.74	22.5	7.13	106.6	0.280	27.3	0.95
99/20	1651	0.5	8.40	0.10	11.11	22.3	7.12	107.3	0.276	24.1	0.95
99/20	1656	0.5	8.90	0.10	11.46	22.2	7.12	109.1	0.273	21.1	0.99
99/20	1701	0.5	9.40	0.10	12.08	22.1	7.12	120.3	0.267	20.9	0.99
134/30	1711	3.8	14.20	0.55	14.97	20.4	7.08	115.3	0.232	15.3	1.11
134/30	1721	5.5	18.70	0.55	19.29	20.3	7.16	111.3	0.280	29.2	0.78
134/30	1731	5.5	24.20	0.55	23.78	21.3	7.18	108.2	0.295	127	0.70

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; 1/8" = 0.0097; 3/16" = 0.0217; 1/4" = 0.0386; 5/16" = 0.0603; 3/8" = 0.0869; 1/2" = 0.1182; 3/4" = 0.1544

**NOTES:**

1703 - Drawdown is significant even at 0.1 LPM: Switched to volume purge. Raise pump to 15'  
 1711 - Pump to 20'.  
 1721 - Pump to 25'.  
 1732 - DTW - 24.3. Lower pump to bottom of 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%

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:		SAMPLER(S) SIGNATURES:		SAMPLING INITIATED AT:		SAMPLING ENDED AT:		
PUMP OR TUBING DEPTH IN WELL (feet):		SAMPLE PUMP FLOW RATE (L per minute):		TUBING MATERIAL CODE:				
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: _____ μm		DUPLICATE: Y N		
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED				
PK1-17								
	<i>See page 4</i>							
REMARKS:								
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)								
SAMPLING / PURGING APP = After Peristaltic Pump; B = Bailor; ESP = Electric Submersible Pump; PP = Peristaltic Pump;								
EQUIPMENT CODES: RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)								

SOLUBILITY OF OXYGEN IN WATER at normal atmospheric conditions <sup>1</sup>					
Temperature	O2 Solubility	Temperature	O2 Solubility	Temperature	O2 Solubility
°C	mg/L	°C	mg/L	°C	mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

*Ps 2 of 4*

# 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: 3/29/17	

## PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 21 feet to 31 feet	STATIC DEPTH TO WATER (feet): 5.09	PURGE PUMP TYPE OR BAILER: <u>Bladder PERISTALTIC</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY			
1 WELL VOLUME = (31.18 feet - 5.09 feet) X 0.65 liters/foot = 17.0 liters			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME			
1 EQUIPMENT VOLUME = (35 feet X 0.005 liters/foot) + 0.2* liters = 0.4 liters * 0.1 L flow cell			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30'	PURGING INITIATED AT: 1540	PURGING ENDED AT: 1746
WATER QUALITY INSTRUMENT(S): YSI - 556		SERIAL NO(S):	
LaMotte Turbidimeter Hoch 21000R			
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) <input checked="" type="checkbox"/> Previously Calibrated			
Pre-calibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

## 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)
134/30	1741	5.5	29.70	0.55	28.20	21.3	7.20	106.6	0.307	72.1	0.51
134/30	1746	2.0	31.70	0.4	—	21.4	7.21	104.5	0.313	45.6	0.54

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

NOTES:  
 1746 - Pump discharge minimal, water level below top of pump. Well dry/collect final readings and end purge. Allow sufficient water to recharge to clear equipment volume (0.4L) and fill bottles (0.1L). w 0.5' of water added.

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

Drawdown: ±0.02'	Turbidity: <10 NTU	ORP: N/A
Temp.: N/A	Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)	Specific Conductance: ±5% 29.85
pH: ±0.1 units		

Top of p-p  
Begin sample at DTW = 29'





# 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: 3/28/17	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 8 feet to 17.2 feet	STATIC DEPTH TO WATER (feet): 6.90	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 = ( 17.2 feet - 6.90 feet ) X 0.08 liters/foot = 1.122 liters					
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME					
1 EQUIPMENT VOLUME = ( 19 feet X _____ liters/foot ) + _____ liters = _____ liters					
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1405	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):	
WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):			
		YSI <del>850</del> DSS 16M101959			
		LaMotte Turbidimeter 12080C019573			
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) <input checked="" type="checkbox"/> Previously Calibrated					
Pre-calibration Readings:	°C	SU	mV	mS/cm	NTU
Calibrated Readings:	°C	SU	mV	mS/cm	NTU

### 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)
20ml/min	14:10	2.0	2.0	0.200	6.91	21.0	3.94	221.5	0.985	29.4	0.71
	14:15	2.5	2.0	0.200	6.90	21.1	3.86	283.4	1.123	30.5	0.68
	14:20	3.1	3.1	0.200	6.90	21.2	3.83	330.1	1.301	28.8	0.68
	14:25	4.0	4.0	0.200	6.90	20.9	3.81	349.9	1.440	28.7	0.62
	14:30	5.2	5.2	0.200	6.90	21.2	3.79	367.2	1.542	19.3	0.63
	14:35	6.3	6.3	0.200	6.92	21.2	3.77	376.7	1.608	12.6	0.57
	14:40	7.1	7.1	0.200	6.93	21.2	3.76	384.6	1.663	8.51	0.51
	14:45	8.4	8.4	0.200	6.92	21.4	3.75	392.2	1.771	8.18	0.48
	14:50	9.5	9.5	0.200	6.92	21.2	3.74	398.6	1.779	8.71	0.41

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; ⅝" = 0.0217; ¾" = 0.0386; 1" = 0.0603; 1 ¼" = 0.0869; 1 ½" = 0.1182; 2" = 0.1544

NOTES:

Tubing - 3/16 ID x 1/4 OD Lot # 2154548

MW-19 sample time - 1455

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

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

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Sara Meissner IACCOM</i>		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: <i>1455</i>	SAMPLING ENDED AT: <i>1300</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>155'</i>		SAMPLE PUMP FLOW RATE (L per minute): <i>0.200/min</i>		TUBING MATERIAL CODE: <i>lot# 2154548</i>		
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		FIELD-FILTERED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Filtration Equipment Type: _____		FILTER SIZE: _____ $\mu\text{m}$		
				DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
<i>MW-19</i>	<i>3</i>	<i>40 mL</i>	<i>CG</i>	<i>HCl</i>	<i>8260-VOCs</i>	<i>RFPP</i>
REMARKS:						
MATERIAL CODES: <b>AG</b> = Amber Glass; <b>CG</b> = Clear Glass; <b>PE</b> = Polyethylene; <b>PP</b> = Polypropylene; <b>S</b> = Silicon; <b>T</b> = Teflon; <b>O</b> = Other (Specify)						
SAMPLING / PURGING EQUIPMENT CODES: <b>APP</b> = After Peristaltic Pump; <b>B</b> = Bailer; <b>ESP</b> = Electric Submersible Pump; <b>PP</b> = Peristaltic Pump; <b>RFPP</b> = Reverse Flow Peristaltic Pump; <b>SM</b> = Straw Method (Tubing Gravity Drain); <b>VT</b> = Vacuum Trap; <b>O</b> = Other (Specify)						

SOLUBILITY OF OXYGEN IN WATER					
at normal atmospheric conditions <sup>1</sup>					
Temperature	O2 Solubility	Temperature	O2 Solubility	Temperature	O2 Solubility
$^{\circ}\text{C}$	mg/L	$^{\circ}\text{C}$	mg/L	$^{\circ}\text{C}$	mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

# LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: MWL-20	SAMPLE ID: MWL-20
DATE: 3/29/17	

### PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 5.90	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 = ( 30.35 feet - 5.90 feet ) X 0.65 liters/foot = 15.9 liters			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME 1 EQUIPMENT VOLUME = ( 35 feet X 0.005 liters/foot ) + 0.1 liters = 0.3 liters			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1332	PURGING ENDED AT: 1504
WATER QUALITY INSTRUMENT(S): YSI - 556		SERIAL NO(S):	
LaMotte Turbidimeter Model 2100 Q			
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input checked="" type="checkbox"/> Previously Calibrated			
Pre-calibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

### 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)
	1333	0.3	0.3	0.2	6.11	21.5	3.85	345.9	3.02	32.2	2.28
	1338	0.75	1	0.15	6.48	21.4	3.83	347.6	3.15	23.1	0.63
	1343	0.75	1.75	0.15	6.68	21.5	3.85	347.1	3.17	24.6	0.38
	1348	0.75	2.50	0.15	6.82	21.4	3.85	346.8	3.17	22.2	0.36
	1353	0.75	3.25	0.15	6.85	21.4	3.85	347.4	3.15	13.1	0.30
	1358	0.63	3.88	0.125	6.86	21.3	3.86	348.7	3.12	11.3	0.31
	1403	0.63	4.51	0.125	6.88	21.1	3.85	351.6	2.97	6.45	0.32
	1408	0.63	5.14	0.125	6.90	21.2	3.85	355.1	2.82	6.16	0.33
	1413	0.63	5.77	0.125	6.92	21.3	3.84	360.0	2.67	4.59	0.30
	1418	0.63	6.40	0.125	6.93	21.2	3.85	361.6	2.61	4.72	0.33
	1423	0.5	6.9	0.1	6.82	21.3	3.86	362.8	2.48	3.85	0.32
	1428	0.5	7.4	0.1	6.82	21.3	3.89	360.6	2.32	3.42	0.36
	1433	0.5	7.9	0.1	6.82	21.5	3.91	357.7	2.14	2.27	0.39
	1438	0.5	8.4	0.1	6.82	21.5	3.95	356.1	1.88	1.74	0.91
	1443	0.5	8.9	0.1	6.84	21.8	3.99	351.5	1.73	1.57	0.54
	1448	0.5	9.4	0.1	6.85	21.4	4.04	349.7	1.46	1.13	0.57
	1453	0.5	9.9	0.1	6.85	21.4	4.04	348.9	1.41	1.16	0.55
	1458	0.5	10.4	0.1	6.85	21.3	4.04	350.8	1.35	1.22	0.53
	1503	0.5	10.9	0.1	6.85	21.6	4.03	355.0	1.39	1.53	0.56

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 1" = 0.1544

NOTES:  
 1419 - Decrease flow rate to minimum (feet/min).

#### STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

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

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard / AECOM			SAMPLER(S) SIGNATURES: <i>[Signature]</i>		SAMPLING INITIATED AT: 1506		SAMPLING ENDED AT: 1514		
PUMP OR TUBING DEPTH IN WELL (feet): 24			SAMPLE PUMP FLOW RATE (L per minute): 0.1			TUBING MATERIAL CODE: PE / PTFE			
FIELD DECONTAMINATION: Y (circled) N			FIELD-FILTERED: Y (circled) N		FILTER SIZE: ___ µm		DUPLICATE: Y (circled) N		
Filtration Equipment Type: _____									
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED					
MW-20	1	250 mL	PE	HNO <sub>3</sub>			Pb	APP	
MW-20	2	40 mL	CG	HCl			8260	RFPP	
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)									
SAMPLING / PURGING APP = After Peristaltic Pump; B = Bailer; ESP = Electric Submersible Pump; PP = Peristaltic Pump;									
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)									

Temperature °C	O <sub>2</sub> Solubility mg/L	Temperature °C	O <sub>2</sub> Solubility mg/L	Temperature °C	O <sub>2</sub> Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

# 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: 3/29/17	

## PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 4.84	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 = (23.15 feet - 4.84 feet) X 0.65 liters/foot = 12.51 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): 18'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0925	PURGING ENDED AT:
WATER QUALITY INSTRUMENT(S): YSI - 556 Pro LaMotte Turbidimeter		SERIAL NO(S):	135102023 166110C053545
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input type="checkbox"/> Previously Calibrated			
Pre-calibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

## FIELD DATA TABLE

→ See field book notes

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. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0930	0.1	0.1	0.200	4.91	18.1	4.02	173	292.4	4.50	4.72
	0935	2.0	2.0	0.200	4.95	18.8	3.82	143.7	285.6	3.28	5.27
	0940	3.0	3.0	0.200	4.96	18.8	4.05	125.8	284.9	1.97	5.20
	0945	4.5	4.5	0.200	4.96	18.9	4.08	119.1	284.3	1.94	5.20
	0950	6.0	6.0	0.200	4.97	18.9	4.08	118.7	283.7	1.54	5.19

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; 1" = 0.1544

NOTES:  
 MW-24 SBR sampled @ 0955

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

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

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Sara Meissner</i>			SAMPLER(S) SIGNATURES: <i>[Signature]</i>			SAMPLING INITIATED AT: <i>0950</i>	SAMPLING ENDED AT: <i>0955</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>18'</i>			SAMPLE PUMP FLOW RATE (L per minute): <i>0.20 l/min</i>			TUBING MATERIAL CODE: <i>215484</i>	
FIELD DECONTAMINATION: (Y) <input checked="" type="checkbox"/> N			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N FILTER SIZE: _____ $\mu\text{m}$			DUPLICATE: Y <input checked="" type="checkbox"/> N	
Filtration Equipment Type: _____			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
SAMPLE ID	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		SAMPLING EQUIPMENT CODE	
<i>MW-24SBL</i>	<i>3</i>	<i>40ml</i>	<i>CB</i>	<i>HCL</i>		<i>VOCs 8260</i>	<i>RPPP</i>
REMARKS:							
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)							
SAMPLING / PURGING: APP = After Peristaltic Pump; B = Bailor; ESP = Electric Submersible Pump; PP = Peristaltic Pump;							
EQUIPMENT CODES: RPPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)							

#### SOLUBILITY OF OXYGEN IN WATER

at normal atmospheric conditions<sup>1</sup>

Temperature $^{\circ}\text{C}$	O2 Solubility mg/L	Temperature $^{\circ}\text{C}$	O2 Solubility mg/L	Temperature $^{\circ}\text{C}$	O2 Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

# LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: MW-275BR	SAMPLE ID: mw-275BR
DATE: 3/29/17	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 8 feet to 18 feet	STATIC DEPTH TO WATER (feet): 7.89	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 = (18 feet - 7.89 feet) X 0.65 liters/foot = 6.57 liters      19 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): 13ft	PURGING INITIATED AT: 1130	PURGING ENDED AT:
WATER QUALITY INSTRUMENT(S): YSI-556 LaMotte Turbidimeter		SERIAL NO(S):	TOTAL VOLUME PURGED (liters): Same as mw-245BE
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input type="checkbox"/> Previously Calibrated			
Pre-calibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

### 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. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1135	1.75	1.75	0.275	8.45	13.6	5.95	52.6	99.2	6.16	4.14
	1140	3.5	3.5	0.275	8.55	13.5	5.98	55.9	85.5	2.47	4.63
	1145	5.5	5.5	0.275	8.55	13.6	5.99	56.3	67.7	1.51	5.38
	1150	7.5	7.5	0.275	8.56	13.6	5.78	62.3	54.1	1.03	5.58
	1155	9.0	9.0	0.275	8.55	13.7	5.55	66.6	51.1	0.99	5.49
	1200	10.2	10.2	0.275	8.55	13.6	5.40	69.2	45.7	1.01	5.56
	1205	11.7	11.7	0.275	8.55	13.7	5.44	70.2	44.3	0.72	5.64
	1210	13.5	13.5	0.275	8.55	13.8	5.35	70.9	40.9	0.99	5.89
	1215	15.0	15.0	0.275	8.54	13.6	5.14	72.4	39.5	1.25	5.98
	1220	18.5	18.5	0.300	8.54	13.5	5.15	74.8	38.1	1.24	5.81
	1225	20.5	20.5	0.300	8.54	13.6	5.15	74.6	37.3	0.82	5.79

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; 1" = 0.1544

NOTES:  
 Well not sampled in 8 years, obtained 3 well volumes before sampling (18-19 liters)

STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

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







## 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: 3/29/17	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 21 feet to 31 feet	STATIC DEPTH TO WATER (feet): 6.54	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 = (31.93 feet - 6.54 feet) X 0.65 liters/foot = 16.5 liters			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME 1 EQUIPMENT VOLUME = (35 feet X 0.005 liters/foot) + 0.1 liters = 0.28 liters			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0920	PURGING ENDED AT: 1005 TOTAL VOLUME PURGED (liters): 5.5
WATER QUALITY INSTRUMENT(S): YSI - 556 LaMotte Turbidimeter Tech 2100Q	SERIAL NO(S):		15M100308 / 13A101219 15030C 039315
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU) <input type="checkbox"/> Previously Calibrated			
Precalibration Readings: 20.1 °C	4.00 / 1.01 / 1.00	234.1 mV	1.37 mS/cm
Calibrated Readings: 20.1 °C	4.00 / 1.00 / 1.00	240.0 mV	1.41 mS/cm

### 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)
	0922	0.3	0.3	0.15	6.80	20.6	7.73	375.1	1.40	1.14	6.24
	0927	0.7	1.0	0.15	6.83	20.5	3.50	473.5	1.52	0.68	3.54
	0932	0.10	1.6	0.12	6.85	20.8	3.57	484.0	1.55	0.61	3.15
	0937	0.4	2.2	0.12	6.85	21.2	3.53	486.0	1.57	0.44	3.10
	0942	0.6	2.8	0.12	6.86	21.3	3.54	486.4	1.59	0.29	2.85
	0947	0.6	3.4	0.12	6.86	21.2	3.56	487.5	1.59	0.25	2.82
	0952	0.6	4.0	0.12	6.88	21.3	3.56	482.1	1.60	0.43	2.80
	0957	0.6	4.6	0.12	6.88	21.2	3.54	480.7	1.60	0.53	2.77
	1002	0.6	5.2	0.12	6.88	21.4	3.56	477.0	1.60	0.30	2.76

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

#### NOTES:

**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%

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>R. Hilliard / AECOM</i>			SAMPLER(S) SIGNATURES: <i>R. Hilliard</i>			SAMPLING INITIATED AT: <i>1006</i>		SAMPLING ENDED AT: <i>1012</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>25</i>			SAMPLE PUMP FLOW RATE (L per minute): <i>0.1</i>			TUBING MATERIAL CODE: <i>PE/PTFE</i>			
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			FIELD-FILTERED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Filtration Equipment Type: _____			FILTER SIZE: _____ μm DUPLICATE: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE		
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED					
<i>MH-295R</i>	<i>3</i>	<i>40-L</i>	<i>CG</i>	<i>HCl</i>		<i>8260</i>	<i>RFAP</i>		
REMARKS:									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)									
SAMPLING / PURGING APP = After Peristaltic Pump; B = Bailer; ESP = Electric Submersible Pump; PP = Peristaltic Pump;									
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)									

### SOLUBILITY OF OXYGEN IN WATER at normal atmospheric conditions<sup>1</sup>

Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

## 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: 3/29/17	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 17 feet to 27 feet	STATIC DEPTH TO WATER (feet): 5.48	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 = ( 27 feet - 5.48 feet ) X 0.65 liters/foot = 15.98 liters			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME 1 EQUIPMENT VOLUME = ( 27 feet X 0.65 liters/foot ) + 0.15 liters = 17.55 liters			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1340	PURGING ENDED AT:
WATER QUALITY INSTRUMENT(S): YSI - 556 LaMotte Turbidimeter		SERIAL NO(S):	TOTAL VOLUME PURGED (liters): Same as MW-24 SBR
CALIBRATION DETAILS: Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)		<input checked="" type="checkbox"/> Previously Calibrated	
Precalibration Readings:	°C SU mV mS/cm NTU mg/L	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)
	1345	1.0	1.0	0.200	5.80	17.9	6.30	-2.6	205.9	5.50	2.49
	1350	2.2	2.2	0.175	5.80	17.4	6.33	2.9	202.3	4.28	2.39
	1355	3.5	3.5	0.175	5.82	17.6	6.32	6.1	199.3	3.11	2.14
	1400	4.8	4.8	0.175	5.84	17.5	6.24	4.7	180.4	2.20	1.72
	1405	6.0	6.0	0.175	5.84	17.3	6.00	0.0	140.5	1.75	1.17
	1410	7.2	7.2	0.175	5.85	17.3	5.84	-1.3	126.5	1.32	1.22
	1415	8.7	8.7	0.175	5.86	17.2	5.76	-0.4	121.3	1.11	1.42
	1420	9.8	9.8	0.175	5.86	17.3	5.72	0.0	118.9	0.98	1.57

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; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

**NOTES:**

MW-30 SBR sample time 1425

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%

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Sara Meissner</i>			SAMPLER(S) SIGNATURES: <i>[Signature]</i>			SAMPLING INITIATED AT: <i>1420</i>	SAMPLING ENDED AT: <i>1425</i>
PUMP OR TUBING DEPTH IN WELL (feet): <i>21'</i>			SAMPLE PUMP FLOW RATE (L per minute): <i>0.175</i>			TUBING MATERIAL CODE: <i>SAA MW-2453R</i>	
FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N <input type="radio"/>			FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/>			Filtration Equipment Type: _____ FILTER SIZE: _____ μm	
						DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>	
SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED			
<i>MW-3058R</i>	<i>2</i>	<i>40mL</i>	<i>CG</i>	<i>HCL</i>		<i>VOC §260</i>	<i>RFPP</i>
REMARKS:							
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)							
SAMPLING / PURGING APP = After Peristaltic Pump; B = Bailer; ESP = Electric Submersible Pump; PP = Peristaltic Pump;							
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)							

SOLUBILITY OF OXYGEN IN WATER					
at normal atmospheric conditions <sup>1</sup>					
Temperature	O2 Solubility	Temperature	O2 Solubility	Temperature	O2 Solubility
°C	mg/L	°C	mg/L	°C	mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

<sup>1</sup> Rounded to the nearest 0.1 mg/L.

# LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: <u>MW-36 SBR</u>	SAMPLE ID: <u>MW-36 SBR</u> DATE: <u>3/30/17</u>

### PURGING DATA

WELL DIAMETER (Inches): <u>2"</u>	WELL SCREEN INTERVAL DEPTH: <u>31.5</u> feet to <u>41.5</u> feet	STATIC DEPTH TO WATER (feet): <u>16.93</u>	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 = ( <u>42.07</u> feet - <u>16.93</u> feet ) X <u>0.65</u> liters/foot = <u>          </u> liters						
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME						
1 EQUIPMENT VOLUME = ( <u>44</u> feet X <u>0.005</u> liters/foot ) + <u>0.1</u> liters = <u>0.32</u> liters						
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>36</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>36</u>	PURGING INITIATED AT: <u>0959</u>	PURGING ENDED AT: <u>1112</u> TOTAL VOLUME PURGED (liters): <u>103</u>			
WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):				
YSI - 556						
LaMotte Turbidimeter <u>Hech 2100 Q</u>						
CALIBRATION DETAILS: Calibration Standards Used: <u>AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)</u> <input checked="" type="checkbox"/> Previously Calibrated						
Pre-calibration 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)
	<u>1002</u>	<u>0.3</u>	<u>0.3</u>	<u>0.10</u>	<u>16.98</u>	<u>17.3</u>	<u>3.30</u>	<u>412.6</u>	<u>1.41</u>	<u>565</u>	<u>4.18</u>
	<u>1012</u>	<u>1</u>	<u>1.3</u>	<u>0.10</u>	<u>16.99</u>	<u>17.2</u>	<u>3.23</u>	<u>488.8</u>	<u>1.54</u>	<u>76.2</u>	<u>2.19</u>
	<u>1022</u>	<u>1.5</u>	<u>2.8</u>	<u>0.15</u>	<u>17.00</u>	<u>17.3</u>	<u>3.23</u>	<u>492.1</u>	<u>1.54</u>	<u>60.4</u>	<u>2.07</u>
	<u>1027</u>	<u>0.75</u>	<u>3.55</u>	<u>0.15</u>	<u>17.00</u>	<u>17.3</u>	<u>3.23</u>	<u>494.8</u>	<u>1.52</u>	<u>39.8</u>	<u>1.94</u>
	<u>1032</u>	<u>0.75</u>	<u>4.30</u>	<u>0.15</u>	<u>17.00</u>	<u>17.3</u>	<u>3.22</u>	<u>495.4</u>	<u>1.52</u>	<u>32.7</u>	<u>1.94</u>
	<u>1042</u>	<u>1.5</u>	<u>5.80</u>	<u>0.15</u>	<u>17.00</u>	<u>17.3</u>	<u>3.22</u>	<u>496.5</u>	<u>1.49</u>	<u>24.3</u>	<u>1.95</u>
	<u>1047</u>	<u>0.75</u>	<u>6.55</u>	<u>0.15</u>	<u>17.00</u>	<u>17.2</u>	<u>3.22</u>	<u>496.9</u>	<u>1.49</u>	<u>18.9</u>	<u>1.97</u>
	<u>1052</u>	<u>0.75</u>	<u>7.30</u>	<u>0.15</u>	<u>17.00</u>	<u>17.2</u>	<u>3.22</u>	<u>492.6</u>	<u>1.48</u>	<u>13.8</u>	<u>1.94</u>
	<u>1057</u>	<u>0.75</u>	<u>8.05</u>	<u>0.15</u>	<u>17.00</u>	<u>17.2</u>	<u>3.22</u>	<u>491.4</u>	<u>1.47</u>	<u>13.4</u>	<u>1.93</u>
	<u>1102</u>	<u>0.75</u>	<u>8.80</u>	<u>0.15</u>	<u>17.00</u>	<u>17.1</u>	<u>3.22</u>	<u>492.4</u>	<u>1.46</u>	<u>8.90</u>	<u>1.92</u>
	<u>1107</u>	<u>0.75</u>	<u>9.55</u>	<u>0.15</u>	<u>17.00</u>	<u>17.2</u>	<u>3.22</u>	<u>493.2</u>	<u>1.45</u>	<u>7.23</u>	<u>1.92</u>
	<u>1112</u>	<u>0.75</u>	<u>10.30</u>	<u>0.15</u>	<u>17.00</u>	<u>17.1</u>	<u>3.22</u>	<u>498.5</u>	<u>1.44</u>	<u>7.85</u>	<u>1.94</u>

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; 1" = 0.1544

NOTES:

**STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)**

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











## LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA		SITE LOCATION: 1835 Industrial Blvd Conyers, GA	
WELL NO: MW-38	SAMPLE ID: MW-38	DATE: 3/30/12	

### PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 30.5 feet to 40.5 feet	STATIC DEPTH TO WATER (feet): 13.93	PURGE PUMP TYPE OR BAILER: PERISTALTIC
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY			
1 WELL VOLUME = ( 43 feet - feet ) X 0.65 liters/foot = liters			
<b>EQUIPMENT VOLUME PURGE:</b> 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: 1110	PURGING ENDED AT:
WATER QUALITY INSTRUMENT(S):		SERIAL NO(S):	TOTAL VOLUME PURGED (liters):
YSI - 556 LaMotte Turbidimeter			Same as MW-375BR
<b>CALIBRATION DETAILS:</b> Calibration Standards Used: AutoCAL (4.00 SU, 4.49 ms/cm, 0.0 NTU) <span style="float: right;">□ Previously Calibrated</span>			
Pre-calibration Readings:	°C	SU	mV
Calibrated Readings:	°C	SU	mV

### 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. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1110	0.5	0.5	0.150	14.55	18.7	3.55	341.8	2477	24.7	6.02
	1115	1.0	1.0	0.150	14.81	18.7	3.55	353.6	2462	10.8	0.39
	1120	2.0	2.0	0.150	14.70	18.7	3.55	359.7	2425	8.58	0.29
	1125	3.0	3.0	0.150	14.72	18.7	3.56	366.4	2382	5.99	0.21
	1130	4.0	4.0	0.150	14.74	18.7	3.55	366.0	2398	5.71	0.19
	1135	5.0	5.0	0.150	14.75	18.6	3.55	370.4	2387	5.00	0.17

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; 1/8" = 0.0097; 3/16" = 0.0217; 1/4" = 0.0386; 5/16" = 0.0603; 3/8" = 0.0869; 7/16" = 0.1182; 1/2" = 0.1544

NOTES:  
  
MW-38 sampled @ 1140

**STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)**

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



# LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME: C&D Technologies Conyers, GA	SITE LOCATION: 1835 Industrial Blvd Conyers, GA
WELL NO: <b>OBS-8</b>	SAMPLE ID: <b>OBS-8</b> DATE: <b>3/30/17</b>

## PURGING DATA

WELL DIAMETER (Inches): <b>2"</b>	WELL SCREEN INTERVAL DEPTH: <b>13.5</b> feet to <b>23.5</b> feet	STATIC DEPTH TO WATER (feet): <b>8.96</b>	PURGE PUMP TYPE OR BAILER: <b>PERISTALTIC</b>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY <b>1 WELL VOLUME = (23.56 feet - 8.96 feet) X 0.65 liters/foot = 9.7 liters</b>			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME <b>1 EQUIPMENT VOLUME = (28 feet X 0.005 liters/foot) + 0.1 liters = 0.24 liters</b>			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>18'</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>18'</b>	PURGING INITIATED AT: <b>1352</b>	PURGING ENDED AT: <b>1530</b> TOTAL VOLUME PURGED (liters): <b>12.6</b>
WATER QUALITY INSTRUMENT(S): <b>YSI - 556</b> <b>LaMotte Turbidimeter Tech 2100G</b>		SERIAL NO(S):	
CALIBRATION DETAILS: Calibration Standards Used: <b>AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU)</b> <input checked="" type="checkbox"/> Previously Calibrated			
Pre-calibration 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)
	1354	0.25	0.25	0.13	9.08	19.3	3.87	85.1	2.22	699	1.09
	1404	1.3	1.55	0.13	9.15	19.7	3.92	57.0	2.04	1163	0.30
	1414	1.3	2.85	0.13	9.19	18.8	3.93	52.2	2.03	82.0	0.24
	1424	1.3	4.15	0.13	9.18	19.8	3.92	53.8	2.07	42.6	0.24
	1434	1.3	5.45	0.13	9.17	19.6	3.93	48.9	2.07	19.2	0.21
	1435	0.65	6.10	0.13	9.17	19.1	3.93	47.0	2.05	15.2	0.19
	1444	0.65	6.75	0.13	9.17	19.6	3.92	44.7	2.08	11.8	0.19
	1449	0.65	7.40	0.13	9.17	19.4	3.93	43.4	2.06	13.3	0.20
	1454	0.65	8.05	0.13	9.18	19.7	3.92	44.6	2.07	16.6	0.21
	1459	0.65	8.70	0.13	9.18	19.5	3.93	41.6	2.06	20.1	0.19
	1504	0.65	9.35	0.13	9.18	19.3	3.94	41.7	2.03	19.7	0.19
	1509	0.65	10.00	0.13	9.17	19.6	3.93	39.9	2.04	13.7	0.20
	1514	0.65	10.65	0.13	9.18	19.2	3.93	38.2	2.02	13.8	0.20
	1519	0.65	11.30	0.13	9.18	19.1	3.93	37.7	2.01	11.0	0.20
	1524	0.65	11.95	0.13	9.18	19.5	3.93	37.1	2.00	10.5	0.19
	1529	0.65	12.60	0.13	9.18	19.3	3.93	37.2	1.99	11.1	0.19
	1534	0.65	13.25	0.13							
	1539	0.65	13.9	0.13							

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): 1/18" = 0.0008; 0.17" = 0.0045; 1/4" = 0.0097; 3/8" = 0.0217; 1/2" = 0.0386; 5/8" = 0.0603; 3/4" = 0.0869; 7/8" = 0.1182; 1" = 0.1544

NOTES: **- Dedicated Tubing in well.**  
**1530 All stable except turbidity slightly over 10NTUs**  
**Turbidity stable (±10%) and purge.**

### STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS)

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



## **Appendix B**

# **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: 490-125267-1  
Client Project/Site: C&D Conyers GA

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

Attn: Sara Meissner

*Heather Baker*

Authorized for release by:  
4/20/2017 12:52:44 PM

Heather Baker, Project Manager I  
(615)301-5043  
[heather.baker@testamericainc.com](mailto:heather.baker@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Sample Summary . . . . .	3
Case Narrative . . . . .	4
Definitions . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	50
QC Association . . . . .	82
Chronicle . . . . .	84
Method Summary . . . . .	88
Certification Summary . . . . .	89
Chain of Custody . . . . .	90
Receipt Checklists . . . . .	94
Default Detection Limits . . . . .	95



# Sample Summary

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

TestAmerica Job ID: 490-125267-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-125267-1	CD-01	Water	03/28/17 16:13	03/31/17 09:55
490-125267-2	MW-2	Water	03/30/17 09:27	03/31/17 09:55
490-125267-3	MW-3	Water	03/30/17 13:35	03/31/17 09:55
490-125267-4	MW-5	Water	03/29/17 17:00	03/31/17 09:55
490-125267-5	MW-5D	Water	03/29/17 15:35	03/31/17 09:55
490-125267-6	MW-8 SBR	Water	03/30/17 13:22	03/31/17 09:55
490-125267-7	MW-11	Water	03/30/17 12:05	03/31/17 09:55
490-125267-8	MW-11 SBR	Water	03/30/17 10:50	03/31/17 09:55
490-125267-9	MW-16	Water	03/29/17 12:43	03/31/17 09:55
490-125267-10	MW-17	Water	03/29/17 19:02	03/31/17 09:55
490-125267-11	MW-19	Water	03/28/17 14:55	03/31/17 09:55
490-125267-12	MW-20	Water	03/29/17 15:06	03/31/17 09:55
490-125267-13	MW-24 SBR	Water	03/29/17 09:55	03/31/17 09:55
490-125267-14	MW-27 SBR	Water	03/29/17 12:30	03/31/17 09:55
490-125267-15	MW-29 SBR	Water	03/29/17 10:06	03/31/17 09:55
490-125267-16	MW-30 SBR	Water	03/29/17 14:25	03/31/17 09:55
490-125267-17	MW-36 SBR	Water	03/30/17 11:15	03/31/17 09:55
490-125267-18	MW-37 SBR	Water	03/30/17 10:10	03/31/17 09:55
490-125267-19	MW-38	Water	03/30/17 11:40	03/31/17 09:55
490-125267-20	OBS-8	Water	03/30/17 15:34	03/31/17 09:55
490-125267-21	DUP-1	Water	03/29/17 00:01	03/31/17 09:55
490-125267-22	TB-1	Water	03/29/17 00:01	03/31/17 09:55

# Case Narrative

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

TestAmerica Job ID: 490-125267-1

**Job ID: 490-125267-1**

**Laboratory: TestAmerica Nashville**

## Narrative

**Job Narrative  
490-125267-1**

### Comments

No additional comments.

### Receipt

The samples were received on 3/31/2017 9:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

### GC/MS VOA

Method 8260B: The following samples were diluted due to the nature of the sample matrix: MW-5 (490-125267-4), MW-5D (490-125267-5), MW-38 (490-125267-19) and OBS-8 (490-125267-20). Elevated reporting limits (RLs) are provided. High concentrations of target analytes were detected.

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.



# Definitions/Glossary

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

TestAmerica Job ID: 490-125267-1

## 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.
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.
E	Result exceeded calibration range.

### Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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 Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: CD-01**  
**Date Collected: 03/28/17 16:13**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-1**  
**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			04/07/17 03:25	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 03:25	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 03:25	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 03:25	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 03:25	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 03:25	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 03:25	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 03:25	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 03:25	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 03:25	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 03:25	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 03:25	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 03:25	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 03:25	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 03:25	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 03:25	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 03:25	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 03:25	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 03:25	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 03:25	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 03:25	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 03:25	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 03:25	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 03:25	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 03:25	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 03:25	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 03:25	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 03:25	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 03:25	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 03:25	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 03:25	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 03:25	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 03:25	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 03:25	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 03:25	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 03:25	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 03:25	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 03:25	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 03:25	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 03:25	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 03:25	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 03:25	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 03:25	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 03:25	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 03:25	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: CD-01**  
**Date Collected: 03/28/17 16:13**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-1**  
**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			04/07/17 03:25	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 03:25	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 03:25	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/07/17 03:25	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 03:25	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 03:25	1
Trichloroethene	ND		1.00	0.200	ug/L			04/07/17 03:25	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 03:25	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 03:25	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		70 - 130					04/07/17 03:25	1
4-Bromofluorobenzene (Surr)	90		70 - 130					04/07/17 03:25	1
Dibromofluoromethane (Surr)	94		70 - 130					04/07/17 03:25	1
Toluene-d8 (Surr)	95		70 - 130					04/07/17 03:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.151		0.00200	0.000100	mg/L		04/10/17 18:26	04/19/17 20:02	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-2**  
**Date Collected: 03/30/17 09:27**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-2**  
**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			04/07/17 03:53	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 03:53	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 03:53	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 03:53	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 03:53	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 03:53	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 03:53	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 03:53	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 03:53	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 03:53	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 03:53	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 03:53	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 03:53	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 03:53	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 03:53	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 03:53	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 03:53	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 03:53	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 03:53	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 03:53	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 03:53	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 03:53	1
<b>Acetone</b>	<b>5.84</b>	<b>J</b>	25.0	2.66	ug/L			04/07/17 03:53	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 03:53	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 03:53	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 03:53	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 03:53	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 03:53	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 03:53	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 03:53	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 03:53	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 03:53	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 03:53	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 03:53	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 03:53	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 03:53	1
<b>cis-1,2-Dichloroethene</b>	<b>0.300</b>	<b>J</b>	1.00	0.210	ug/L			04/07/17 03:53	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 03:53	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 03:53	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 03:53	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 03:53	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 03:53	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 03:53	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 03:53	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-2**

**Lab Sample ID: 490-125267-2**

**Date Collected: 03/30/17 09:27**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 03:53	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 03:53	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 03:53	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/07/17 03:53	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 03:53	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 03:53	1
<b>Trichloroethene</b>	<b>17.5</b>		1.00	0.200	ug/L			04/07/17 03:53	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 03:53	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 03:53	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 03:53	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	83		70 - 130					04/07/17 03:53	1
4-Bromofluorobenzene (Surr)	89		70 - 130					04/07/17 03:53	1
Dibromofluoromethane (Surr)	95		70 - 130					04/07/17 03:53	1
Toluene-d8 (Surr)	97		70 - 130					04/07/17 03:53	1



# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-3**  
**Date Collected: 03/30/17 13:35**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-3**  
**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			04/07/17 04:22	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 04:22	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 04:22	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 04:22	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 04:22	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 04:22	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 04:22	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 04:22	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 04:22	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 04:22	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 04:22	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 04:22	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 04:22	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 04:22	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 04:22	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 04:22	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 04:22	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 04:22	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 04:22	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 04:22	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 04:22	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 04:22	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 04:22	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 04:22	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 04:22	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 04:22	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 04:22	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 04:22	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 04:22	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 04:22	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 04:22	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 04:22	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 04:22	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 04:22	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 04:22	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 04:22	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 04:22	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 04:22	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 04:22	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 04:22	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 04:22	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 04:22	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 04:22	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 04:22	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 04:22	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-3**

**Lab Sample ID: 490-125267-3**

**Date Collected: 03/30/17 13:35**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 04:22	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 04:22	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 04:22	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
<b>Tetrachloroethene</b>	<b>0.848</b>	<b>J</b>	1.00	0.140	ug/L			04/07/17 04:22	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 04:22	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 04:22	1
<b>Trichloroethene</b>	<b>57.9</b>		1.00	0.200	ug/L			04/07/17 04:22	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 04:22	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 04:22	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 04:22	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	83		70 - 130					04/07/17 04:22	1
<i>4-Bromofluorobenzene (Surr)</i>	90		70 - 130					04/07/17 04:22	1
<i>Dibromofluoromethane (Surr)</i>	95		70 - 130					04/07/17 04:22	1
<i>Toluene-d8 (Surr)</i>	94		70 - 130					04/07/17 04:22	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-5**  
**Date Collected: 03/29/17 17:00**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-4**  
**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		10.0	1.50	ug/L			04/07/17 07:40	10
1,1,1-Trichloroethane	ND		10.0	1.90	ug/L			04/07/17 07:40	10
1,1,2,2-Tetrachloroethane	ND		10.0	1.90	ug/L			04/07/17 07:40	10
1,1,2-Trichloroethane	ND		10.0	1.90	ug/L			04/07/17 07:40	10
1,1-Dichloroethane	ND		10.0	2.40	ug/L			04/07/17 07:40	10
1,1-Dichloroethene	ND		10.0	2.50	ug/L			04/07/17 07:40	10
1,1-Dichloropropene	ND		10.0	2.00	ug/L			04/07/17 07:40	10
1,2,3-Trichlorobenzene	ND		10.0	2.30	ug/L			04/07/17 07:40	10
1,2,3-Trichloropropane	ND		10.0	2.30	ug/L			04/07/17 07:40	10
1,2,4-Trichlorobenzene	ND		10.0	2.00	ug/L			04/07/17 07:40	10
1,2,4-Trimethylbenzene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
1,2-Dibromo-3-Chloropropane	ND		100	9.40	ug/L			04/07/17 07:40	10
1,2-Dibromoethane (EDB)	ND		10.0	2.10	ug/L			04/07/17 07:40	10
1,2-Dichlorobenzene	ND		10.0	1.90	ug/L			04/07/17 07:40	10
1,2-Dichloroethane	ND		10.0	2.00	ug/L			04/07/17 07:40	10
1,2-Dichloropropane	ND		10.0	2.50	ug/L			04/07/17 07:40	10
1,3,5-Trimethylbenzene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
1,3-Dichlorobenzene	ND		10.0	1.80	ug/L			04/07/17 07:40	10
1,3-Dichloropropane	ND		10.0	1.90	ug/L			04/07/17 07:40	10
1,4-Dichlorobenzene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
2,2-Dichloropropane	ND		10.0	1.60	ug/L			04/07/17 07:40	10
2-Butanone (MEK)	ND		500	26.4	ug/L			04/07/17 07:40	10
2-Chlorotoluene	ND		10.0	1.80	ug/L			04/07/17 07:40	10
2-Hexanone	ND		100	12.8	ug/L			04/07/17 07:40	10
4-Chlorotoluene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
4-Methyl-2-pentanone (MIBK)	ND		100	8.10	ug/L			04/07/17 07:40	10
Acetone	ND		250	26.6	ug/L			04/07/17 07:40	10
Benzene	ND		10.0	2.00	ug/L			04/07/17 07:40	10
Bromobenzene	ND		10.0	2.10	ug/L			04/07/17 07:40	10
Bromochloromethane	ND		10.0	1.50	ug/L			04/07/17 07:40	10
Bromodichloromethane	ND		10.0	1.70	ug/L			04/07/17 07:40	10
Bromoform	ND		10.0	2.90	ug/L			04/07/17 07:40	10
Bromomethane	ND		10.0	3.50	ug/L			04/07/17 07:40	10
Carbon disulfide	ND		10.0	2.20	ug/L			04/07/17 07:40	10
Carbon tetrachloride	ND		10.0	1.80	ug/L			04/07/17 07:40	10
Chlorobenzene	ND		10.0	1.80	ug/L			04/07/17 07:40	10
Chlorodibromomethane	ND		10.0	2.50	ug/L			04/07/17 07:40	10
Chloroethane	ND		10.0	3.60	ug/L			04/07/17 07:40	10
Chloroform	ND		10.0	2.30	ug/L			04/07/17 07:40	10
Chloromethane	ND		10.0	3.60	ug/L			04/07/17 07:40	10
cis-1,2-Dichloroethene	ND		10.0	2.10	ug/L			04/07/17 07:40	10
cis-1,3-Dichloropropane	ND		10.0	1.70	ug/L			04/07/17 07:40	10
Dibromomethane	ND		10.0	4.50	ug/L			04/07/17 07:40	10
Dichlorodifluoromethane	ND		10.0	1.70	ug/L			04/07/17 07:40	10
Ethylbenzene	ND		10.0	1.90	ug/L			04/07/17 07:40	10
Hexachlorobutadiene	ND		20.0	3.80	ug/L			04/07/17 07:40	10
Isopropylbenzene	ND		10.0	3.30	ug/L			04/07/17 07:40	10
Methyl tert-butyl ether	ND		10.0	1.70	ug/L			04/07/17 07:40	10
Methylene Chloride	ND		50.0	10.0	ug/L			04/07/17 07:40	10

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-5**  
**Date Collected: 03/29/17 17:00**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-4**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		50.0	2.10	ug/L			04/07/17 07:40	10
n-Butylbenzene	ND		10.0	2.40	ug/L			04/07/17 07:40	10
N-Propylbenzene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
p-Isopropyltoluene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
sec-Butylbenzene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
Styrene	ND		10.0	2.80	ug/L			04/07/17 07:40	10
tert-Butylbenzene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
Tetrachloroethene	ND		10.0	1.40	ug/L			04/07/17 07:40	10
Toluene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
trans-1,2-Dichloroethene	ND		10.0	2.30	ug/L			04/07/17 07:40	10
trans-1,3-Dichloropropene	ND		10.0	1.70	ug/L			04/07/17 07:40	10
<b>Trichloroethene</b>	<b>8330</b>		50.0	10.0	ug/L			04/07/17 17:39	50
Trichlorofluoromethane	ND		10.0	2.10	ug/L			04/07/17 07:40	10
Vinyl chloride	ND		10.0	1.80	ug/L			04/07/17 07:40	10
Xylenes, Total	ND		30.0	5.80	ug/L			04/07/17 07:40	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 130					04/07/17 07:40	10
1,2-Dichloroethane-d4 (Surr)	83		70 - 130					04/07/17 17:39	50
4-Bromofluorobenzene (Surr)	89		70 - 130					04/07/17 07:40	10
4-Bromofluorobenzene (Surr)	88		70 - 130					04/07/17 17:39	50
Dibromofluoromethane (Surr)	95		70 - 130					04/07/17 07:40	10
Dibromofluoromethane (Surr)	95		70 - 130					04/07/17 17:39	50
Toluene-d8 (Surr)	95		70 - 130					04/07/17 07:40	10
Toluene-d8 (Surr)	96		70 - 130					04/07/17 17:39	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>0.00279</b>	<b>F1</b>	0.00200	0.000100	mg/L		04/10/17 18:26	04/14/17 01:03	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-5D**

**Date Collected: 03/29/17 15:35**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-5**

**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		5.00	0.750	ug/L			04/07/17 17:11	5
1,1,1-Trichloroethane	ND		5.00	0.950	ug/L			04/07/17 17:11	5
1,1,2,2-Tetrachloroethane	ND		5.00	0.950	ug/L			04/07/17 17:11	5
1,1,2-Trichloroethane	ND		5.00	0.950	ug/L			04/07/17 17:11	5
1,1-Dichloroethane	ND		5.00	1.20	ug/L			04/07/17 17:11	5
1,1-Dichloroethene	ND		5.00	1.25	ug/L			04/07/17 17:11	5
1,1-Dichloropropene	ND		5.00	1.00	ug/L			04/07/17 17:11	5
1,2,3-Trichlorobenzene	ND		5.00	1.15	ug/L			04/07/17 17:11	5
1,2,3-Trichloropropane	ND		5.00	1.15	ug/L			04/07/17 17:11	5
1,2,4-Trichlorobenzene	ND		5.00	1.00	ug/L			04/07/17 17:11	5
1,2,4-Trimethylbenzene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
1,2-Dibromo-3-Chloropropane	ND		50.0	4.70	ug/L			04/07/17 17:11	5
1,2-Dibromoethane (EDB)	ND		5.00	1.05	ug/L			04/07/17 17:11	5
1,2-Dichlorobenzene	ND		5.00	0.950	ug/L			04/07/17 17:11	5
1,2-Dichloroethane	ND		5.00	1.00	ug/L			04/07/17 17:11	5
1,2-Dichloropropane	ND		5.00	1.25	ug/L			04/07/17 17:11	5
1,3,5-Trimethylbenzene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
1,3-Dichlorobenzene	ND		5.00	0.900	ug/L			04/07/17 17:11	5
1,3-Dichloropropane	ND		5.00	0.950	ug/L			04/07/17 17:11	5
1,4-Dichlorobenzene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
2,2-Dichloropropane	ND		5.00	0.800	ug/L			04/07/17 17:11	5
2-Butanone (MEK)	ND		250	13.2	ug/L			04/07/17 17:11	5
2-Chlorotoluene	ND		5.00	0.900	ug/L			04/07/17 17:11	5
2-Hexanone	ND		50.0	6.40	ug/L			04/07/17 17:11	5
4-Chlorotoluene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
4-Methyl-2-pentanone (MIBK)	ND		50.0	4.05	ug/L			04/07/17 17:11	5
<b>Acetone</b>	<b>94.3</b>	<b>J</b>	125	13.3	ug/L			04/07/17 17:11	5
Benzene	ND		5.00	1.00	ug/L			04/07/17 17:11	5
Bromobenzene	ND		5.00	1.05	ug/L			04/07/17 17:11	5
Bromochloromethane	ND		5.00	0.750	ug/L			04/07/17 17:11	5
Bromodichloromethane	ND		5.00	0.850	ug/L			04/07/17 17:11	5
Bromoform	ND		5.00	1.45	ug/L			04/07/17 17:11	5
Bromomethane	ND		5.00	1.75	ug/L			04/07/17 17:11	5
<b>Carbon disulfide</b>	<b>1.87</b>	<b>J</b>	5.00	1.10	ug/L			04/07/17 17:11	5
Carbon tetrachloride	ND		5.00	0.900	ug/L			04/07/17 17:11	5
Chlorobenzene	ND		5.00	0.900	ug/L			04/07/17 17:11	5
Chlorodibromomethane	ND		5.00	1.25	ug/L			04/07/17 17:11	5
Chloroethane	ND		5.00	1.80	ug/L			04/07/17 17:11	5
Chloroform	ND		5.00	1.15	ug/L			04/07/17 17:11	5
Chloromethane	ND		5.00	1.80	ug/L			04/07/17 17:11	5
cis-1,2-Dichloroethene	ND		5.00	1.05	ug/L			04/07/17 17:11	5
cis-1,3-Dichloropropene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
Dibromomethane	ND		5.00	2.25	ug/L			04/07/17 17:11	5
Dichlorodifluoromethane	ND		5.00	0.850	ug/L			04/07/17 17:11	5
Ethylbenzene	ND		5.00	0.950	ug/L			04/07/17 17:11	5
Hexachlorobutadiene	ND		10.0	1.90	ug/L			04/07/17 17:11	5
Isopropylbenzene	ND		5.00	1.65	ug/L			04/07/17 17:11	5
Methyl tert-butyl ether	ND		5.00	0.850	ug/L			04/07/17 17:11	5
Methylene Chloride	ND		25.0	5.00	ug/L			04/07/17 17:11	5

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-5D**

**Lab Sample ID: 490-125267-5**

**Date Collected: 03/29/17 15:35**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 17:11	5
n-Butylbenzene	ND		5.00	1.20	ug/L			04/07/17 17:11	5
N-Propylbenzene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
p-Isopropyltoluene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
sec-Butylbenzene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
Styrene	ND		5.00	1.40	ug/L			04/07/17 17:11	5
tert-Butylbenzene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
Tetrachloroethene	ND		5.00	0.700	ug/L			04/07/17 17:11	5
Toluene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
trans-1,2-Dichloroethene	ND		5.00	1.15	ug/L			04/07/17 17:11	5
trans-1,3-Dichloropropene	ND		5.00	0.850	ug/L			04/07/17 17:11	5
<b>Trichloroethene</b>	<b>881</b>		5.00	1.00	ug/L			04/07/17 17:11	5
Trichlorofluoromethane	ND		5.00	1.05	ug/L			04/07/17 17:11	5
Vinyl chloride	ND		5.00	0.900	ug/L			04/07/17 17:11	5
Xylenes, Total	ND		15.0	2.90	ug/L			04/07/17 17:11	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		70 - 130					04/07/17 17:11	5
4-Bromofluorobenzene (Surr)	88		70 - 130					04/07/17 17:11	5
Dibromofluoromethane (Surr)	95		70 - 130					04/07/17 17:11	5
Toluene-d8 (Surr)	95		70 - 130					04/07/17 17:11	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>0.264</b>		0.00200	0.000100	mg/L		04/10/17 18:26	04/19/17 19:24	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-8 SBR**

**Lab Sample ID: 490-125267-6**

**Date Collected: 03/30/17 13:22**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 04:50	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 04:50	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 04:50	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 04:50	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 04:50	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 04:50	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 04:50	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 04:50	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 04:50	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 04:50	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 04:50	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 04:50	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 04:50	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 04:50	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 04:50	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 04:50	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 04:50	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 04:50	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 04:50	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 04:50	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 04:50	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 04:50	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 04:50	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 04:50	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 04:50	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 04:50	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 04:50	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 04:50	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 04:50	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 04:50	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 04:50	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 04:50	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 04:50	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 04:50	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 04:50	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 04:50	1
<b>cis-1,2-Dichloroethene</b>	<b>0.482</b>	<b>J</b>	1.00	0.210	ug/L			04/07/17 04:50	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 04:50	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 04:50	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 04:50	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 04:50	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 04:50	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 04:50	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 04:50	1

TestAmerica Nashville



# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-8 SBR**

**Lab Sample ID: 490-125267-6**

**Date Collected: 03/30/17 13:22**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 04:50	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 04:50	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 04:50	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
<b>Tetrachloroethene</b>	<b>0.734</b>	<b>J</b>	1.00	0.140	ug/L			04/07/17 04:50	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 04:50	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 04:50	1
<b>Trichloroethene</b>	<b>304</b>		1.00	0.200	ug/L			04/07/17 04:50	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 04:50	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 04:50	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 04:50	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	84		70 - 130					04/07/17 04:50	1
<i>4-Bromofluorobenzene (Surr)</i>	89		70 - 130					04/07/17 04:50	1
<i>Dibromofluoromethane (Surr)</i>	95		70 - 130					04/07/17 04:50	1
<i>Toluene-d8 (Surr)</i>	95		70 - 130					04/07/17 04:50	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-11**

**Date Collected: 03/30/17 12:05**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-7**

**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			04/06/17 19:53	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 19:53	1
1,1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/06/17 19:53	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 19:53	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/06/17 19:53	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/06/17 19:53	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/06/17 19:53	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/06/17 19:53	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/06/17 19:53	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/06/17 19:53	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/06/17 19:53	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/06/17 19:53	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/06/17 19:53	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/06/17 19:53	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/06/17 19:53	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/06/17 19:53	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/06/17 19:53	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/06/17 19:53	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/06/17 19:53	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/06/17 19:53	1
2-Hexanone	ND		10.0	1.28	ug/L			04/06/17 19:53	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/06/17 19:53	1
Acetone	ND		25.0	2.66	ug/L			04/06/17 19:53	1
Benzene	ND		1.00	0.200	ug/L			04/06/17 19:53	1
Bromobenzene	ND		1.00	0.210	ug/L			04/06/17 19:53	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/06/17 19:53	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/06/17 19:53	1
Bromoform	ND		1.00	0.290	ug/L			04/06/17 19:53	1
Bromomethane	ND		1.00	0.350	ug/L			04/06/17 19:53	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/06/17 19:53	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/06/17 19:53	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/06/17 19:53	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/06/17 19:53	1
Chloroethane	ND		1.00	0.360	ug/L			04/06/17 19:53	1
Chloroform	ND		1.00	0.230	ug/L			04/06/17 19:53	1
Chloromethane	ND		1.00	0.360	ug/L			04/06/17 19:53	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/06/17 19:53	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/06/17 19:53	1
Dibromomethane	ND		1.00	0.450	ug/L			04/06/17 19:53	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/06/17 19:53	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/06/17 19:53	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/06/17 19:53	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/06/17 19:53	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/06/17 19:53	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/06/17 19:53	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-11**

**Date Collected: 03/30/17 12:05**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-7**

**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			04/06/17 19:53	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/06/17 19:53	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
Styrene	ND		1.00	0.280	ug/L			04/06/17 19:53	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/06/17 19:53	1
Toluene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/06/17 19:53	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/06/17 19:53	1
Trichloroethene	ND		1.00	0.200	ug/L			04/06/17 19:53	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/06/17 19:53	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/06/17 19:53	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/06/17 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		70 - 130		04/06/17 19:53	1
4-Bromofluorobenzene (Surr)	90		70 - 130		04/06/17 19:53	1
Dibromofluoromethane (Surr)	93		70 - 130		04/06/17 19:53	1
Toluene-d8 (Surr)	94		70 - 130		04/06/17 19:53	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-11 SBR**

**Lab Sample ID: 490-125267-8**

**Date Collected: 03/30/17 10:50**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 05:18	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 05:18	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 05:18	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 05:18	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 05:18	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 05:18	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 05:18	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 05:18	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 05:18	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 05:18	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 05:18	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 05:18	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 05:18	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 05:18	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 05:18	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 05:18	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 05:18	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 05:18	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 05:18	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 05:18	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 05:18	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 05:18	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 05:18	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 05:18	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 05:18	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 05:18	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 05:18	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 05:18	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 05:18	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 05:18	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 05:18	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 05:18	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 05:18	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 05:18	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 05:18	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 05:18	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 05:18	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 05:18	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 05:18	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 05:18	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 05:18	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 05:18	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 05:18	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 05:18	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 05:18	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-11 SBR**

**Lab Sample ID: 490-125267-8**

**Date Collected: 03/30/17 10:50**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 05:18	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 05:18	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 05:18	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
<b>Tetrachloroethene</b>	<b>3.20</b>		1.00	0.140	ug/L			04/07/17 05:18	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 05:18	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 05:18	1
Trichloroethene	ND		1.00	0.200	ug/L			04/07/17 05:18	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 05:18	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 05:18	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		70 - 130		04/07/17 05:18	1
4-Bromofluorobenzene (Surr)	89		70 - 130		04/07/17 05:18	1
Dibromofluoromethane (Surr)	95		70 - 130		04/07/17 05:18	1
Toluene-d8 (Surr)	94		70 - 130		04/07/17 05:18	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-16**

**Date Collected: 03/29/17 12:43**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-9**

**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			04/07/17 09:05	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 09:05	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 09:05	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 09:05	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 09:05	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 09:05	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 09:05	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 09:05	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 09:05	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 09:05	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 09:05	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 09:05	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 09:05	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 09:05	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 09:05	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 09:05	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 09:05	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 09:05	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 09:05	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 09:05	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 09:05	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 09:05	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 09:05	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 09:05	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 09:05	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 09:05	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 09:05	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 09:05	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 09:05	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 09:05	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 09:05	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 09:05	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 09:05	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 09:05	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 09:05	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 09:05	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 09:05	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 09:05	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 09:05	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 09:05	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 09:05	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 09:05	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 09:05	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 09:05	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 09:05	1

TestAmerica Nashville



# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-16**

**Date Collected: 03/29/17 12:43**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-9**

**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			04/07/17 09:05	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 09:05	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 09:05	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/07/17 09:05	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 09:05	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 09:05	1
Trichloroethene	ND		1.00	0.200	ug/L			04/07/17 09:05	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 09:05	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 09:05	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 09:05	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	84		70 - 130					04/07/17 09:05	1
4-Bromofluorobenzene (Surr)	89		70 - 130					04/07/17 09:05	1
Dibromofluoromethane (Surr)	97		70 - 130					04/07/17 09:05	1
Toluene-d8 (Surr)	94		70 - 130					04/07/17 09:05	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-17**

**Date Collected: 03/29/17 19:02**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-10**

**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			04/06/17 21:46	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 21:46	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/06/17 21:46	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 21:46	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/06/17 21:46	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/06/17 21:46	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/06/17 21:46	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/06/17 21:46	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/06/17 21:46	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/06/17 21:46	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/06/17 21:46	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/06/17 21:46	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/06/17 21:46	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/06/17 21:46	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/06/17 21:46	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/06/17 21:46	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/06/17 21:46	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/06/17 21:46	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/06/17 21:46	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/06/17 21:46	1
2-Hexanone	ND		10.0	1.28	ug/L			04/06/17 21:46	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/06/17 21:46	1
Acetone	ND		25.0	2.66	ug/L			04/06/17 21:46	1
Benzene	ND		1.00	0.200	ug/L			04/06/17 21:46	1
Bromobenzene	ND		1.00	0.210	ug/L			04/06/17 21:46	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/06/17 21:46	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/06/17 21:46	1
Bromoform	ND		1.00	0.290	ug/L			04/06/17 21:46	1
Bromomethane	ND		1.00	0.350	ug/L			04/06/17 21:46	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/06/17 21:46	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/06/17 21:46	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/06/17 21:46	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/06/17 21:46	1
Chloroethane	ND		1.00	0.360	ug/L			04/06/17 21:46	1
Chloroform	ND		1.00	0.230	ug/L			04/06/17 21:46	1
Chloromethane	ND		1.00	0.360	ug/L			04/06/17 21:46	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/06/17 21:46	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
Dibromomethane	ND		1.00	0.450	ug/L			04/06/17 21:46	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/06/17 21:46	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/06/17 21:46	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/06/17 21:46	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/06/17 21:46	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/06/17 21:46	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/06/17 21:46	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-17**  
**Date Collected: 03/29/17 19:02**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-10**  
**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			04/06/17 21:46	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/06/17 21:46	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
Styrene	ND		1.00	0.280	ug/L			04/06/17 21:46	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
<b>Tetrachloroethene</b>	<b>13.4</b>		1.00	0.140	ug/L			04/06/17 21:46	1
Toluene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/06/17 21:46	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/06/17 21:46	1
<b>Trichloroethene</b>	<b>1.88</b>		1.00	0.200	ug/L			04/06/17 21:46	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/06/17 21:46	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/06/17 21:46	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/06/17 21:46	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	82		70 - 130					04/06/17 21:46	1
4-Bromofluorobenzene (Surr)	90		70 - 130					04/06/17 21:46	1
Dibromofluoromethane (Surr)	94		70 - 130					04/06/17 21:46	1
Toluene-d8 (Surr)	96		70 - 130					04/06/17 21:46	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-19**

**Date Collected: 03/28/17 14:55**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-11**

**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			04/06/17 20:21	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 20:21	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/06/17 20:21	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 20:21	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/06/17 20:21	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/06/17 20:21	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/06/17 20:21	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/06/17 20:21	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/06/17 20:21	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/06/17 20:21	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/06/17 20:21	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/06/17 20:21	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/06/17 20:21	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/06/17 20:21	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/06/17 20:21	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/06/17 20:21	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/06/17 20:21	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/06/17 20:21	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/06/17 20:21	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/06/17 20:21	1
2-Hexanone	ND		10.0	1.28	ug/L			04/06/17 20:21	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/06/17 20:21	1
Acetone	ND		25.0	2.66	ug/L			04/06/17 20:21	1
Benzene	ND		1.00	0.200	ug/L			04/06/17 20:21	1
Bromobenzene	ND		1.00	0.210	ug/L			04/06/17 20:21	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/06/17 20:21	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/06/17 20:21	1
Bromoform	ND		1.00	0.290	ug/L			04/06/17 20:21	1
Bromomethane	ND		1.00	0.350	ug/L			04/06/17 20:21	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/06/17 20:21	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/06/17 20:21	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/06/17 20:21	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/06/17 20:21	1
Chloroethane	ND		1.00	0.360	ug/L			04/06/17 20:21	1
Chloroform	ND		1.00	0.230	ug/L			04/06/17 20:21	1
Chloromethane	ND		1.00	0.360	ug/L			04/06/17 20:21	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/06/17 20:21	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/06/17 20:21	1
Dibromomethane	ND		1.00	0.450	ug/L			04/06/17 20:21	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/06/17 20:21	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/06/17 20:21	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/06/17 20:21	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/06/17 20:21	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/06/17 20:21	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/06/17 20:21	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-19**

**Lab Sample ID: 490-125267-11**

**Date Collected: 03/28/17 14:55**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/06/17 20:21	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/06/17 20:21	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
Styrene	ND		1.00	0.280	ug/L			04/06/17 20:21	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/06/17 20:21	1
Toluene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/06/17 20:21	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/06/17 20:21	1
Trichloroethene	ND		1.00	0.200	ug/L			04/06/17 20:21	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/06/17 20:21	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/06/17 20:21	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/06/17 20:21	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	82		70 - 130					04/06/17 20:21	1
4-Bromofluorobenzene (Surr)	89		70 - 130					04/06/17 20:21	1
Dibromofluoromethane (Surr)	94		70 - 130					04/06/17 20:21	1
Toluene-d8 (Surr)	95		70 - 130					04/06/17 20:21	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-20**  
**Date Collected: 03/29/17 15:06**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-12**  
**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			04/06/17 20:49	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 20:49	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/06/17 20:49	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 20:49	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/06/17 20:49	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/06/17 20:49	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/06/17 20:49	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/06/17 20:49	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/06/17 20:49	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/06/17 20:49	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/06/17 20:49	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/06/17 20:49	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/06/17 20:49	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/06/17 20:49	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/06/17 20:49	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/06/17 20:49	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/06/17 20:49	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/06/17 20:49	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/06/17 20:49	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/06/17 20:49	1
2-Hexanone	ND		10.0	1.28	ug/L			04/06/17 20:49	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/06/17 20:49	1
<b>Acetone</b>	<b>3.50</b>	<b>J</b>	25.0	2.66	ug/L			04/06/17 20:49	1
Benzene	ND		1.00	0.200	ug/L			04/06/17 20:49	1
Bromobenzene	ND		1.00	0.210	ug/L			04/06/17 20:49	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/06/17 20:49	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/06/17 20:49	1
Bromoform	ND		1.00	0.290	ug/L			04/06/17 20:49	1
Bromomethane	ND		1.00	0.350	ug/L			04/06/17 20:49	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/06/17 20:49	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/06/17 20:49	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/06/17 20:49	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/06/17 20:49	1
Chloroethane	ND		1.00	0.360	ug/L			04/06/17 20:49	1
Chloroform	ND		1.00	0.230	ug/L			04/06/17 20:49	1
Chloromethane	ND		1.00	0.360	ug/L			04/06/17 20:49	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/06/17 20:49	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/06/17 20:49	1
Dibromomethane	ND		1.00	0.450	ug/L			04/06/17 20:49	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/06/17 20:49	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/06/17 20:49	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/06/17 20:49	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/06/17 20:49	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/06/17 20:49	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/06/17 20:49	1

TestAmerica Nashville



# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-20**  
**Date Collected: 03/29/17 15:06**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-12**  
**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			04/06/17 20:49	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/06/17 20:49	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
Styrene	ND		1.00	0.280	ug/L			04/06/17 20:49	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/06/17 20:49	1
Toluene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/06/17 20:49	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/06/17 20:49	1
Trichloroethene	ND		1.00	0.200	ug/L			04/06/17 20:49	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/06/17 20:49	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/06/17 20:49	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/06/17 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 130					04/06/17 20:49	1
4-Bromofluorobenzene (Surr)	90		70 - 130					04/06/17 20:49	1
Dibromofluoromethane (Surr)	95		70 - 130					04/06/17 20:49	1
Toluene-d8 (Surr)	96		70 - 130					04/06/17 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.708		0.00200	0.000100	mg/L		04/10/17 18:26	04/19/17 19:29	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-24 SBR**

**Lab Sample ID: 490-125267-13**

**Date Collected: 03/29/17 09:55**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/06/17 21:18	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 21:18	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/06/17 21:18	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 21:18	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/06/17 21:18	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/06/17 21:18	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/06/17 21:18	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/06/17 21:18	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/06/17 21:18	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/06/17 21:18	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/06/17 21:18	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/06/17 21:18	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/06/17 21:18	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/06/17 21:18	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/06/17 21:18	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/06/17 21:18	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/06/17 21:18	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/06/17 21:18	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/06/17 21:18	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/06/17 21:18	1
2-Hexanone	ND		10.0	1.28	ug/L			04/06/17 21:18	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/06/17 21:18	1
Acetone	ND		25.0	2.66	ug/L			04/06/17 21:18	1
Benzene	ND		1.00	0.200	ug/L			04/06/17 21:18	1
Bromobenzene	ND		1.00	0.210	ug/L			04/06/17 21:18	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/06/17 21:18	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/06/17 21:18	1
Bromoform	ND		1.00	0.290	ug/L			04/06/17 21:18	1
Bromomethane	ND		1.00	0.350	ug/L			04/06/17 21:18	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/06/17 21:18	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/06/17 21:18	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/06/17 21:18	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/06/17 21:18	1
Chloroethane	ND		1.00	0.360	ug/L			04/06/17 21:18	1
Chloroform	ND		1.00	0.230	ug/L			04/06/17 21:18	1
Chloromethane	ND		1.00	0.360	ug/L			04/06/17 21:18	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/06/17 21:18	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/06/17 21:18	1
Dibromomethane	ND		1.00	0.450	ug/L			04/06/17 21:18	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/06/17 21:18	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/06/17 21:18	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/06/17 21:18	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/06/17 21:18	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/06/17 21:18	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/06/17 21:18	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-24 SBR**

**Lab Sample ID: 490-125267-13**

**Date Collected: 03/29/17 09:55**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/06/17 21:18	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/06/17 21:18	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
Styrene	ND		1.00	0.280	ug/L			04/06/17 21:18	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/06/17 21:18	1
Toluene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/06/17 21:18	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/06/17 21:18	1
<b>Trichloroethene</b>	<b>11.1</b>		1.00	0.200	ug/L			04/06/17 21:18	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/06/17 21:18	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/06/17 21:18	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/06/17 21:18	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	82		70 - 130					04/06/17 21:18	1
<i>4-Bromofluorobenzene (Surr)</i>	91		70 - 130					04/06/17 21:18	1
<i>Dibromofluoromethane (Surr)</i>	95		70 - 130					04/06/17 21:18	1
<i>Toluene-d8 (Surr)</i>	94		70 - 130					04/06/17 21:18	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-27 SBR**

**Lab Sample ID: 490-125267-14**

**Date Collected: 03/29/17 12:30**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 09:33	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 09:33	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 09:33	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 09:33	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 09:33	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 09:33	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 09:33	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 09:33	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 09:33	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 09:33	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 09:33	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 09:33	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 09:33	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 09:33	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 09:33	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 09:33	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 09:33	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 09:33	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 09:33	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 09:33	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 09:33	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 09:33	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 09:33	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 09:33	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 09:33	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 09:33	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 09:33	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 09:33	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 09:33	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 09:33	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 09:33	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 09:33	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 09:33	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 09:33	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 09:33	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 09:33	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 09:33	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 09:33	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 09:33	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 09:33	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 09:33	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 09:33	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 09:33	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 09:33	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 09:33	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-27 SBR**

**Lab Sample ID: 490-125267-14**

**Date Collected: 03/29/17 12:30**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 09:33	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 09:33	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 09:33	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/07/17 09:33	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 09:33	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 09:33	1
<b>Trichloroethene</b>	<b>0.417</b>	<b>J</b>	1.00	0.200	ug/L			04/07/17 09:33	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 09:33	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 09:33	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 09:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	84		70 - 130					04/07/17 09:33	1
<i>4-Bromofluorobenzene (Surr)</i>	89		70 - 130					04/07/17 09:33	1
<i>Dibromofluoromethane (Surr)</i>	95		70 - 130					04/07/17 09:33	1
<i>Toluene-d8 (Surr)</i>	95		70 - 130					04/07/17 09:33	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-29 SBR**

**Lab Sample ID: 490-125267-15**

**Date Collected: 03/29/17 10:06**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 05:47	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 05:47	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 05:47	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 05:47	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 05:47	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 05:47	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 05:47	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 05:47	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 05:47	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 05:47	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 05:47	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 05:47	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 05:47	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 05:47	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 05:47	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 05:47	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 05:47	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 05:47	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 05:47	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 05:47	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 05:47	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 05:47	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 05:47	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 05:47	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 05:47	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 05:47	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 05:47	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 05:47	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 05:47	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 05:47	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 05:47	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 05:47	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 05:47	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 05:47	1
<b>Chloroform</b>	<b>1.63</b>		1.00	0.230	ug/L			04/07/17 05:47	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 05:47	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 05:47	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 05:47	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 05:47	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 05:47	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 05:47	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 05:47	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 05:47	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 05:47	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 05:47	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-29 SBR**

**Lab Sample ID: 490-125267-15**

**Date Collected: 03/29/17 10:06**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 05:47	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 05:47	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 05:47	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
<b>Tetrachloroethene</b>	<b>9.20</b>		1.00	0.140	ug/L			04/07/17 05:47	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 05:47	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 05:47	1
<b>Trichloroethene</b>	<b>44.4</b>		1.00	0.200	ug/L			04/07/17 05:47	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 05:47	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 05:47	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 05:47	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	83		70 - 130					04/07/17 05:47	1
<i>4-Bromofluorobenzene (Surr)</i>	89		70 - 130					04/07/17 05:47	1
<i>Dibromofluoromethane (Surr)</i>	95		70 - 130					04/07/17 05:47	1
<i>Toluene-d8 (Surr)</i>	95		70 - 130					04/07/17 05:47	1



# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-30 SBR**

**Lab Sample ID: 490-125267-16**

**Date Collected: 03/29/17 14:25**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 06:15	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 06:15	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 06:15	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 06:15	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 06:15	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 06:15	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 06:15	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 06:15	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 06:15	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 06:15	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 06:15	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 06:15	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 06:15	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 06:15	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 06:15	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 06:15	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 06:15	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 06:15	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 06:15	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 06:15	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 06:15	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 06:15	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 06:15	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 06:15	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 06:15	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 06:15	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 06:15	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 06:15	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 06:15	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 06:15	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 06:15	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 06:15	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 06:15	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 06:15	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 06:15	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 06:15	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 06:15	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 06:15	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 06:15	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 06:15	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 06:15	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 06:15	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 06:15	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 06:15	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 06:15	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-30 SBR**

**Lab Sample ID: 490-125267-16**

**Date Collected: 03/29/17 14:25**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 06:15	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 06:15	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 06:15	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/07/17 06:15	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 06:15	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 06:15	1
<b>Trichloroethene</b>	<b>2.64</b>		1.00	0.200	ug/L			04/07/17 06:15	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 06:15	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 06:15	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 06:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	85		70 - 130					04/07/17 06:15	1
<i>4-Bromofluorobenzene (Surr)</i>	88		70 - 130					04/07/17 06:15	1
<i>Dibromofluoromethane (Surr)</i>	96		70 - 130					04/07/17 06:15	1
<i>Toluene-d8 (Surr)</i>	95		70 - 130					04/07/17 06:15	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-36 SBR**

**Lab Sample ID: 490-125267-17**

**Date Collected: 03/30/17 11:15**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 10:30	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 10:30	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 10:30	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 10:30	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 10:30	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 10:30	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 10:30	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 10:30	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 10:30	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 10:30	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 10:30	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 10:30	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 10:30	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 10:30	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 10:30	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 10:30	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 10:30	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 10:30	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 10:30	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 10:30	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 10:30	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 10:30	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 10:30	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 10:30	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 10:30	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 10:30	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 10:30	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 10:30	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 10:30	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 10:30	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 10:30	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 10:30	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 10:30	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 10:30	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 10:30	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 10:30	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 10:30	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 10:30	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 10:30	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 10:30	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 10:30	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 10:30	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 10:30	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 10:30	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 10:30	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-36 SBR**

**Lab Sample ID: 490-125267-17**

**Date Collected: 03/30/17 11:15**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 10:30	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 10:30	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 10:30	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
<b>Tetrachloroethene</b>	<b>2.76</b>		1.00	0.140	ug/L			04/07/17 10:30	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 10:30	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 10:30	1
<b>Trichloroethene</b>	<b>131</b>		1.00	0.200	ug/L			04/07/17 10:30	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 10:30	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 10:30	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 10:30	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	85		70 - 130					04/07/17 10:30	1
<i>4-Bromofluorobenzene (Surr)</i>	88		70 - 130					04/07/17 10:30	1
<i>Dibromofluoromethane (Surr)</i>	94		70 - 130					04/07/17 10:30	1
<i>Toluene-d8 (Surr)</i>	97		70 - 130					04/07/17 10:30	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-37 SBR**

**Lab Sample ID: 490-125267-18**

**Date Collected: 03/30/17 10:10**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 08:36	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 08:36	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 08:36	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 08:36	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 08:36	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 08:36	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 08:36	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 08:36	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 08:36	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 08:36	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 08:36	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 08:36	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 08:36	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 08:36	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 08:36	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 08:36	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 08:36	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 08:36	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 08:36	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 08:36	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 08:36	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 08:36	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 08:36	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 08:36	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 08:36	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 08:36	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 08:36	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 08:36	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 08:36	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 08:36	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 08:36	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 08:36	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 08:36	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 08:36	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 08:36	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 08:36	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 08:36	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 08:36	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 08:36	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 08:36	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 08:36	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 08:36	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 08:36	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 08:36	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 08:36	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-37 SBR**

**Lab Sample ID: 490-125267-18**

**Date Collected: 03/30/17 10:10**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 08:36	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 08:36	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 08:36	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
<b>Tetrachloroethene</b>	<b>1.22</b>		1.00	0.140	ug/L			04/07/17 08:36	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 08:36	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 08:36	1
<b>Trichloroethene</b>	<b>183</b>		1.00	0.200	ug/L			04/07/17 08:36	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 08:36	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 08:36	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 08:36	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	84		70 - 130					04/07/17 08:36	1
<i>4-Bromofluorobenzene (Surr)</i>	89		70 - 130					04/07/17 08:36	1
<i>Dibromofluoromethane (Surr)</i>	97		70 - 130					04/07/17 08:36	1
<i>Toluene-d8 (Surr)</i>	95		70 - 130					04/07/17 08:36	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-38**

**Date Collected: 03/30/17 11:40**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-19**

**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			04/07/17 06:43	5
1,1,1-Trichloroethane	ND		5.00	0.950	ug/L			04/07/17 06:43	5
1,1,2,2-Tetrachloroethane	ND		5.00	0.950	ug/L			04/07/17 06:43	5
1,1,2-Trichloroethane	ND		5.00	0.950	ug/L			04/07/17 06:43	5
1,1-Dichloroethane	ND		5.00	1.20	ug/L			04/07/17 06:43	5
1,1-Dichloroethene	ND		5.00	1.25	ug/L			04/07/17 06:43	5
1,1-Dichloropropene	ND		5.00	1.00	ug/L			04/07/17 06:43	5
1,2,3-Trichlorobenzene	ND		5.00	1.15	ug/L			04/07/17 06:43	5
1,2,3-Trichloropropane	ND		5.00	1.15	ug/L			04/07/17 06:43	5
1,2,4-Trichlorobenzene	ND		5.00	1.00	ug/L			04/07/17 06:43	5
1,2,4-Trimethylbenzene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
1,2-Dibromo-3-Chloropropane	ND		50.0	4.70	ug/L			04/07/17 06:43	5
1,2-Dibromoethane (EDB)	ND		5.00	1.05	ug/L			04/07/17 06:43	5
1,2-Dichlorobenzene	ND		5.00	0.950	ug/L			04/07/17 06:43	5
1,2-Dichloroethane	ND		5.00	1.00	ug/L			04/07/17 06:43	5
1,2-Dichloropropane	ND		5.00	1.25	ug/L			04/07/17 06:43	5
1,3,5-Trimethylbenzene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
1,3-Dichlorobenzene	ND		5.00	0.900	ug/L			04/07/17 06:43	5
1,3-Dichloropropane	ND		5.00	0.950	ug/L			04/07/17 06:43	5
1,4-Dichlorobenzene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
2,2-Dichloropropane	ND		5.00	0.800	ug/L			04/07/17 06:43	5
<b>2-Butanone (MEK)</b>	<b>42.0</b>	<b>J</b>	250	13.2	ug/L			04/07/17 06:43	5
2-Chlorotoluene	ND		5.00	0.900	ug/L			04/07/17 06:43	5
2-Hexanone	ND		50.0	6.40	ug/L			04/07/17 06:43	5
4-Chlorotoluene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
4-Methyl-2-pentanone (MIBK)	ND		50.0	4.05	ug/L			04/07/17 06:43	5
<b>Acetone</b>	<b>63.5</b>	<b>J</b>	125	13.3	ug/L			04/07/17 06:43	5
Benzene	ND		5.00	1.00	ug/L			04/07/17 06:43	5
Bromobenzene	ND		5.00	1.05	ug/L			04/07/17 06:43	5
Bromochloromethane	ND		5.00	0.750	ug/L			04/07/17 06:43	5
Bromodichloromethane	ND		5.00	0.850	ug/L			04/07/17 06:43	5
Bromoform	ND		5.00	1.45	ug/L			04/07/17 06:43	5
Bromomethane	ND		5.00	1.75	ug/L			04/07/17 06:43	5
<b>Carbon disulfide</b>	<b>1.30</b>	<b>J</b>	5.00	1.10	ug/L			04/07/17 06:43	5
Carbon tetrachloride	ND		5.00	0.900	ug/L			04/07/17 06:43	5
Chlorobenzene	ND		5.00	0.900	ug/L			04/07/17 06:43	5
Chlorodibromomethane	ND		5.00	1.25	ug/L			04/07/17 06:43	5
Chloroethane	ND		5.00	1.80	ug/L			04/07/17 06:43	5
Chloroform	ND		5.00	1.15	ug/L			04/07/17 06:43	5
Chloromethane	ND		5.00	1.80	ug/L			04/07/17 06:43	5
<b>cis-1,2-Dichloroethene</b>	<b>33.7</b>		5.00	1.05	ug/L			04/07/17 06:43	5
cis-1,3-Dichloropropene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
Dibromomethane	ND		5.00	2.25	ug/L			04/07/17 06:43	5
Dichlorodifluoromethane	ND		5.00	0.850	ug/L			04/07/17 06:43	5
Ethylbenzene	ND		5.00	0.950	ug/L			04/07/17 06:43	5
Hexachlorobutadiene	ND		10.0	1.90	ug/L			04/07/17 06:43	5
Isopropylbenzene	ND		5.00	1.65	ug/L			04/07/17 06:43	5
Methyl tert-butyl ether	ND		5.00	0.850	ug/L			04/07/17 06:43	5
Methylene Chloride	ND		25.0	5.00	ug/L			04/07/17 06:43	5

TestAmerica Nashville



# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-38**  
**Date Collected: 03/30/17 11:40**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-19**  
**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			04/07/17 06:43	5
n-Butylbenzene	ND		5.00	1.20	ug/L			04/07/17 06:43	5
N-Propylbenzene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
p-Isopropyltoluene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
sec-Butylbenzene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
Styrene	ND		5.00	1.40	ug/L			04/07/17 06:43	5
tert-Butylbenzene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
Tetrachloroethene	ND		5.00	0.700	ug/L			04/07/17 06:43	5
Toluene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
trans-1,2-Dichloroethene	ND		5.00	1.15	ug/L			04/07/17 06:43	5
trans-1,3-Dichloropropene	ND		5.00	0.850	ug/L			04/07/17 06:43	5
<b>Trichloroethene</b>	<b>525</b>		5.00	1.00	ug/L			04/07/17 06:43	5
Trichlorofluoromethane	ND		5.00	1.05	ug/L			04/07/17 06:43	5
Vinyl chloride	ND		5.00	0.900	ug/L			04/07/17 06:43	5
Xylenes, Total	ND		15.0	2.90	ug/L			04/07/17 06:43	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 130					04/07/17 06:43	5
4-Bromofluorobenzene (Surr)	91		70 - 130					04/07/17 06:43	5
Dibromofluoromethane (Surr)	95		70 - 130					04/07/17 06:43	5
Toluene-d8 (Surr)	95		70 - 130					04/07/17 06:43	5

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: OBS-8**

**Date Collected: 03/30/17 15:34**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-20**

**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			04/07/17 07:12	5
1,1,1-Trichloroethane	ND		5.00	0.950	ug/L			04/07/17 07:12	5
1,1,2,2-Tetrachloroethane	ND		5.00	0.950	ug/L			04/07/17 07:12	5
1,1,2-Trichloroethane	ND		5.00	0.950	ug/L			04/07/17 07:12	5
1,1-Dichloroethane	ND		5.00	1.20	ug/L			04/07/17 07:12	5
1,1-Dichloroethene	ND		5.00	1.25	ug/L			04/07/17 07:12	5
1,1-Dichloropropene	ND		5.00	1.00	ug/L			04/07/17 07:12	5
1,2,3-Trichlorobenzene	ND		5.00	1.15	ug/L			04/07/17 07:12	5
1,2,3-Trichloropropane	ND		5.00	1.15	ug/L			04/07/17 07:12	5
1,2,4-Trichlorobenzene	ND		5.00	1.00	ug/L			04/07/17 07:12	5
1,2,4-Trimethylbenzene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
1,2-Dibromo-3-Chloropropane	ND		50.0	4.70	ug/L			04/07/17 07:12	5
1,2-Dibromoethane (EDB)	ND		5.00	1.05	ug/L			04/07/17 07:12	5
1,2-Dichlorobenzene	ND		5.00	0.950	ug/L			04/07/17 07:12	5
1,2-Dichloroethane	ND		5.00	1.00	ug/L			04/07/17 07:12	5
1,2-Dichloropropane	ND		5.00	1.25	ug/L			04/07/17 07:12	5
1,3,5-Trimethylbenzene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
1,3-Dichlorobenzene	ND		5.00	0.900	ug/L			04/07/17 07:12	5
1,3-Dichloropropane	ND		5.00	0.950	ug/L			04/07/17 07:12	5
1,4-Dichlorobenzene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
2,2-Dichloropropane	ND		5.00	0.800	ug/L			04/07/17 07:12	5
2-Butanone (MEK)	ND		250	13.2	ug/L			04/07/17 07:12	5
2-Chlorotoluene	ND		5.00	0.900	ug/L			04/07/17 07:12	5
2-Hexanone	ND		50.0	6.40	ug/L			04/07/17 07:12	5
4-Chlorotoluene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
4-Methyl-2-pentanone (MIBK)	ND		50.0	4.05	ug/L			04/07/17 07:12	5
Acetone	ND		125	13.3	ug/L			04/07/17 07:12	5
Benzene	ND		5.00	1.00	ug/L			04/07/17 07:12	5
Bromobenzene	ND		5.00	1.05	ug/L			04/07/17 07:12	5
Bromochloromethane	ND		5.00	0.750	ug/L			04/07/17 07:12	5
Bromodichloromethane	ND		5.00	0.850	ug/L			04/07/17 07:12	5
Bromoform	ND		5.00	1.45	ug/L			04/07/17 07:12	5
Bromomethane	ND		5.00	1.75	ug/L			04/07/17 07:12	5
Carbon disulfide	ND		5.00	1.10	ug/L			04/07/17 07:12	5
Carbon tetrachloride	ND		5.00	0.900	ug/L			04/07/17 07:12	5
Chlorobenzene	ND		5.00	0.900	ug/L			04/07/17 07:12	5
Chlorodibromomethane	ND		5.00	1.25	ug/L			04/07/17 07:12	5
Chloroethane	ND		5.00	1.80	ug/L			04/07/17 07:12	5
Chloroform	ND		5.00	1.15	ug/L			04/07/17 07:12	5
Chloromethane	ND		5.00	1.80	ug/L			04/07/17 07:12	5
<b>cis-1,2-Dichloroethene</b>	<b>154</b>		5.00	1.05	ug/L			04/07/17 07:12	5
cis-1,3-Dichloropropene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
Dibromomethane	ND		5.00	2.25	ug/L			04/07/17 07:12	5
Dichlorodifluoromethane	ND		5.00	0.850	ug/L			04/07/17 07:12	5
Ethylbenzene	ND		5.00	0.950	ug/L			04/07/17 07:12	5
Hexachlorobutadiene	ND		10.0	1.90	ug/L			04/07/17 07:12	5
Isopropylbenzene	ND		5.00	1.65	ug/L			04/07/17 07:12	5
Methyl tert-butyl ether	ND		5.00	0.850	ug/L			04/07/17 07:12	5
Methylene Chloride	ND		25.0	5.00	ug/L			04/07/17 07:12	5

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: OBS-8**

**Lab Sample ID: 490-125267-20**

**Date Collected: 03/30/17 15:34**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 07:12	5
n-Butylbenzene	ND		5.00	1.20	ug/L			04/07/17 07:12	5
N-Propylbenzene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
p-Isopropyltoluene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
sec-Butylbenzene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
Styrene	ND		5.00	1.40	ug/L			04/07/17 07:12	5
tert-Butylbenzene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
Tetrachloroethene	ND		5.00	0.700	ug/L			04/07/17 07:12	5
Toluene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
trans-1,2-Dichloroethene	ND		5.00	1.15	ug/L			04/07/17 07:12	5
trans-1,3-Dichloropropene	ND		5.00	0.850	ug/L			04/07/17 07:12	5
<b>Trichloroethene</b>	<b>807</b>		5.00	1.00	ug/L			04/07/17 07:12	5
Trichlorofluoromethane	ND		5.00	1.05	ug/L			04/07/17 07:12	5
Vinyl chloride	ND		5.00	0.900	ug/L			04/07/17 07:12	5
Xylenes, Total	ND		15.0	2.90	ug/L			04/07/17 07:12	5
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>1,2-Dichloroethane-d4 (Surr)</i>	83		70 - 130					04/07/17 07:12	5
<i>4-Bromofluorobenzene (Surr)</i>	88		70 - 130					04/07/17 07:12	5
<i>Dibromofluoromethane (Surr)</i>	96		70 - 130					04/07/17 07:12	5
<i>Toluene-d8 (Surr)</i>	95		70 - 130					04/07/17 07:12	5

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: DUP-1**  
**Date Collected: 03/29/17 00:01**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-21**  
**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			04/07/17 10:01	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 10:01	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 10:01	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 10:01	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 10:01	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 10:01	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 10:01	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 10:01	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 10:01	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 10:01	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 10:01	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 10:01	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 10:01	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 10:01	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 10:01	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 10:01	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 10:01	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 10:01	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 10:01	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 10:01	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 10:01	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 10:01	1
<b>Acetone</b>	<b>114</b>		25.0	2.66	ug/L			04/07/17 10:01	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 10:01	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 10:01	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 10:01	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 10:01	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 10:01	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 10:01	1
<b>Carbon disulfide</b>	<b>3.61</b>		1.00	0.220	ug/L			04/07/17 10:01	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 10:01	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 10:01	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 10:01	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 10:01	1
<b>Chloroform</b>	<b>1.72</b>		1.00	0.230	ug/L			04/07/17 10:01	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 10:01	1
<b>cis-1,2-Dichloroethene</b>	<b>1.72</b>		1.00	0.210	ug/L			04/07/17 10:01	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
<b>Dibromomethane</b>	<b>0.502 J</b>		1.00	0.450	ug/L			04/07/17 10:01	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 10:01	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 10:01	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 10:01	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 10:01	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 10:01	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 10:01	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: DUP-1**  
**Date Collected: 03/29/17 00:01**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-21**  
**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			04/07/17 10:01	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 10:01	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
<b>p-Isopropyltoluene</b>	<b>0.243</b>	<b>J</b>	1.00	0.170	ug/L			04/07/17 10:01	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 10:01	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
<b>Tetrachloroethene</b>	<b>0.716</b>	<b>J</b>	1.00	0.140	ug/L			04/07/17 10:01	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 10:01	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 10:01	1
<b>Trichloroethene</b>	<b>811</b>		5.00	1.00	ug/L			04/11/17 21:01	5
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 10:01	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 10:01	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 10:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		04/07/17 10:01	1
1,2-Dichloroethane-d4 (Surr)	89		70 - 130		04/11/17 21:01	5
4-Bromofluorobenzene (Surr)	89		70 - 130		04/07/17 10:01	1
4-Bromofluorobenzene (Surr)	89		70 - 130		04/11/17 21:01	5
Dibromofluoromethane (Surr)	97		70 - 130		04/07/17 10:01	1
Dibromofluoromethane (Surr)	96		70 - 130		04/11/17 21:01	5
Toluene-d8 (Surr)	96		70 - 130		04/07/17 10:01	1
Toluene-d8 (Surr)	90		70 - 130		04/11/17 21:01	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>0.290</b>		0.00200	0.000100	mg/L		04/10/17 18:26	04/19/17 19:34	1

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: TB-1**

**Date Collected: 03/29/17 00:01**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-22**

**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			04/07/17 02:57	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 02:57	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 02:57	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 02:57	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 02:57	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 02:57	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 02:57	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 02:57	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 02:57	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 02:57	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 02:57	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 02:57	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 02:57	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 02:57	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 02:57	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 02:57	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 02:57	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 02:57	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 02:57	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 02:57	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 02:57	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 02:57	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 02:57	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 02:57	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 02:57	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 02:57	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 02:57	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 02:57	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 02:57	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 02:57	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 02:57	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 02:57	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 02:57	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 02:57	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 02:57	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 02:57	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 02:57	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/07/17 02:57	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 02:57	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 02:57	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 02:57	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 02:57	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 02:57	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 02:57	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 02:57	1

TestAmerica Nashville

# Client Sample Results

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: TB-1**

**Lab Sample ID: 490-125267-22**

**Date Collected: 03/29/17 00:01**

**Matrix: Water**

**Date Received: 03/31/17 09:55**

**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			04/07/17 02:57	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 02:57	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 02:57	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/07/17 02:57	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 02:57	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 02:57	1
Trichloroethene	ND		1.00	0.200	ug/L			04/07/17 02:57	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 02:57	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 02:57	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 02:57	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	82		70 - 130					04/07/17 02:57	1
4-Bromofluorobenzene (Surr)	89		70 - 130					04/07/17 02:57	1
Dibromofluoromethane (Surr)	94		70 - 130					04/07/17 02:57	1
Toluene-d8 (Surr)	96		70 - 130					04/07/17 02:57	1



# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: MB 490-420241/9**

**Matrix: Water**

**Analysis Batch: 420241**

**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			04/06/17 14:42	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 14:42	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/06/17 14:42	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/06/17 14:42	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/06/17 14:42	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/06/17 14:42	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/06/17 14:42	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/06/17 14:42	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/06/17 14:42	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/06/17 14:42	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/06/17 14:42	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/06/17 14:42	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/06/17 14:42	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/06/17 14:42	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/06/17 14:42	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/06/17 14:42	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/06/17 14:42	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/06/17 14:42	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/06/17 14:42	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/06/17 14:42	1
2-Hexanone	ND		10.0	1.28	ug/L			04/06/17 14:42	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/06/17 14:42	1
Acetone	ND		25.0	2.66	ug/L			04/06/17 14:42	1
Benzene	ND		1.00	0.200	ug/L			04/06/17 14:42	1
Bromobenzene	ND		1.00	0.210	ug/L			04/06/17 14:42	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/06/17 14:42	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/06/17 14:42	1
Bromoform	ND		1.00	0.290	ug/L			04/06/17 14:42	1
Bromomethane	ND		1.00	0.350	ug/L			04/06/17 14:42	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/06/17 14:42	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/06/17 14:42	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/06/17 14:42	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/06/17 14:42	1
Chloroethane	ND		1.00	0.360	ug/L			04/06/17 14:42	1
Chloroform	ND		1.00	0.230	ug/L			04/06/17 14:42	1
Chloromethane	ND		1.00	0.360	ug/L			04/06/17 14:42	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/06/17 14:42	1
cis-1,3-Dichloropropane	ND		1.00	0.170	ug/L			04/06/17 14:42	1
Dibromomethane	ND		1.00	0.450	ug/L			04/06/17 14:42	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/06/17 14:42	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/06/17 14:42	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/06/17 14:42	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/06/17 14:42	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/06/17 14:42	1

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: MB 490-420241/9**  
**Matrix: Water**  
**Analysis Batch: 420241**

**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			04/06/17 14:42	1
Naphthalene	ND		5.00	0.210	ug/L			04/06/17 14:42	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/06/17 14:42	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
Styrene	ND		1.00	0.280	ug/L			04/06/17 14:42	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/06/17 14:42	1
Toluene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/06/17 14:42	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/06/17 14:42	1
Trichloroethene	ND		1.00	0.200	ug/L			04/06/17 14:42	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/06/17 14:42	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/06/17 14:42	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/06/17 14:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		70 - 130		04/06/17 14:42	1
4-Bromofluorobenzene (Surr)	91		70 - 130		04/06/17 14:42	1
Dibromofluoromethane (Surr)	95		70 - 130		04/06/17 14:42	1
Toluene-d8 (Surr)	96		70 - 130		04/06/17 14:42	1

**Lab Sample ID: LCS 490-420241/3**  
**Matrix: Water**  
**Analysis Batch: 420241**

**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	18.39		ug/L		92	70 - 130
1,1,1-Trichloroethane	20.0	16.51		ug/L		83	70 - 135
1,1,2,2-Tetrachloroethane	20.0	19.26		ug/L		96	69 - 131
1,1,2-Trichloroethane	20.0	18.37		ug/L		92	70 - 130
1,1-Dichloroethane	20.0	16.29		ug/L		81	70 - 130
1,1-Dichloroethene	20.0	17.92		ug/L		90	70 - 132
1,1-Dichloropropene	20.0	17.73		ug/L		89	70 - 130
1,2,3-Trichlorobenzene	20.0	18.47		ug/L		92	46 - 150
1,2,3-Trichloropropane	20.0	16.64		ug/L		83	70 - 131
1,2,4-Trichlorobenzene	20.0	18.48		ug/L		92	58 - 147
1,2,4-Trimethylbenzene	20.0	19.01		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.63		ug/L		93	45 - 138
1,2-Dibromoethane (EDB)	20.0	17.81		ug/L		89	70 - 130
1,2-Dichlorobenzene	20.0	18.89		ug/L		94	70 - 130
1,2-Dichloroethane	20.0	15.28		ug/L		76	70 - 130
1,2-Dichloropropane	20.0	18.50		ug/L		92	70 - 130
1,3,5-Trimethylbenzene	20.0	18.51		ug/L		93	70 - 130
1,3-Dichlorobenzene	20.0	18.54		ug/L		93	70 - 130
1,3-Dichloropropane	20.0	18.13		ug/L		91	70 - 130
1,4-Dichlorobenzene	20.0	18.11		ug/L		91	70 - 130

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

Lab Sample ID: LCS 490-420241/3

Matrix: Water

Analysis Batch: 420241

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	17.19		ug/L		86	60 - 143
2-Butanone (MEK)	100	82.43		ug/L		82	55 - 143
2-Chlorotoluene	20.0	18.98		ug/L		95	70 - 130
2-Hexanone	100	87.20		ug/L		87	54 - 142
4-Chlorotoluene	20.0	18.39		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	100	89.10		ug/L		89	60 - 137
Acetone	100	83.06		ug/L		83	39 - 150
Benzene	20.0	18.52		ug/L		93	70 - 130
Bromobenzene	20.0	19.01		ug/L		95	70 - 130
Bromochloromethane	20.0	17.50		ug/L		88	70 - 130
Bromodichloromethane	20.0	17.44		ug/L		87	70 - 130
Bromoform	20.0	18.80		ug/L		94	70 - 137
Bromomethane	20.0	15.47		ug/L		77	53 - 150
Carbon disulfide	20.0	18.28		ug/L		91	64 - 135
Carbon tetrachloride	20.0	17.64		ug/L		88	70 - 147
Chlorobenzene	20.0	18.25		ug/L		91	70 - 130
Chlorodibromomethane	20.0	18.86		ug/L		94	70 - 133
Chloroethane	20.0	18.33		ug/L		92	60 - 138
Chloroform	20.0	16.82		ug/L		84	70 - 130
Chloromethane	20.0	19.50		ug/L		98	33 - 150
cis-1,2-Dichloroethene	20.0	17.30		ug/L		86	70 - 130
cis-1,3-Dichloropropene	20.0	18.07		ug/L		90	70 - 133
Dibromomethane	20.0	17.84		ug/L		89	70 - 130
Dichlorodifluoromethane	20.0	19.35		ug/L		97	48 - 150
Ethylbenzene	20.0	17.84		ug/L		89	70 - 130
Hexachlorobutadiene	20.0	19.59		ug/L		98	70 - 138
Isopropylbenzene	20.0	17.92		ug/L		90	70 - 131
Methyl tert-butyl ether	20.0	16.89		ug/L		84	70 - 130
Methylene Chloride	20.0	17.92		ug/L		90	70 - 130
Naphthalene	20.0	18.25		ug/L		91	54 - 150
n-Butylbenzene	20.0	18.39		ug/L		92	68 - 137
N-Propylbenzene	20.0	19.31		ug/L		97	70 - 134
p-Isopropyltoluene	20.0	18.70		ug/L		94	66 - 130
sec-Butylbenzene	20.0	18.70		ug/L		93	70 - 135
Styrene	20.0	17.72		ug/L		89	70 - 130
tert-Butylbenzene	20.0	19.02		ug/L		95	70 - 130
Tetrachloroethene	20.0	18.66		ug/L		93	70 - 130
Toluene	20.0	18.52		ug/L		93	70 - 130
trans-1,2-Dichloroethene	20.0	16.29		ug/L		81	70 - 130
trans-1,3-Dichloropropene	20.0	17.14		ug/L		86	63 - 142
Trichloroethene	20.0	18.66		ug/L		93	70 - 130
Trichlorofluoromethane	20.0	16.65		ug/L		83	59 - 150
Vinyl chloride	20.0	20.20		ug/L		101	57 - 137
Xylenes, Total	40.0	34.48		ug/L		86	70 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: LCS 490-420241/3**

**Matrix: Water**

**Analysis Batch: 420241**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	93		70 - 130
Toluene-d8 (Surr)	95		70 - 130

**Lab Sample ID: LCSD 490-420241/4**

**Matrix: Water**

**Analysis Batch: 420241**

**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	18.29		ug/L		91	70 - 130	1	13
1,1,1-Trichloroethane	20.0	16.56		ug/L		83	70 - 135	0	15
1,1,2,2-Tetrachloroethane	20.0	19.37		ug/L		97	69 - 131	1	15
1,1,2-Trichloroethane	20.0	18.49		ug/L		92	70 - 130	1	13
1,1-Dichloroethane	20.0	16.64		ug/L		83	70 - 130	2	17
1,1-Dichloroethene	20.0	17.67		ug/L		88	70 - 132	1	20
1,1-Dichloropropene	20.0	17.59		ug/L		88	70 - 130	1	16
1,2,3-Trichlorobenzene	20.0	18.69		ug/L		93	46 - 150	1	16
1,2,3-Trichloropropane	20.0	16.48		ug/L		82	70 - 131	1	14
1,2,4-Trichlorobenzene	20.0	18.15		ug/L		91	58 - 147	2	15
1,2,4-Trimethylbenzene	20.0	18.23		ug/L		91	70 - 130	4	13
1,2-Dibromo-3-Chloropropane	20.0	18.16		ug/L		91	45 - 138	3	19
1,2-Dibromoethane (EDB)	20.0	17.64		ug/L		88	70 - 130	1	13
1,2-Dichlorobenzene	20.0	18.50		ug/L		93	70 - 130	2	12
1,2-Dichloroethane	20.0	15.08		ug/L		75	70 - 130	1	13
1,2-Dichloropropane	20.0	18.17		ug/L		91	70 - 130	2	15
1,3,5-Trimethylbenzene	20.0	18.42		ug/L		92	70 - 130	0	14
1,3-Dichlorobenzene	20.0	18.34		ug/L		92	70 - 130	1	13
1,3-Dichloropropane	20.0	18.35		ug/L		92	70 - 130	1	12
1,4-Dichlorobenzene	20.0	18.03		ug/L		90	70 - 130	0	12
2,2-Dichloropropane	20.0	16.84		ug/L		84	60 - 143	2	20
2-Butanone (MEK)	100	80.90		ug/L		81	55 - 143	2	19
2-Chlorotoluene	20.0	18.66		ug/L		93	70 - 130	2	15
2-Hexanone	100	88.41		ug/L		88	54 - 142	1	17
4-Chlorotoluene	20.0	18.16		ug/L		91	70 - 130	1	15
4-Methyl-2-pentanone (MIBK)	100	89.09		ug/L		89	60 - 137	0	21
Acetone	100	85.45		ug/L		85	39 - 150	3	23
Benzene	20.0	18.38		ug/L		92	70 - 130	1	12
Bromobenzene	20.0	18.70		ug/L		94	70 - 130	2	16
Bromochloromethane	20.0	16.70		ug/L		84	70 - 130	5	16
Bromodichloromethane	20.0	17.06		ug/L		85	70 - 130	2	14
Bromoform	20.0	18.54		ug/L		93	70 - 137	1	14
Bromomethane	20.0	16.39		ug/L		82	53 - 150	6	19
Carbon disulfide	20.0	18.23		ug/L		91	64 - 135	0	16
Carbon tetrachloride	20.0	17.73		ug/L		89	70 - 147	0	16
Chlorobenzene	20.0	18.01		ug/L		90	70 - 130	1	12
Chlorodibromomethane	20.0	18.98		ug/L		95	70 - 133	1	13
Chloroethane	20.0	19.46		ug/L		97	60 - 138	6	15
Chloroform	20.0	16.21		ug/L		81	70 - 130	4	14
Chloromethane	20.0	19.53		ug/L		98	33 - 150	0	20

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: LCSD 490-420241/4**

**Client Sample ID: Lab Control Sample Dup**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 420241**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	RPD Limit
cis-1,2-Dichloroethene	20.0	17.29		ug/L		86	70 - 130	0	15	
cis-1,3-Dichloropropene	20.0	18.46		ug/L		92	70 - 133	2	15	
Dibromomethane	20.0	17.61		ug/L		88	70 - 130	1	14	
Dichlorodifluoromethane	20.0	19.02		ug/L		95	48 - 150	2	16	
Ethylbenzene	20.0	17.97		ug/L		90	70 - 130	1	12	
Hexachlorobutadiene	20.0	19.55		ug/L		98	70 - 138	0	16	
Isopropylbenzene	20.0	18.02		ug/L		90	70 - 131	1	13	
Methyl tert-butyl ether	20.0	16.60		ug/L		83	70 - 130	2	16	
Methylene Chloride	20.0	18.21		ug/L		91	70 - 130	2	15	
Naphthalene	20.0	18.45		ug/L		92	54 - 150	1	15	
n-Butylbenzene	20.0	18.16		ug/L		91	68 - 137	1	14	
N-Propylbenzene	20.0	19.19		ug/L		96	70 - 134	1	14	
p-Isopropyltoluene	20.0	18.43		ug/L		92	66 - 130	1	13	
sec-Butylbenzene	20.0	18.48		ug/L		92	70 - 135	1	14	
Styrene	20.0	17.84		ug/L		89	70 - 130	1	12	
tert-Butylbenzene	20.0	18.81		ug/L		94	70 - 130	1	14	
Tetrachloroethene	20.0	18.58		ug/L		93	70 - 130	0	17	
Toluene	20.0	18.66		ug/L		93	70 - 130	1	13	
trans-1,2-Dichloroethene	20.0	16.59		ug/L		83	70 - 130	2	15	
trans-1,3-Dichloropropene	20.0	17.24		ug/L		86	63 - 142	1	13	
Trichloroethene	20.0	18.30		ug/L		92	70 - 130	2	14	
Trichlorofluoromethane	20.0	17.83		ug/L		89	59 - 150	7	22	
Vinyl chloride	20.0	20.15		ug/L		101	57 - 137	0	15	
Xylenes, Total	40.0	34.60		ug/L		87	70 - 132	0	11	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	86		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: 490-125197-B-1 MS**

**Client Sample ID: Matrix Spike**

**Matrix: Water**

**Prep Type: Total/NA**

**Analysis Batch: 420241**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec. Limits	
				Result	Qualifier					
1,1,1,2-Tetrachloroethane	ND		20.0	19.87		ug/L		99	70 - 131	
1,1,1-Trichloroethane	ND		20.0	18.89		ug/L		94	68 - 144	
1,1,2,2-Tetrachloroethane	ND		20.0	20.41		ug/L		102	56 - 145	
1,1,2-Trichloroethane	ND		20.0	19.79		ug/L		99	70 - 130	
1,1-Dichloroethane	ND		20.0	17.66		ug/L		88	61 - 139	
1,1-Dichloroethene	ND		20.0	20.14		ug/L		101	54 - 150	
1,1-Dichloropropene	ND		20.0	19.79		ug/L		99	54 - 150	
1,2,3-Trichlorobenzene	ND		20.0	19.08		ug/L		95	36 - 150	
1,2,3-Trichloropropane	ND		20.0	17.02		ug/L		85	65 - 131	
1,2,4-Trichlorobenzene	ND		20.0	18.97		ug/L		95	47 - 147	
1,2,4-Trimethylbenzene	ND		20.0	20.12		ug/L		101	64 - 136	
1,2-Dibromo-3-Chloropropane	ND		20.0	18.80		ug/L		94	38 - 138	

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125197-B-1 MS**

**Matrix: Water**

**Analysis Batch: 420241**

**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	18.61		ug/L		93	65 - 137
1,2-Dichlorobenzene	ND		20.0	19.77		ug/L		99	70 - 130
1,2-Dichloroethane	ND		20.0	16.80		ug/L		84	64 - 136
1,2-Dichloropropane	ND		20.0	19.99		ug/L		100	67 - 130
1,3,5-Trimethylbenzene	ND		20.0	20.14		ug/L		101	69 - 139
1,3-Dichlorobenzene	ND		20.0	19.77		ug/L		99	68 - 131
1,3-Dichloropropane	ND		20.0	19.58		ug/L		98	70 - 130
1,4-Dichlorobenzene	ND		20.0	19.11		ug/L		96	70 - 130
2,2-Dichloropropane	ND		20.0	18.76		ug/L		94	50 - 146
2-Butanone (MEK)	ND		100	82.66		ug/L		83	50 - 143
2-Chlorotoluene	ND		20.0	20.28		ug/L		101	67 - 138
2-Hexanone	ND		100	89.62		ug/L		90	44 - 150
4-Chlorotoluene	ND		20.0	19.66		ug/L		98	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		100	93.69		ug/L		94	50 - 140
Acetone	ND		100	87.48		ug/L		87	39 - 150
Benzene	ND		20.0	20.74		ug/L		104	55 - 147
Bromobenzene	ND		20.0	19.92		ug/L		100	60 - 133
Bromochloromethane	ND		20.0	18.10		ug/L		90	59 - 132
Bromodichloromethane	ND		20.0	19.04		ug/L		95	70 - 140
Bromoform	ND		20.0	19.80		ug/L		99	53 - 150
Bromomethane	ND		20.0	19.46		ug/L		97	30 - 150
Carbon disulfide	ND		20.0	20.51		ug/L		103	35 - 150
Carbon tetrachloride	ND		20.0	20.35		ug/L		102	56 - 150
Chlorobenzene	ND		20.0	20.04		ug/L		100	70 - 130
Chlorodibromomethane	ND		20.0	20.17		ug/L		101	66 - 140
Chloroethane	ND		20.0	20.22		ug/L		101	58 - 141
Chloroform	ND		20.0	18.25		ug/L		91	66 - 138
Chloromethane	ND		20.0	21.55		ug/L		108	10 - 150
cis-1,2-Dichloroethene	ND		20.0	19.15		ug/L		96	68 - 131
cis-1,3-Dichloropropene	ND		20.0	19.29		ug/L		96	70 - 133
Dibromomethane	ND		20.0	19.18		ug/L		96	70 - 130
Dichlorodifluoromethane	ND		20.0	20.94		ug/L		105	10 - 150
Ethylbenzene	ND		20.0	19.60		ug/L		98	65 - 139
Hexachlorobutadiene	ND		20.0	20.96		ug/L		105	61 - 141
Isopropylbenzene	ND		20.0	19.97		ug/L		100	70 - 137
Methyl tert-butyl ether	ND		20.0	17.36		ug/L		87	55 - 141
Methylene Chloride	ND		20.0	19.18		ug/L		96	64 - 130
Naphthalene	ND		20.0	18.53		ug/L		93	32 - 150
n-Butylbenzene	ND		20.0	19.32		ug/L		97	61 - 141
N-Propylbenzene	ND		20.0	20.64		ug/L		103	53 - 150
p-Isopropyltoluene	ND		20.0	19.84		ug/L		99	66 - 137
sec-Butylbenzene	ND		20.0	20.06		ug/L		100	55 - 136
Styrene	ND		20.0	19.23		ug/L		96	70 - 130
tert-Butylbenzene	ND		20.0	20.26		ug/L		101	70 - 138
Tetrachloroethene	ND		20.0	20.83		ug/L		104	57 - 138
Toluene	ND		20.0	20.52		ug/L		103	64 - 136
trans-1,2-Dichloroethene	ND		20.0	18.16		ug/L		91	59 - 143
trans-1,3-Dichloropropene	ND		20.0	18.13		ug/L		91	63 - 142

TestAmerica Nashville



# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125197-B-1 MS**

**Matrix: Water**

**Analysis Batch: 420241**

**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	20.55		ug/L		103	63 - 135
Trichlorofluoromethane	ND		20.0	20.87		ug/L		104	44 - 150
Vinyl chloride	ND		20.0	22.88		ug/L		114	57 - 150
Xylenes, Total	ND		40.0	37.74		ug/L		94	69 - 132

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: 490-125197-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 420241**

**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	19.66		ug/L		98	70 - 131	1	16
1,1,1-Trichloroethane	ND		20.0	19.07		ug/L		95	68 - 144	1	17
1,1,1,2,2-Tetrachloroethane	ND		20.0	20.27		ug/L		101	56 - 145	1	19
1,1,2-Trichloroethane	ND		20.0	19.61		ug/L		98	70 - 130	1	18
1,1-Dichloroethane	ND		20.0	18.23		ug/L		91	61 - 139	3	23
1,1-Dichloroethene	ND		20.0	20.64		ug/L		103	54 - 150	2	24
1,1-Dichloropropene	ND		20.0	19.78		ug/L		99	54 - 150	0	24
1,2,3-Trichlorobenzene	ND		20.0	19.19		ug/L		96	36 - 150	1	43
1,2,3-Trichloropropane	ND		20.0	17.47		ug/L		87	65 - 131	3	19
1,2,4-Trichlorobenzene	ND		20.0	19.01		ug/L		95	47 - 147	0	24
1,2,4-Trimethylbenzene	ND		20.0	20.33		ug/L		102	64 - 136	1	18
1,2-Dibromo-3-Chloropropane	ND		20.0	18.70		ug/L		93	38 - 138	1	26
1,2-Dibromoethane (EDB)	ND		20.0	18.22		ug/L		91	65 - 137	2	21
1,2-Dichlorobenzene	ND		20.0	19.58		ug/L		98	70 - 130	1	15
1,2-Dichloroethane	ND		20.0	16.07		ug/L		80	64 - 136	4	22
1,2-Dichloropropane	ND		20.0	19.67		ug/L		98	67 - 130	2	19
1,3,5-Trimethylbenzene	ND		20.0	20.04		ug/L		100	69 - 139	1	17
1,3-Dichlorobenzene	ND		20.0	19.55		ug/L		98	68 - 131	1	14
1,3-Dichloropropane	ND		20.0	19.08		ug/L		95	70 - 130	3	17
1,4-Dichlorobenzene	ND		20.0	19.18		ug/L		96	70 - 130	0	14
2,2-Dichloropropane	ND		20.0	18.74		ug/L		94	50 - 146	0	20
2-Butanone (MEK)	ND		100	79.92		ug/L		80	50 - 143	3	28
2-Chlorotoluene	ND		20.0	20.02		ug/L		100	67 - 138	1	17
2-Hexanone	ND		100	85.52		ug/L		86	44 - 150	5	21
4-Chlorotoluene	ND		20.0	20.07		ug/L		100	69 - 138	2	15
4-Methyl-2-pentanone (MIBK)	ND		100	91.89		ug/L		92	50 - 140	2	24
Acetone	ND		100	84.20		ug/L		84	39 - 150	4	28
Benzene	ND		20.0	20.35		ug/L		102	55 - 147	2	22
Bromobenzene	ND		20.0	19.98		ug/L		100	60 - 133	0	18
Bromochloromethane	ND		20.0	18.50		ug/L		93	59 - 132	2	21
Bromodichloromethane	ND		20.0	18.65		ug/L		93	70 - 140	2	196
Bromoform	ND		20.0	19.27		ug/L		96	53 - 150	3	20

TestAmerica Nashville



# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125197-C-1 MSD**

**Matrix: Water**

**Analysis Batch: 420241**

**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	ND		20.0	18.77		ug/L		94	30 - 150	4	44
Carbon disulfide	ND		20.0	20.34		ug/L		102	35 - 150	1	34
Carbon tetrachloride	ND		20.0	20.29		ug/L		101	56 - 150	0	18
Chlorobenzene	ND		20.0	19.69		ug/L		98	70 - 130	2	15
Chlorodibromomethane	ND		20.0	19.52		ug/L		98	66 - 140	3	19
Chloroethane	ND		20.0	22.21		ug/L		111	58 - 141	9	31
Chloroform	ND		20.0	18.35		ug/L		92	66 - 138	1	21
Chloromethane	ND		20.0	21.75		ug/L		109	10 - 150	1	43
cis-1,2-Dichloroethene	ND		20.0	18.81		ug/L		94	68 - 131	2	21
cis-1,3-Dichloropropene	ND		20.0	18.88		ug/L		94	70 - 133	2	19
Dibromomethane	ND		20.0	18.40		ug/L		92	70 - 130	4	19
Dichlorodifluoromethane	ND		20.0	21.54		ug/L		108	10 - 150	3	50
Ethylbenzene	ND		20.0	19.50		ug/L		97	65 - 139	1	18
Hexachlorobutadiene	ND		20.0	21.32		ug/L		107	61 - 141	2	26
Isopropylbenzene	ND		20.0	19.52		ug/L		98	70 - 137	2	17
Methyl tert-butyl ether	ND		20.0	17.55		ug/L		88	55 - 141	1	24
Methylene Chloride	ND		20.0	19.21		ug/L		96	64 - 130	0	22
Naphthalene	ND		20.0	18.48		ug/L		92	32 - 150	0	40
n-Butylbenzene	ND		20.0	19.46		ug/L		97	61 - 141	1	17
N-Propylbenzene	ND		20.0	20.98		ug/L		105	53 - 150	2	18
p-Isopropyltoluene	ND		20.0	19.90		ug/L		99	66 - 137	0	16
sec-Butylbenzene	ND		20.0	20.27		ug/L		101	55 - 136	1	50
Styrene	ND		20.0	19.01		ug/L		95	70 - 130	1	16
tert-Butylbenzene	ND		20.0	20.55		ug/L		103	70 - 138	1	17
Tetrachloroethene	ND		20.0	20.33		ug/L		102	57 - 138	2	17
Toluene	ND		20.0	20.13		ug/L		101	64 - 136	2	18
trans-1,2-Dichloroethene	ND		20.0	18.90		ug/L		94	59 - 143	4	25
trans-1,3-Dichloropropene	ND		20.0	17.66		ug/L		88	63 - 142	3	18
Trichloroethene	ND		20.0	20.69		ug/L		103	63 - 135	1	17
Trichlorofluoromethane	ND		20.0	20.71		ug/L		104	44 - 150	1	32
Vinyl chloride	ND		20.0	23.43		ug/L		117	57 - 150	2	37
Xylenes, Total	ND		40.0	37.79		ug/L		94	69 - 132	0	17

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	94		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: MB 490-420345/7**

**Matrix: Water**

**Analysis Batch: 420345**

**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			04/07/17 02:29	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 02:29	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 02:29	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 02:29	1

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: MB 490-420345/7**

**Matrix: Water**

**Analysis Batch: 420345**

**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			04/07/17 02:29	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 02:29	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 02:29	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 02:29	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 02:29	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 02:29	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 02:29	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 02:29	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 02:29	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 02:29	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 02:29	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 02:29	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 02:29	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 02:29	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 02:29	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 02:29	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 02:29	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 02:29	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 02:29	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 02:29	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 02:29	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 02:29	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 02:29	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 02:29	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 02:29	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 02:29	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 02:29	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 02:29	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 02:29	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 02:29	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 02:29	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 02:29	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 02:29	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 02:29	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 02:29	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 02:29	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 02:29	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 02:29	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 02:29	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 02:29	1
Naphthalene	ND		5.00	0.210	ug/L			04/07/17 02:29	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 02:29	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:29	1

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: MB 490-420345/7**

**Matrix: Water**

**Analysis Batch: 420345**

**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			04/07/17 02:29	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 02:29	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/07/17 02:29	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 02:29	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 02:29	1
Trichloroethene	ND		1.00	0.200	ug/L			04/07/17 02:29	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 02:29	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 02:29	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 02:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		70 - 130		04/07/17 02:29	1
4-Bromofluorobenzene (Surr)	90		70 - 130		04/07/17 02:29	1
Dibromofluoromethane (Surr)	95		70 - 130		04/07/17 02:29	1
Toluene-d8 (Surr)	96		70 - 130		04/07/17 02:29	1

**Lab Sample ID: LCS 490-420345/3**

**Matrix: Water**

**Analysis Batch: 420345**

**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	18.70		ug/L		93	70 - 130
1,1,1-Trichloroethane	20.0	16.90		ug/L		85	70 - 135
1,1,2,2-Tetrachloroethane	20.0	19.03		ug/L		95	69 - 131
1,1,2-Trichloroethane	20.0	18.75		ug/L		94	70 - 130
1,1-Dichloroethane	20.0	17.03		ug/L		85	70 - 130
1,1-Dichloroethene	20.0	18.10		ug/L		90	70 - 132
1,1-Dichloropropene	20.0	18.06		ug/L		90	70 - 130
1,2,3-Trichlorobenzene	20.0	17.97		ug/L		90	46 - 150
1,2,3-Trichloropropane	20.0	16.55		ug/L		83	70 - 131
1,2,4-Trichlorobenzene	20.0	17.82		ug/L		89	58 - 147
1,2,4-Trimethylbenzene	20.0	18.95		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	17.84		ug/L		89	45 - 138
1,2-Dibromoethane (EDB)	20.0	17.72		ug/L		89	70 - 130
1,2-Dichlorobenzene	20.0	18.90		ug/L		94	70 - 130
1,2-Dichloroethane	20.0	15.32		ug/L		77	70 - 130
1,2-Dichloropropane	20.0	18.38		ug/L		92	70 - 130
1,3,5-Trimethylbenzene	20.0	18.74		ug/L		94	70 - 130
1,3-Dichlorobenzene	20.0	18.62		ug/L		93	70 - 130
1,3-Dichloropropane	20.0	18.29		ug/L		91	70 - 130
1,4-Dichlorobenzene	20.0	18.50		ug/L		92	70 - 130
2,2-Dichloropropane	20.0	15.85		ug/L		79	60 - 143
2-Butanone (MEK)	100	79.16		ug/L		79	55 - 143
2-Chlorotoluene	20.0	19.02		ug/L		95	70 - 130
2-Hexanone	100	85.04		ug/L		85	54 - 142

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: LCS 490-420345/3**

**Matrix: Water**

**Analysis Batch: 420345**

**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	17.89		ug/L		89	70 - 130
4-Methyl-2-pentanone (MIBK)	100	88.00		ug/L		88	60 - 137
Acetone	100	78.61		ug/L		79	39 - 150
Benzene	20.0	18.70		ug/L		93	70 - 130
Bromobenzene	20.0	18.89		ug/L		94	70 - 130
Bromochloromethane	20.0	17.62		ug/L		88	70 - 130
Bromodichloromethane	20.0	17.40		ug/L		87	70 - 130
Bromoform	20.0	18.64		ug/L		93	70 - 137
Bromomethane	20.0	16.13		ug/L		81	53 - 150
Carbon disulfide	20.0	18.73		ug/L		94	64 - 135
Carbon tetrachloride	20.0	18.20		ug/L		91	70 - 147
Chlorobenzene	20.0	18.48		ug/L		92	70 - 130
Chlorodibromomethane	20.0	18.86		ug/L		94	70 - 133
Chloroethane	20.0	19.85		ug/L		99	60 - 138
Chloroform	20.0	16.83		ug/L		84	70 - 130
Chloromethane	20.0	20.29		ug/L		101	33 - 150
cis-1,2-Dichloroethene	20.0	18.15		ug/L		91	70 - 130
cis-1,3-Dichloropropene	20.0	17.93		ug/L		90	70 - 133
Dibromomethane	20.0	17.58		ug/L		88	70 - 130
Dichlorodifluoromethane	20.0	19.39		ug/L		97	48 - 150
Ethylbenzene	20.0	18.41		ug/L		92	70 - 130
Hexachlorobutadiene	20.0	19.07		ug/L		95	70 - 138
Isopropylbenzene	20.0	18.15		ug/L		91	70 - 131
Methyl tert-butyl ether	20.0	16.21		ug/L		81	70 - 130
Methylene Chloride	20.0	18.33		ug/L		92	70 - 130
Naphthalene	20.0	17.78		ug/L		89	54 - 150
n-Butylbenzene	20.0	17.93		ug/L		90	68 - 137
N-Propylbenzene	20.0	19.24		ug/L		96	70 - 134
p-Isopropyltoluene	20.0	18.94		ug/L		95	66 - 130
sec-Butylbenzene	20.0	18.70		ug/L		93	70 - 135
Styrene	20.0	17.87		ug/L		89	70 - 130
tert-Butylbenzene	20.0	18.75		ug/L		94	70 - 130
Tetrachloroethene	20.0	18.62		ug/L		93	70 - 130
Toluene	20.0	18.81		ug/L		94	70 - 130
trans-1,2-Dichloroethene	20.0	16.62		ug/L		83	70 - 130
trans-1,3-Dichloropropene	20.0	17.00		ug/L		85	63 - 142
Trichloroethene	20.0	18.79		ug/L		94	70 - 130
Trichlorofluoromethane	20.0	17.59		ug/L		88	59 - 150
Vinyl chloride	20.0	20.94		ug/L		105	57 - 137
Xylenes, Total	40.0	35.40		ug/L		89	70 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	83		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	93		70 - 130
Toluene-d8 (Surr)	95		70 - 130

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

Lab Sample ID: LCSD 490-420345/4

Matrix: Water

Analysis Batch: 420345

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	18.94		ug/L		95	70 - 130	1	13
1,1,1-Trichloroethane	20.0	17.13		ug/L		86	70 - 135	1	15
1,1,2,2-Tetrachloroethane	20.0	19.19		ug/L		96	69 - 131	1	15
1,1,2-Trichloroethane	20.0	18.91		ug/L		95	70 - 130	1	13
1,1-Dichloroethane	20.0	16.42		ug/L		82	70 - 130	4	17
1,1-Dichloroethene	20.0	19.18		ug/L		96	70 - 132	6	20
1,1-Dichloropropene	20.0	18.19		ug/L		91	70 - 130	1	16
1,2,3-Trichlorobenzene	20.0	18.30		ug/L		92	46 - 150	2	16
1,2,3-Trichloropropane	20.0	16.69		ug/L		83	70 - 131	1	14
1,2,4-Trichlorobenzene	20.0	18.11		ug/L		91	58 - 147	2	15
1,2,4-Trimethylbenzene	20.0	19.34		ug/L		97	70 - 130	2	13
1,2-Dibromo-3-Chloropropane	20.0	17.92		ug/L		90	45 - 138	0	19
1,2-Dibromoethane (EDB)	20.0	17.74		ug/L		89	70 - 130	0	13
1,2-Dichlorobenzene	20.0	19.07		ug/L		95	70 - 130	1	12
1,2-Dichloroethane	20.0	15.43		ug/L		77	70 - 130	1	13
1,2-Dichloropropane	20.0	18.55		ug/L		93	70 - 130	1	15
1,3,5-Trimethylbenzene	20.0	18.89		ug/L		94	70 - 130	1	14
1,3-Dichlorobenzene	20.0	18.76		ug/L		94	70 - 130	1	13
1,3-Dichloropropane	20.0	18.49		ug/L		92	70 - 130	1	12
1,4-Dichlorobenzene	20.0	18.60		ug/L		93	70 - 130	1	12
2,2-Dichloropropane	20.0	16.20		ug/L		81	60 - 143	2	20
2-Butanone (MEK)	100	80.66		ug/L		81	55 - 143	2	19
2-Chlorotoluene	20.0	19.25		ug/L		96	70 - 130	1	15
2-Hexanone	100	85.21		ug/L		85	54 - 142	0	17
4-Chlorotoluene	20.0	18.57		ug/L		93	70 - 130	4	15
4-Methyl-2-pentanone (MIBK)	100	88.56		ug/L		89	60 - 137	1	21
Acetone	100	81.04		ug/L		81	39 - 150	3	23
Benzene	20.0	19.07		ug/L		95	70 - 130	2	12
Bromobenzene	20.0	18.88		ug/L		94	70 - 130	0	16
Bromochloromethane	20.0	17.25		ug/L		86	70 - 130	2	16
Bromodichloromethane	20.0	17.62		ug/L		88	70 - 130	1	14
Bromoform	20.0	18.96		ug/L		95	70 - 137	2	14
Bromomethane	20.0	15.76		ug/L		79	53 - 150	2	19
Carbon disulfide	20.0	18.85		ug/L		94	64 - 135	1	16
Carbon tetrachloride	20.0	18.29		ug/L		91	70 - 147	1	16
Chlorobenzene	20.0	18.62		ug/L		93	70 - 130	1	12
Chlorodibromomethane	20.0	19.45		ug/L		97	70 - 133	3	13
Chloroethane	20.0	19.99		ug/L		100	60 - 138	1	15
Chloroform	20.0	17.26		ug/L		86	70 - 130	3	14
Chloromethane	20.0	20.42		ug/L		102	33 - 150	1	20
cis-1,2-Dichloroethene	20.0	18.53		ug/L		93	70 - 130	2	15
cis-1,3-Dichloropropene	20.0	18.14		ug/L		91	70 - 133	1	15
Dibromomethane	20.0	17.95		ug/L		90	70 - 130	2	14
Dichlorodifluoromethane	20.0	19.44		ug/L		97	48 - 150	0	16
Ethylbenzene	20.0	18.47		ug/L		92	70 - 130	0	12
Hexachlorobutadiene	20.0	19.38		ug/L		97	70 - 138	2	16
Isopropylbenzene	20.0	18.45		ug/L		92	70 - 131	2	13
Methyl tert-butyl ether	20.0	16.97		ug/L		85	70 - 130	5	16

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: LCSD 490-420345/4**

**Matrix: Water**

**Analysis Batch: 420345**

**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
Methylene Chloride	20.0	18.41		ug/L		92	70 - 130	0	15
Naphthalene	20.0	17.87		ug/L		89	54 - 150	1	15
n-Butylbenzene	20.0	17.94		ug/L		90	68 - 137	0	14
N-Propylbenzene	20.0	19.55		ug/L		98	70 - 134	2	14
p-Isopropyltoluene	20.0	18.99		ug/L		95	66 - 130	0	13
sec-Butylbenzene	20.0	18.87		ug/L		94	70 - 135	1	14
Styrene	20.0	18.20		ug/L		91	70 - 130	2	12
tert-Butylbenzene	20.0	19.25		ug/L		96	70 - 130	3	14
Tetrachloroethene	20.0	18.86		ug/L		94	70 - 130	1	17
Toluene	20.0	19.06		ug/L		95	70 - 130	1	13
trans-1,2-Dichloroethene	20.0	17.26		ug/L		86	70 - 130	4	15
trans-1,3-Dichloropropene	20.0	17.39		ug/L		87	63 - 142	2	13
Trichloroethene	20.0	18.86		ug/L		94	70 - 130	0	14
Trichlorofluoromethane	20.0	18.39		ug/L		92	59 - 150	4	22
Vinyl chloride	20.0	20.80		ug/L		104	57 - 137	1	15
Xylenes, Total	40.0	35.95		ug/L		90	70 - 132	2	11

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	83		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
Toluene-d8 (Surr)	95		70 - 130

**Lab Sample ID: 490-125267-4 MS**

**Matrix: Water**

**Analysis Batch: 420345**

**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		200	185.8		ug/L		93	70 - 131
1,1,1-Trichloroethane	ND		200	172.8		ug/L		86	68 - 144
1,1,2,2-Tetrachloroethane	ND		200	176.0		ug/L		88	56 - 145
1,1,2-Trichloroethane	ND		200	182.5		ug/L		91	70 - 130
1,1-Dichloroethane	ND		200	161.5		ug/L		81	61 - 139
1,1-Dichloroethene	ND		200	183.8		ug/L		92	54 - 150
1,1-Dichloropropene	ND		200	176.7		ug/L		88	54 - 150
1,2,3-Trichlorobenzene	ND		200	169.5		ug/L		85	36 - 150
1,2,3-Trichloropropane	ND		200	155.6		ug/L		78	65 - 131
1,2,4-Trichlorobenzene	ND		200	165.2		ug/L		83	47 - 147
1,2,4-Trimethylbenzene	ND		200	185.7		ug/L		93	64 - 136
1,2-Dibromo-3-Chloropropane	ND		200	170.1		ug/L		85	38 - 138
1,2-Dibromoethane (EDB)	ND		200	169.7		ug/L		85	65 - 137
1,2-Dichlorobenzene	ND		200	180.8		ug/L		90	70 - 130
1,2-Dichloroethane	ND		200	155.0		ug/L		78	64 - 136
1,2-Dichloropropane	ND		200	184.5		ug/L		92	67 - 130
1,3,5-Trimethylbenzene	ND		200	181.7		ug/L		91	69 - 139
1,3-Dichlorobenzene	ND		200	180.3		ug/L		90	68 - 131
1,3-Dichloropropane	ND		200	176.3		ug/L		88	70 - 130
1,4-Dichlorobenzene	ND		200	180.0		ug/L		90	70 - 130

TestAmerica Nashville



# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

Lab Sample ID: 490-125267-4 MS

Matrix: Water

Analysis Batch: 420345

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
2,2-Dichloropropane	ND		200	139.4		ug/L		70	50 - 146
2-Butanone (MEK)	ND		1000	774.0		ug/L		77	50 - 143
2-Chlorotoluene	ND		200	184.7		ug/L		92	67 - 138
2-Hexanone	ND		1000	777.3		ug/L		78	44 - 150
4-Chlorotoluene	ND		200	177.4		ug/L		89	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		1000	806.6		ug/L		81	50 - 140
Acetone	ND		1000	777.2		ug/L		78	39 - 150
Benzene	ND		200	188.5		ug/L		94	55 - 147
Bromobenzene	ND		200	180.3		ug/L		90	60 - 133
Bromochloromethane	ND		200	175.9		ug/L		88	59 - 132
Bromodichloromethane	ND		200	178.4		ug/L		89	70 - 140
Bromoform	ND		200	182.4		ug/L		91	53 - 150
Bromomethane	ND		200	154.1		ug/L		77	30 - 150
Carbon disulfide	ND		200	181.0		ug/L		91	35 - 150
Carbon tetrachloride	ND		200	188.6		ug/L		94	56 - 150
Chlorobenzene	ND		200	184.1		ug/L		92	70 - 130
Chlorodibromomethane	ND		200	183.6		ug/L		92	66 - 140
Chloroethane	ND		200	187.4		ug/L		94	58 - 141
Chloroform	ND		200	174.3		ug/L		87	66 - 138
Chloromethane	ND		200	200.2		ug/L		100	10 - 150
cis-1,2-Dichloroethene	ND		200	182.5		ug/L		91	68 - 131
cis-1,3-Dichloropropene	ND		200	169.5		ug/L		85	70 - 133
Dibromomethane	ND		200	177.1		ug/L		89	70 - 130
Dichlorodifluoromethane	ND		200	201.1		ug/L		101	10 - 150
Ethylbenzene	ND		200	177.9		ug/L		89	65 - 139
Hexachlorobutadiene	ND		200	178.3		ug/L		89	61 - 141
Isopropylbenzene	ND		200	178.6		ug/L		89	70 - 137
Methyl tert-butyl ether	ND		200	162.5		ug/L		81	55 - 141
Methylene Chloride	ND		200	184.6		ug/L		92	64 - 130
Naphthalene	ND		200	162.0		ug/L		81	32 - 150
n-Butylbenzene	ND		200	169.1		ug/L		85	61 - 141
N-Propylbenzene	ND		200	186.5		ug/L		93	53 - 150
p-Isopropyltoluene	ND		200	178.1		ug/L		89	66 - 137
sec-Butylbenzene	ND		200	183.0		ug/L		91	55 - 136
Styrene	ND		200	177.6		ug/L		89	70 - 130
tert-Butylbenzene	ND		200	183.8		ug/L		92	70 - 138
Tetrachloroethene	ND		200	188.4		ug/L		94	57 - 138
Toluene	ND		200	188.5		ug/L		94	64 - 136
trans-1,2-Dichloroethene	ND		200	164.0		ug/L		82	59 - 143
trans-1,3-Dichloropropene	ND		200	158.3		ug/L		79	63 - 142
Trichloroethene	6720	E	200	6220	E 4	ug/L		-249	63 - 135
Trichlorofluoromethane	ND		200	189.6		ug/L		95	44 - 150
Vinyl chloride	ND		200	204.9		ug/L		102	57 - 150
Xylenes, Total	ND		400	343.7		ug/L		86	69 - 132

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130

TestAmerica Nashville



# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125267-4 MS**  
**Matrix: Water**  
**Analysis Batch: 420345**

**Client Sample ID: MW-5**  
**Prep Type: Total/NA**

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	95		70 - 130
Toluene-d8 (Surr)	94		70 - 130

**Lab Sample ID: 490-125267-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 420345**

**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		200	184.4		ug/L		92	70 - 131	1	16
1,1,1-Trichloroethane	ND		200	171.7		ug/L		86	68 - 144	1	17
1,1,2,2-Tetrachloroethane	ND		200	180.7		ug/L		90	56 - 145	3	19
1,1,2-Trichloroethane	ND		200	182.3		ug/L		91	70 - 130	0	18
1,1-Dichloroethane	ND		200	165.8		ug/L		83	61 - 139	3	23
1,1-Dichloroethene	ND		200	181.7		ug/L		91	54 - 150	1	24
1,1-Dichloropropene	ND		200	174.9		ug/L		87	54 - 150	1	24
1,2,3-Trichlorobenzene	ND		200	171.7		ug/L		86	36 - 150	1	43
1,2,3-Trichloropropane	ND		200	159.2		ug/L		80	65 - 131	2	19
1,2,4-Trichlorobenzene	ND		200	170.2		ug/L		85	47 - 147	3	24
1,2,4-Trimethylbenzene	ND		200	179.7		ug/L		90	64 - 136	3	18
1,2-Dibromo-3-Chloropropane	ND		200	166.8		ug/L		83	38 - 138	2	26
1,2-Dibromoethane (EDB)	ND		200	168.8		ug/L		84	65 - 137	1	21
1,2-Dichlorobenzene	ND		200	180.6		ug/L		90	70 - 130	0	15
1,2-Dichloroethane	ND		200	150.5		ug/L		75	64 - 136	3	22
1,2-Dichloropropane	ND		200	181.2		ug/L		91	67 - 130	2	19
1,3,5-Trimethylbenzene	ND		200	180.4		ug/L		90	69 - 139	1	17
1,3-Dichlorobenzene	ND		200	178.8		ug/L		89	68 - 131	1	14
1,3-Dichloropropane	ND		200	176.7		ug/L		88	70 - 130	0	17
1,4-Dichlorobenzene	ND		200	176.5		ug/L		88	70 - 130	2	14
2,2-Dichloropropane	ND		200	138.5		ug/L		69	50 - 146	1	20
2-Butanone (MEK)	ND		1000	802.5		ug/L		80	50 - 143	4	28
2-Chlorotoluene	ND		200	184.3		ug/L		92	67 - 138	0	17
2-Hexanone	ND		1000	792.1		ug/L		79	44 - 150	2	21
4-Chlorotoluene	ND		200	175.9		ug/L		88	69 - 138	1	15
4-Methyl-2-pentanone (MIBK)	ND		1000	808.7		ug/L		81	50 - 140	0	24
Acetone	ND		1000	827.9		ug/L		83	39 - 150	6	28
Benzene	ND		200	184.1		ug/L		92	55 - 147	2	22
Bromobenzene	ND		200	182.4		ug/L		91	60 - 133	1	18
Bromochloromethane	ND		200	174.6		ug/L		87	59 - 132	1	21
Bromodichloromethane	ND		200	174.3		ug/L		87	70 - 140	2	196
Bromoform	ND		200	180.1		ug/L		90	53 - 150	1	20
Bromomethane	ND		200	150.9		ug/L		75	30 - 150	2	44
Carbon disulfide	ND		200	179.2		ug/L		90	35 - 150	1	34
Carbon tetrachloride	ND		200	179.3		ug/L		90	56 - 150	5	18
Chlorobenzene	ND		200	180.1		ug/L		90	70 - 130	2	15
Chlorodibromomethane	ND		200	185.4		ug/L		93	66 - 140	1	19
Chloroethane	ND		200	181.4		ug/L		91	58 - 141	3	31
Chloroform	ND		200	169.1		ug/L		85	66 - 138	3	21
Chloromethane	ND		200	197.1		ug/L		99	10 - 150	2	43

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125267-4 MSD**

**Matrix: Water**

**Analysis Batch: 420345**

**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
cis-1,2-Dichloroethene	ND		200	178.6		ug/L		89	68 - 131	2	21
cis-1,3-Dichloropropene	ND		200	169.6		ug/L		85	70 - 133	0	19
Dibromomethane	ND		200	177.3		ug/L		89	70 - 130	0	19
Dichlorodifluoromethane	ND		200	195.9		ug/L		98	10 - 150	3	50
Ethylbenzene	ND		200	176.1		ug/L		88	65 - 139	1	18
Hexachlorobutadiene	ND		200	179.1		ug/L		90	61 - 141	0	26
Isopropylbenzene	ND		200	176.9		ug/L		88	70 - 137	1	17
Methyl tert-butyl ether	ND		200	162.8		ug/L		81	55 - 141	0	24
Methylene Chloride	ND		200	184.2		ug/L		92	64 - 130	0	22
Naphthalene	ND		200	164.2		ug/L		82	32 - 150	1	40
n-Butylbenzene	ND		200	165.6		ug/L		83	61 - 141	2	17
N-Propylbenzene	ND		200	185.7		ug/L		93	53 - 150	0	18
p-Isopropyltoluene	ND		200	179.3		ug/L		90	66 - 137	1	16
sec-Butylbenzene	ND		200	177.3		ug/L		89	55 - 136	3	50
Styrene	ND		200	174.7		ug/L		87	70 - 130	2	16
tert-Butylbenzene	ND		200	182.7		ug/L		91	70 - 138	1	17
Tetrachloroethene	ND		200	184.4		ug/L		92	57 - 138	2	17
Toluene	ND		200	185.7		ug/L		93	64 - 136	2	18
trans-1,2-Dichloroethene	ND		200	165.8		ug/L		83	59 - 143	1	25
trans-1,3-Dichloropropene	ND		200	157.3		ug/L		79	63 - 142	1	18
Trichloroethene	6720	E	200	5987	E 4	ug/L		-365	63 - 135	4	17
Trichlorofluoromethane	ND		200	184.6		ug/L		92	44 - 150	3	32
Vinyl chloride	ND		200	202.8		ug/L		101	57 - 150	1	37
Xylenes, Total	ND		400	344.9		ug/L		86	69 - 132	0	17

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	83		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	94		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: MB 490-420605/7**

**Matrix: Water**

**Analysis Batch: 420605**

**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			04/07/17 15:18	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 15:18	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/07/17 15:18	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/07/17 15:18	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/07/17 15:18	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/07/17 15:18	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/07/17 15:18	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/07/17 15:18	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/07/17 15:18	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/07/17 15:18	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/07/17 15:18	1

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: MB 490-420605/7**

**Matrix: Water**

**Analysis Batch: 420605**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/07/17 15:18	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/07/17 15:18	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/07/17 15:18	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/07/17 15:18	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/07/17 15:18	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/07/17 15:18	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/07/17 15:18	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/07/17 15:18	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/07/17 15:18	1
2-Hexanone	ND		10.0	1.28	ug/L			04/07/17 15:18	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/07/17 15:18	1
Acetone	ND		25.0	2.66	ug/L			04/07/17 15:18	1
Benzene	ND		1.00	0.200	ug/L			04/07/17 15:18	1
Bromobenzene	ND		1.00	0.210	ug/L			04/07/17 15:18	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/07/17 15:18	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/07/17 15:18	1
Bromoform	ND		1.00	0.290	ug/L			04/07/17 15:18	1
Bromomethane	ND		1.00	0.350	ug/L			04/07/17 15:18	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/07/17 15:18	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/07/17 15:18	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/07/17 15:18	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/07/17 15:18	1
Chloroethane	ND		1.00	0.360	ug/L			04/07/17 15:18	1
Chloroform	ND		1.00	0.230	ug/L			04/07/17 15:18	1
Chloromethane	ND		1.00	0.360	ug/L			04/07/17 15:18	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/07/17 15:18	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
Dibromomethane	ND		1.00	0.450	ug/L			04/07/17 15:18	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/07/17 15:18	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/07/17 15:18	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/07/17 15:18	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/07/17 15:18	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/07/17 15:18	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/07/17 15:18	1
Naphthalene	ND		5.00	0.210	ug/L			04/07/17 15:18	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/07/17 15:18	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
Styrene	ND		1.00	0.280	ug/L			04/07/17 15:18	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/07/17 15:18	1
Toluene	ND		1.00	0.170	ug/L			04/07/17 15:18	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/07/17 15:18	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/07/17 15:18	1

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: MB 490-420605/7**  
**Matrix: Water**  
**Analysis Batch: 420605**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.00	0.200	ug/L			04/07/17 15:18	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/07/17 15:18	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/07/17 15:18	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/07/17 15:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		70 - 130		04/07/17 15:18	1
4-Bromofluorobenzene (Surr)	88		70 - 130		04/07/17 15:18	1
Dibromofluoromethane (Surr)	92		70 - 130		04/07/17 15:18	1
Toluene-d8 (Surr)	96		70 - 130		04/07/17 15:18	1

**Lab Sample ID: LCS 490-420605/3**  
**Matrix: Water**  
**Analysis Batch: 420605**

**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	18.74		ug/L		94	70 - 130
1,1,1-Trichloroethane	20.0	17.52		ug/L		88	70 - 135
1,1,2,2-Tetrachloroethane	20.0	19.13		ug/L		96	69 - 131
1,1,2-Trichloroethane	20.0	19.08		ug/L		95	70 - 130
1,1-Dichloroethane	20.0	17.56		ug/L		88	70 - 130
1,1-Dichloroethene	20.0	19.34		ug/L		97	70 - 132
1,1-Dichloropropene	20.0	18.32		ug/L		92	70 - 130
1,2,3-Trichlorobenzene	20.0	19.43		ug/L		97	46 - 150
1,2,3-Trichloropropane	20.0	16.65		ug/L		83	70 - 131
1,2,4-Trichlorobenzene	20.0	18.87		ug/L		94	58 - 147
1,2,4-Trimethylbenzene	20.0	18.84		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.55		ug/L		93	45 - 138
1,2-Dibromoethane (EDB)	20.0	18.02		ug/L		90	70 - 130
1,2-Dichlorobenzene	20.0	18.79		ug/L		94	70 - 130
1,2-Dichloroethane	20.0	16.32		ug/L		82	70 - 130
1,2-Dichloropropane	20.0	18.66		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	20.0	18.86		ug/L		94	70 - 130
1,3-Dichlorobenzene	20.0	18.80		ug/L		94	70 - 130
1,3-Dichloropropane	20.0	18.37		ug/L		92	70 - 130
1,4-Dichlorobenzene	20.0	18.89		ug/L		94	70 - 130
2,2-Dichloropropane	20.0	18.03		ug/L		90	60 - 143
2-Butanone (MEK)	100	86.13		ug/L		86	55 - 143
2-Chlorotoluene	20.0	18.69		ug/L		93	70 - 130
2-Hexanone	100	88.49		ug/L		88	54 - 142
4-Chlorotoluene	20.0	18.81		ug/L		94	70 - 130
4-Methyl-2-pentanone (MIBK)	100	88.15		ug/L		88	60 - 137
Acetone	100	91.11		ug/L		91	39 - 150
Benzene	20.0	18.93		ug/L		95	70 - 130
Bromobenzene	20.0	18.64		ug/L		93	70 - 130
Bromochloromethane	20.0	17.70		ug/L		88	70 - 130
Bromodichloromethane	20.0	17.99		ug/L		90	70 - 130
Bromoform	20.0	19.22		ug/L		96	70 - 137

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: LCS 490-420605/3**

**Matrix: Water**

**Analysis Batch: 420605**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	20.0	18.34		ug/L		92	53 - 150
Carbon disulfide	20.0	19.56		ug/L		98	64 - 135
Carbon tetrachloride	20.0	18.59		ug/L		93	70 - 147
Chlorobenzene	20.0	18.71		ug/L		94	70 - 130
Chlorodibromomethane	20.0	19.32		ug/L		97	70 - 133
Chloroethane	20.0	20.20		ug/L		101	60 - 138
Chloroform	20.0	17.10		ug/L		85	70 - 130
Chloromethane	20.0	21.25		ug/L		106	33 - 150
cis-1,2-Dichloroethene	20.0	17.92		ug/L		90	70 - 130
cis-1,3-Dichloropropene	20.0	18.29		ug/L		91	70 - 133
Dibromomethane	20.0	18.31		ug/L		92	70 - 130
Dichlorodifluoromethane	20.0	21.66		ug/L		108	48 - 150
Ethylbenzene	20.0	18.30		ug/L		91	70 - 130
Hexachlorobutadiene	20.0	19.53		ug/L		98	70 - 138
Isopropylbenzene	20.0	18.48		ug/L		92	70 - 131
Methyl tert-butyl ether	20.0	17.46		ug/L		87	70 - 130
Methylene Chloride	20.0	19.07		ug/L		95	70 - 130
Naphthalene	20.0	18.76		ug/L		94	54 - 150
n-Butylbenzene	20.0	18.38		ug/L		92	68 - 137
N-Propylbenzene	20.0	19.65		ug/L		98	70 - 134
p-Isopropyltoluene	20.0	19.13		ug/L		96	66 - 130
sec-Butylbenzene	20.0	18.74		ug/L		94	70 - 135
Styrene	20.0	18.27		ug/L		91	70 - 130
tert-Butylbenzene	20.0	19.02		ug/L		95	70 - 130
Tetrachloroethene	20.0	19.23		ug/L		96	70 - 130
Toluene	20.0	19.33		ug/L		97	70 - 130
trans-1,2-Dichloroethene	20.0	17.74		ug/L		89	70 - 130
trans-1,3-Dichloropropene	20.0	17.48		ug/L		87	63 - 142
Trichloroethene	20.0	19.69		ug/L		98	70 - 130
Trichlorofluoromethane	20.0	18.59		ug/L		93	59 - 150
Vinyl chloride	20.0	21.59		ug/L		108	57 - 137
Xylenes, Total	40.0	35.91		ug/L		90	70 - 132

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: LCSD 490-420605/4**

**Matrix: Water**

**Analysis Batch: 420605**

**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	18.87		ug/L		94	70 - 130	1	13
1,1,1-Trichloroethane	20.0	17.20		ug/L		86	70 - 135	2	15
1,1,2,2-Tetrachloroethane	20.0	19.93		ug/L		100	69 - 131	4	15
1,1,2-Trichloroethane	20.0	19.01		ug/L		95	70 - 130	0	13

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

Lab Sample ID: LCSD 490-420605/4

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 420605

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	20.0	16.20		ug/L		81	70 - 130	8	17
1,1-Dichloroethene	20.0	18.95		ug/L		95	70 - 132	2	20
1,1-Dichloropropene	20.0	18.08		ug/L		90	70 - 130	1	16
1,2,3-Trichlorobenzene	20.0	19.71		ug/L		99	46 - 150	1	16
1,2,3-Trichloropropane	20.0	17.13		ug/L		86	70 - 131	3	14
1,2,4-Trichlorobenzene	20.0	18.94		ug/L		95	58 - 147	0	15
1,2,4-Trimethylbenzene	20.0	19.09		ug/L		95	70 - 130	1	13
1,2-Dibromo-3-Chloropropane	20.0	19.48		ug/L		97	45 - 138	5	19
1,2-Dibromoethane (EDB)	20.0	18.01		ug/L		90	70 - 130	0	13
1,2-Dichlorobenzene	20.0	19.30		ug/L		97	70 - 130	3	12
1,2-Dichloroethane	20.0	15.80		ug/L		79	70 - 130	3	13
1,2-Dichloropropane	20.0	18.41		ug/L		92	70 - 130	1	15
1,3,5-Trimethylbenzene	20.0	18.87		ug/L		94	70 - 130	0	14
1,3-Dichlorobenzene	20.0	19.03		ug/L		95	70 - 130	1	13
1,3-Dichloropropane	20.0	18.63		ug/L		93	70 - 130	1	12
1,4-Dichlorobenzene	20.0	18.87		ug/L		94	70 - 130	0	12
2,2-Dichloropropane	20.0	17.47		ug/L		87	60 - 143	3	20
2-Butanone (MEK)	100	84.03		ug/L		84	55 - 143	2	19
2-Chlorotoluene	20.0	19.04		ug/L		95	70 - 130	2	15
2-Hexanone	100	91.42		ug/L		91	54 - 142	3	17
4-Chlorotoluene	20.0	18.61		ug/L		93	70 - 130	1	15
4-Methyl-2-pentanone (MIBK)	100	91.60		ug/L		92	60 - 137	4	21
Acetone	100	91.10		ug/L		91	39 - 150	0	23
Benzene	20.0	18.95		ug/L		95	70 - 130	0	12
Bromobenzene	20.0	19.22		ug/L		96	70 - 130	3	16
Bromochloromethane	20.0	17.23		ug/L		86	70 - 130	3	16
Bromodichloromethane	20.0	17.88		ug/L		89	70 - 130	1	14
Bromoform	20.0	19.07		ug/L		95	70 - 137	1	14
Bromomethane	20.0	17.38		ug/L		87	53 - 150	5	19
Carbon disulfide	20.0	19.39		ug/L		97	64 - 135	1	16
Carbon tetrachloride	20.0	18.32		ug/L		92	70 - 147	1	16
Chlorobenzene	20.0	18.78		ug/L		94	70 - 130	0	12
Chlorodibromomethane	20.0	19.23		ug/L		96	70 - 133	0	13
Chloroethane	20.0	19.74		ug/L		99	60 - 138	2	15
Chloroform	20.0	16.86		ug/L		84	70 - 130	1	14
Chloromethane	20.0	20.70		ug/L		104	33 - 150	3	20
cis-1,2-Dichloroethene	20.0	17.54		ug/L		88	70 - 130	2	15
cis-1,3-Dichloropropene	20.0	18.19		ug/L		91	70 - 133	1	15
Dibromomethane	20.0	17.93		ug/L		90	70 - 130	2	14
Dichlorodifluoromethane	20.0	21.12		ug/L		106	48 - 150	3	16
Ethylbenzene	20.0	18.20		ug/L		91	70 - 130	1	12
Hexachlorobutadiene	20.0	20.04		ug/L		100	70 - 138	3	16
Isopropylbenzene	20.0	18.20		ug/L		91	70 - 131	1	13
Methyl tert-butyl ether	20.0	17.41		ug/L		87	70 - 130	0	16
Methylene Chloride	20.0	18.85		ug/L		94	70 - 130	1	15
Naphthalene	20.0	19.46		ug/L		97	54 - 150	4	15
n-Butylbenzene	20.0	18.53		ug/L		93	68 - 137	1	14
N-Propylbenzene	20.0	19.56		ug/L		98	70 - 134	0	14

TestAmerica Nashville



# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: LCSD 490-420605/4**  
**Matrix: Water**  
**Analysis Batch: 420605**

**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
p-Isopropyltoluene	20.0	19.14		ug/L		96	66 - 130	0	13
sec-Butylbenzene	20.0	19.11		ug/L		96	70 - 135	2	14
Styrene	20.0	18.00		ug/L		90	70 - 130	1	12
tert-Butylbenzene	20.0	19.13		ug/L		96	70 - 130	1	14
Tetrachloroethene	20.0	19.17		ug/L		96	70 - 130	0	17
Toluene	20.0	19.07		ug/L		95	70 - 130	1	13
trans-1,2-Dichloroethene	20.0	17.12		ug/L		86	70 - 130	4	15
trans-1,3-Dichloropropene	20.0	17.27		ug/L		86	63 - 142	1	13
Trichloroethene	20.0	18.93		ug/L		95	70 - 130	4	14
Trichlorofluoromethane	20.0	18.49		ug/L		92	59 - 150	1	22
Vinyl chloride	20.0	21.07		ug/L		105	57 - 137	2	15
Xylenes, Total	40.0	35.14		ug/L		88	70 - 132	2	11

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	84		70 - 130
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	90		70 - 130
Toluene-d8 (Surr)	96		70 - 130

**Lab Sample ID: 490-125295-B-12 MS**  
**Matrix: Water**  
**Analysis Batch: 420605**

**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	20.30		ug/L		101	70 - 131
1,1,1-Trichloroethane	ND		20.0	19.60		ug/L		98	68 - 144
1,1,1,2,2-Tetrachloroethane	ND		20.0	20.71		ug/L		104	56 - 145
1,1,1,2-Trichloroethane	ND		20.0	20.73		ug/L		104	70 - 130
1,1-Dichloroethane	ND		20.0	18.97		ug/L		95	61 - 139
1,1-Dichloroethene	ND		20.0	21.33		ug/L		107	54 - 150
1,1-Dichloropropene	ND		20.0	20.52		ug/L		103	54 - 150
1,2,3-Trichlorobenzene	ND		20.0	19.76		ug/L		99	36 - 150
1,2,3-Trichloropropane	ND		20.0	17.72		ug/L		89	65 - 131
1,2,4-Trichlorobenzene	ND		20.0	19.16		ug/L		96	47 - 147
1,2,4-Trimethylbenzene	ND		20.0	20.54		ug/L		103	64 - 136
1,2-Dibromo-3-Chloropropane	ND		20.0	19.73		ug/L		99	38 - 138
1,2-Dibromoethane (EDB)	ND		20.0	19.03		ug/L		95	65 - 137
1,2-Dichlorobenzene	ND		20.0	20.12		ug/L		101	70 - 130
1,2-Dichloroethane	ND		20.0	16.96		ug/L		85	64 - 136
1,2-Dichloropropane	ND		20.0	20.45		ug/L		102	67 - 130
1,3,5-Trimethylbenzene	ND		20.0	20.09		ug/L		100	69 - 139
1,3-Dichlorobenzene	ND		20.0	19.93		ug/L		100	68 - 131
1,3-Dichloropropane	ND		20.0	19.95		ug/L		100	70 - 130
1,4-Dichlorobenzene	ND		20.0	19.94		ug/L		100	70 - 130
2,2-Dichloropropane	ND		20.0	18.74		ug/L		94	50 - 146
2-Butanone (MEK)	ND		100	86.87		ug/L		87	50 - 143
2-Chlorotoluene	ND		20.0	20.61		ug/L		103	67 - 138
2-Hexanone	ND		100	93.76		ug/L		94	44 - 150

TestAmerica Nashville



# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125295-B-12 MS**  
**Matrix: Water**  
**Analysis Batch: 420605**

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Chlorotoluene	ND		20.0	20.03		ug/L		100	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		100	95.98		ug/L		96	50 - 140
Acetone	ND		100	98.22		ug/L		98	39 - 150
Benzene	ND		20.0	21.35		ug/L		107	55 - 147
Bromobenzene	ND		20.0	20.20		ug/L		101	60 - 133
Bromochloromethane	ND		20.0	19.03		ug/L		95	59 - 132
Bromodichloromethane	ND		20.0	19.42		ug/L		97	70 - 140
Bromoform	ND		20.0	20.62		ug/L		103	53 - 150
Bromomethane	ND		20.0	20.12		ug/L		101	30 - 150
Carbon disulfide	ND		20.0	20.97		ug/L		105	35 - 150
Carbon tetrachloride	ND		20.0	21.59		ug/L		108	56 - 150
Chlorobenzene	ND		20.0	20.66		ug/L		103	70 - 130
Chlorodibromomethane	ND		20.0	20.68		ug/L		103	66 - 140
Chloroethane	ND		20.0	23.02		ug/L		115	58 - 141
Chloroform	ND		20.0	18.86		ug/L		94	66 - 138
Chloromethane	ND		20.0	23.68		ug/L		118	10 - 150
cis-1,2-Dichloroethene	ND		20.0	19.52		ug/L		98	68 - 131
cis-1,3-Dichloropropene	ND		20.0	19.68		ug/L		98	70 - 133
Dibromomethane	ND		20.0	19.54		ug/L		98	70 - 130
Dichlorodifluoromethane	ND		20.0	25.24		ug/L		126	10 - 150
Ethylbenzene	ND		20.0	20.31		ug/L		102	65 - 139
Hexachlorobutadiene	ND		20.0	20.36		ug/L		102	61 - 141
Isopropylbenzene	ND		20.0	20.21		ug/L		101	70 - 137
Methyl tert-butyl ether	ND		20.0	18.44		ug/L		92	55 - 141
Methylene Chloride	ND		20.0	19.97		ug/L		100	64 - 130
Naphthalene	ND		20.0	19.48		ug/L		97	32 - 150
n-Butylbenzene	ND		20.0	19.49		ug/L		97	61 - 141
N-Propylbenzene	ND		20.0	21.06		ug/L		105	53 - 150
p-Isopropyltoluene	ND		20.0	20.19		ug/L		101	66 - 137
sec-Butylbenzene	ND		20.0	20.33		ug/L		102	55 - 136
Styrene	ND		20.0	19.94		ug/L		100	70 - 130
tert-Butylbenzene	ND		20.0	20.71		ug/L		104	70 - 138
Tetrachloroethene	ND		20.0	21.23		ug/L		106	57 - 138
Toluene	ND		20.0	21.12		ug/L		106	64 - 136
trans-1,2-Dichloroethene	ND		20.0	18.69		ug/L		93	59 - 143
trans-1,3-Dichloropropene	ND		20.0	18.36		ug/L		92	63 - 142
Trichloroethene	ND		20.0	21.84		ug/L		109	63 - 135
Trichlorofluoromethane	ND		20.0	22.78		ug/L		114	44 - 150
Vinyl chloride	ND		20.0	24.70		ug/L		124	57 - 150
Xylenes, Total	ND		40.0	39.45		ug/L		99	69 - 132

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	90		70 - 130
Toluene-d8 (Surr)	96		70 - 130

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125295-B-12 MSD**

**Matrix: Water**

**Analysis Batch: 420605**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND		20.0	20.48		ug/L		102	70 - 131	1	16
1,1,1-Trichloroethane	ND		20.0	20.20		ug/L		101	68 - 144	3	17
1,1,2,2-Tetrachloroethane	ND		20.0	20.89		ug/L		104	56 - 145	1	19
1,1,2-Trichloroethane	ND		20.0	20.18		ug/L		101	70 - 130	3	18
1,1-Dichloroethane	ND		20.0	19.06		ug/L		95	61 - 139	0	23
1,1-Dichloroethene	ND		20.0	21.57		ug/L		108	54 - 150	1	24
1,1-Dichloropropene	ND		20.0	20.97		ug/L		105	54 - 150	2	24
1,2,3-Trichlorobenzene	ND		20.0	20.52		ug/L		103	36 - 150	4	43
1,2,3-Trichloropropane	ND		20.0	18.07		ug/L		90	65 - 131	2	19
1,2,4-Trichlorobenzene	ND		20.0	20.21		ug/L		101	47 - 147	5	24
1,2,4-Trimethylbenzene	ND		20.0	20.57		ug/L		103	64 - 136	0	18
1,2-Dibromo-3-Chloropropane	ND		20.0	19.47		ug/L		97	38 - 138	1	26
1,2-Dibromoethane (EDB)	ND		20.0	19.53		ug/L		98	65 - 137	3	21
1,2-Dichlorobenzene	ND		20.0	20.35		ug/L		102	70 - 130	1	15
1,2-Dichloroethane	ND		20.0	16.94		ug/L		85	64 - 136	0	22
1,2-Dichloropropane	ND		20.0	20.78		ug/L		104	67 - 130	2	19
1,3,5-Trimethylbenzene	ND		20.0	20.64		ug/L		103	69 - 139	3	17
1,3-Dichlorobenzene	ND		20.0	20.28		ug/L		101	68 - 131	2	14
1,3-Dichloropropane	ND		20.0	19.94		ug/L		100	70 - 130	0	17
1,4-Dichlorobenzene	ND		20.0	20.20		ug/L		101	70 - 130	1	14
2,2-Dichloropropane	ND		20.0	19.08		ug/L		95	50 - 146	2	20
2-Butanone (MEK)	ND		100	89.50		ug/L		89	50 - 143	3	28
2-Chlorotoluene	ND		20.0	21.23		ug/L		106	67 - 138	3	17
2-Hexanone	ND		100	92.44		ug/L		92	44 - 150	1	21
4-Chlorotoluene	ND		20.0	20.65		ug/L		103	69 - 138	3	15
4-Methyl-2-pentanone (MIBK)	ND		100	97.96		ug/L		98	50 - 140	2	24
Acetone	ND		100	93.73		ug/L		94	39 - 150	5	28
Benzene	ND		20.0	21.26		ug/L		106	55 - 147	0	22
Bromobenzene	ND		20.0	20.74		ug/L		104	60 - 133	3	18
Bromochloromethane	ND		20.0	20.23		ug/L		101	59 - 132	6	21
Bromodichloromethane	ND		20.0	19.68		ug/L		98	70 - 140	1	196
Bromoform	ND		20.0	20.50		ug/L		103	53 - 150	1	20
Bromomethane	ND		20.0	20.81		ug/L		104	30 - 150	3	44
Carbon disulfide	ND		20.0	21.25		ug/L		106	35 - 150	1	34
Carbon tetrachloride	ND		20.0	21.73		ug/L		109	56 - 150	1	18
Chlorobenzene	ND		20.0	20.85		ug/L		104	70 - 130	1	15
Chlorodibromomethane	ND		20.0	21.17		ug/L		106	66 - 140	2	19
Chloroethane	ND		20.0	23.29		ug/L		116	58 - 141	1	31
Chloroform	ND		20.0	19.41		ug/L		97	66 - 138	3	21
Chloromethane	ND		20.0	23.79		ug/L		119	10 - 150	0	43
cis-1,2-Dichloroethene	ND		20.0	19.85		ug/L		99	68 - 131	2	21
cis-1,3-Dichloropropene	ND		20.0	19.98		ug/L		100	70 - 133	2	19
Dibromomethane	ND		20.0	19.57		ug/L		98	70 - 130	0	19
Dichlorodifluoromethane	ND		20.0	26.00		ug/L		130	10 - 150	3	50
Ethylbenzene	ND		20.0	20.48		ug/L		102	65 - 139	1	18
Hexachlorobutadiene	ND		20.0	21.16		ug/L		106	61 - 141	4	26
Isopropylbenzene	ND		20.0	20.58		ug/L		103	70 - 137	2	17
Methyl tert-butyl ether	ND		20.0	18.17		ug/L		91	55 - 141	1	24

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125295-B-12 MSD**

**Matrix: Water**

**Analysis Batch: 420605**

**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
Methylene Chloride	ND		20.0	19.70		ug/L		98	64 - 130	1	22
Naphthalene	ND		20.0	19.89		ug/L		99	32 - 150	2	40
n-Butylbenzene	ND		20.0	19.95		ug/L		100	61 - 141	2	17
N-Propylbenzene	ND		20.0	21.70		ug/L		109	53 - 150	3	18
p-Isopropyltoluene	ND		20.0	20.83		ug/L		104	66 - 137	3	16
sec-Butylbenzene	ND		20.0	20.91		ug/L		105	55 - 136	3	50
Styrene	ND		20.0	20.17		ug/L		101	70 - 130	1	16
tert-Butylbenzene	ND		20.0	21.20		ug/L		106	70 - 138	2	17
Tetrachloroethene	ND		20.0	21.47		ug/L		107	57 - 138	1	17
Toluene	ND		20.0	21.45		ug/L		107	64 - 136	2	18
trans-1,2-Dichloroethene	ND		20.0	19.58		ug/L		98	59 - 143	5	25
trans-1,3-Dichloropropene	ND		20.0	18.93		ug/L		95	63 - 142	3	18
Trichloroethene	ND		20.0	21.72		ug/L		109	63 - 135	1	17
Trichlorofluoromethane	ND		20.0	22.11		ug/L		111	44 - 150	3	32
Vinyl chloride	ND		20.0	25.35		ug/L		127	57 - 150	3	37
Xylenes, Total	ND		40.0	39.61		ug/L		99	69 - 132	0	17

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	93		70 - 130
Toluene-d8 (Surr)	97		70 - 130

**Lab Sample ID: MB 490-421322/6**

**Matrix: Water**

**Analysis Batch: 421322**

**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			04/11/17 12:40	1
1,1,1-Trichloroethane	ND		1.00	0.190	ug/L			04/11/17 12:40	1
1,1,2,2-Tetrachloroethane	ND		1.00	0.190	ug/L			04/11/17 12:40	1
1,1,2-Trichloroethane	ND		1.00	0.190	ug/L			04/11/17 12:40	1
1,1-Dichloroethane	ND		1.00	0.240	ug/L			04/11/17 12:40	1
1,1-Dichloroethene	ND		1.00	0.250	ug/L			04/11/17 12:40	1
1,1-Dichloropropene	ND		1.00	0.200	ug/L			04/11/17 12:40	1
1,2,3-Trichlorobenzene	ND		1.00	0.230	ug/L			04/11/17 12:40	1
1,2,3-Trichloropropane	ND		1.00	0.230	ug/L			04/11/17 12:40	1
1,2,4-Trichlorobenzene	ND		1.00	0.200	ug/L			04/11/17 12:40	1
1,2,4-Trimethylbenzene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
1,2-Dibromo-3-Chloropropane	ND		10.0	0.940	ug/L			04/11/17 12:40	1
1,2-Dibromoethane (EDB)	ND		1.00	0.210	ug/L			04/11/17 12:40	1
1,2-Dichlorobenzene	ND		1.00	0.190	ug/L			04/11/17 12:40	1
1,2-Dichloroethane	ND		1.00	0.200	ug/L			04/11/17 12:40	1
1,2-Dichloropropane	ND		1.00	0.250	ug/L			04/11/17 12:40	1
1,3,5-Trimethylbenzene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
1,3-Dichlorobenzene	ND		1.00	0.180	ug/L			04/11/17 12:40	1
1,3-Dichloropropane	ND		1.00	0.190	ug/L			04/11/17 12:40	1
1,4-Dichlorobenzene	ND		1.00	0.170	ug/L			04/11/17 12:40	1

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: MB 490-421322/6**  
**Matrix: Water**  
**Analysis Batch: 421322**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		1.00	0.160	ug/L			04/11/17 12:40	1
2-Butanone (MEK)	ND		50.0	2.64	ug/L			04/11/17 12:40	1
2-Chlorotoluene	ND		1.00	0.180	ug/L			04/11/17 12:40	1
2-Hexanone	ND		10.0	1.28	ug/L			04/11/17 12:40	1
4-Chlorotoluene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
4-Methyl-2-pentanone (MIBK)	ND		10.0	0.810	ug/L			04/11/17 12:40	1
Acetone	ND		25.0	2.66	ug/L			04/11/17 12:40	1
Benzene	ND		1.00	0.200	ug/L			04/11/17 12:40	1
Bromobenzene	ND		1.00	0.210	ug/L			04/11/17 12:40	1
Bromochloromethane	ND		1.00	0.150	ug/L			04/11/17 12:40	1
Bromodichloromethane	ND		1.00	0.170	ug/L			04/11/17 12:40	1
Bromoform	ND		1.00	0.290	ug/L			04/11/17 12:40	1
Bromomethane	ND		1.00	0.350	ug/L			04/11/17 12:40	1
Carbon disulfide	ND		1.00	0.220	ug/L			04/11/17 12:40	1
Carbon tetrachloride	ND		1.00	0.180	ug/L			04/11/17 12:40	1
Chlorobenzene	ND		1.00	0.180	ug/L			04/11/17 12:40	1
Chlorodibromomethane	ND		1.00	0.250	ug/L			04/11/17 12:40	1
Chloroethane	ND		1.00	0.360	ug/L			04/11/17 12:40	1
Chloroform	ND		1.00	0.230	ug/L			04/11/17 12:40	1
Chloromethane	ND		1.00	0.360	ug/L			04/11/17 12:40	1
cis-1,2-Dichloroethene	ND		1.00	0.210	ug/L			04/11/17 12:40	1
cis-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
Dibromomethane	ND		1.00	0.450	ug/L			04/11/17 12:40	1
Dichlorodifluoromethane	ND		1.00	0.170	ug/L			04/11/17 12:40	1
Ethylbenzene	ND		1.00	0.190	ug/L			04/11/17 12:40	1
Hexachlorobutadiene	ND		2.00	0.380	ug/L			04/11/17 12:40	1
Isopropylbenzene	ND		1.00	0.330	ug/L			04/11/17 12:40	1
Methyl tert-butyl ether	ND		1.00	0.170	ug/L			04/11/17 12:40	1
Methylene Chloride	ND		5.00	1.00	ug/L			04/11/17 12:40	1
Naphthalene	ND		5.00	0.210	ug/L			04/11/17 12:40	1
n-Butylbenzene	ND		1.00	0.240	ug/L			04/11/17 12:40	1
N-Propylbenzene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
p-Isopropyltoluene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
sec-Butylbenzene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
Styrene	ND		1.00	0.280	ug/L			04/11/17 12:40	1
tert-Butylbenzene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
Tetrachloroethene	ND		1.00	0.140	ug/L			04/11/17 12:40	1
Toluene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
trans-1,2-Dichloroethene	ND		1.00	0.230	ug/L			04/11/17 12:40	1
trans-1,3-Dichloropropene	ND		1.00	0.170	ug/L			04/11/17 12:40	1
Trichloroethene	ND		1.00	0.200	ug/L			04/11/17 12:40	1
Trichlorofluoromethane	ND		1.00	0.210	ug/L			04/11/17 12:40	1
Vinyl chloride	ND		1.00	0.180	ug/L			04/11/17 12:40	1
Xylenes, Total	ND		3.00	0.580	ug/L			04/11/17 12:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		70 - 130		04/11/17 12:40	1
4-Bromofluorobenzene (Surr)	88		70 - 130		04/11/17 12:40	1

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: MB 490-421322/6**  
**Matrix: Water**  
**Analysis Batch: 421322**

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	93		70 - 130		04/11/17 12:40	1
Toluene-d8 (Surr)	91		70 - 130		04/11/17 12:40	1

**Lab Sample ID: LCS 490-421322/3**  
**Matrix: Water**  
**Analysis Batch: 421322**

**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	19.30		ug/L		97	70 - 130
1,1,1-Trichloroethane	20.0	21.31		ug/L		107	70 - 135
1,1,2,2-Tetrachloroethane	20.0	16.87		ug/L		84	69 - 131
1,1,2-Trichloroethane	20.0	17.60		ug/L		88	70 - 130
1,1-Dichloroethane	20.0	20.72		ug/L		104	70 - 130
1,1-Dichloroethene	20.0	21.44		ug/L		107	70 - 132
1,1-Dichloropropene	20.0	20.56		ug/L		103	70 - 130
1,2,3-Trichlorobenzene	20.0	20.39		ug/L		102	46 - 150
1,2,3-Trichloropropane	20.0	17.77		ug/L		89	70 - 131
1,2,4-Trichlorobenzene	20.0	19.34		ug/L		97	58 - 147
1,2,4-Trimethylbenzene	20.0	19.07		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.51		ug/L		83	45 - 138
1,2-Dibromoethane (EDB)	20.0	17.68		ug/L		88	70 - 130
1,2-Dichlorobenzene	20.0	19.03		ug/L		95	70 - 130
1,2-Dichloroethane	20.0	19.52		ug/L		98	70 - 130
1,2-Dichloropropane	20.0	18.52		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	20.0	19.52		ug/L		98	70 - 130
1,3-Dichlorobenzene	20.0	19.43		ug/L		97	70 - 130
1,3-Dichloropropane	20.0	17.11		ug/L		86	70 - 130
1,4-Dichlorobenzene	20.0	19.16		ug/L		96	70 - 130
2,2-Dichloropropane	20.0	21.08		ug/L		105	60 - 143
2-Butanone (MEK)	100	102.6		ug/L		103	55 - 143
2-Chlorotoluene	20.0	18.41		ug/L		92	70 - 130
2-Hexanone	100	71.40		ug/L		71	54 - 142
4-Chlorotoluene	20.0	18.43		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	100	75.91		ug/L		76	60 - 137
Acetone	100	107.4		ug/L		107	39 - 150
Benzene	20.0	19.79		ug/L		99	70 - 130
Bromobenzene	20.0	17.22		ug/L		86	70 - 130
Bromochloromethane	20.0	22.22		ug/L		111	70 - 130
Bromodichloromethane	20.0	19.90		ug/L		100	70 - 130
Bromoform	20.0	19.33		ug/L		97	70 - 137
Bromomethane	20.0	23.31		ug/L		117	53 - 150
Carbon disulfide	20.0	21.72		ug/L		109	64 - 135
Carbon tetrachloride	20.0	21.67		ug/L		108	70 - 147
Chlorobenzene	20.0	18.55		ug/L		93	70 - 130
Chlorodibromomethane	20.0	18.63		ug/L		93	70 - 133
Chloroethane	20.0	23.99		ug/L		120	60 - 138
Chloroform	20.0	20.90		ug/L		104	70 - 130
Chloromethane	20.0	21.00		ug/L		105	33 - 150

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: LCS 490-421322/3**

**Matrix: Water**

**Analysis Batch: 421322**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	20.0	20.57		ug/L		103	70 - 130
cis-1,3-Dichloropropene	20.0	17.51		ug/L		88	70 - 133
Dibromomethane	20.0	19.52		ug/L		98	70 - 130
Dichlorodifluoromethane	20.0	27.47		ug/L		137	48 - 150
Ethylbenzene	20.0	17.90		ug/L		89	70 - 130
Hexachlorobutadiene	20.0	20.07		ug/L		100	70 - 138
Isopropylbenzene	20.0	18.58		ug/L		93	70 - 131
Methyl tert-butyl ether	20.0	19.05		ug/L		95	70 - 130
Methylene Chloride	20.0	22.04		ug/L		110	70 - 130
Naphthalene	20.0	16.85		ug/L		84	54 - 150
n-Butylbenzene	20.0	18.86		ug/L		94	68 - 137
N-Propylbenzene	20.0	18.83		ug/L		94	70 - 134
p-Isopropyltoluene	20.0	19.23		ug/L		96	66 - 130
sec-Butylbenzene	20.0	19.04		ug/L		95	70 - 135
Styrene	20.0	18.33		ug/L		92	70 - 130
tert-Butylbenzene	20.0	19.16		ug/L		96	70 - 130
Tetrachloroethene	20.0	19.21		ug/L		96	70 - 130
Toluene	20.0	17.86		ug/L		89	70 - 130
trans-1,2-Dichloroethene	20.0	20.71		ug/L		104	70 - 130
trans-1,3-Dichloropropene	20.0	17.20		ug/L		86	63 - 142
Trichloroethene	20.0	20.01		ug/L		100	70 - 130
Trichlorofluoromethane	20.0	24.50		ug/L		122	59 - 150
Vinyl chloride	20.0	23.63		ug/L		118	57 - 137
Xylenes, Total	40.0	35.75		ug/L		89	70 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
Toluene-d8 (Surr)	86		70 - 130

**Lab Sample ID: LCSD 490-421322/4**

**Matrix: Water**

**Analysis Batch: 421322**

**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	18.78		ug/L		94	70 - 130	3	13
1,1,1-Trichloroethane	20.0	18.96		ug/L		95	70 - 135	12	15
1,1,2,2-Tetrachloroethane	20.0	18.80		ug/L		94	69 - 131	11	15
1,1,2-Trichloroethane	20.0	17.96		ug/L		90	70 - 130	2	13
1,1-Dichloroethane	20.0	18.17		ug/L		91	70 - 130	13	17
1,1-Dichloroethene	20.0	19.46		ug/L		97	70 - 132	10	20
1,1-Dichloropropene	20.0	18.16		ug/L		91	70 - 130	12	16
1,2,3-Trichlorobenzene	20.0	21.98		ug/L		110	46 - 150	8	16
1,2,3-Trichloropropane	20.0	19.28		ug/L		96	70 - 131	8	14
1,2,4-Trichlorobenzene	20.0	19.58		ug/L		98	58 - 147	1	15
1,2,4-Trimethylbenzene	20.0	18.22		ug/L		91	70 - 130	5	13
1,2-Dibromo-3-Chloropropane	20.0	18.67		ug/L		93	45 - 138	12	19

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

Lab Sample ID: LCSD 490-421322/4

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 421322

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)	20.0	18.03		ug/L		90	70 - 130	2	13
1,2-Dichlorobenzene	20.0	18.97		ug/L		95	70 - 130	0	12
1,2-Dichloroethane	20.0	18.04		ug/L		90	70 - 130	8	13
1,2-Dichloropropane	20.0	18.37		ug/L		92	70 - 130	1	15
1,3,5-Trimethylbenzene	20.0	18.21		ug/L		91	70 - 130	7	14
1,3-Dichlorobenzene	20.0	19.11		ug/L		96	70 - 130	2	13
1,3-Dichloropropane	20.0	17.48		ug/L		87	70 - 130	2	12
1,4-Dichlorobenzene	20.0	18.89		ug/L		94	70 - 130	1	12
2,2-Dichloropropane	20.0	18.60		ug/L		93	60 - 143	13	20
2-Butanone (MEK)	100	103.7		ug/L		104	55 - 143	1	19
2-Chlorotoluene	20.0	17.91		ug/L		90	70 - 130	3	15
2-Hexanone	100	76.39		ug/L		76	54 - 142	7	17
4-Chlorotoluene	20.0	17.91		ug/L		90	70 - 130	3	15
4-Methyl-2-pentanone (MIBK)	100	82.79		ug/L		83	60 - 137	9	21
Acetone	100	98.32		ug/L		98	39 - 150	9	23
Benzene	20.0	18.43		ug/L		92	70 - 130	7	12
Bromobenzene	20.0	16.93		ug/L		85	70 - 130	2	16
Bromochloromethane	20.0	20.97		ug/L		105	70 - 130	6	16
Bromodichloromethane	20.0	19.88		ug/L		99	70 - 130	0	14
Bromoform	20.0	20.31		ug/L		102	70 - 137	5	14
Bromomethane	20.0	21.49		ug/L		107	53 - 150	8	19
Carbon disulfide	20.0	19.14		ug/L		96	64 - 135	13	16
Carbon tetrachloride	20.0	19.09		ug/L		95	70 - 147	13	16
Chlorobenzene	20.0	18.05		ug/L		90	70 - 130	3	12
Chlorodibromomethane	20.0	19.27		ug/L		96	70 - 133	3	13
Chloroethane	20.0	21.00		ug/L		105	60 - 138	13	15
Chloroform	20.0	18.43		ug/L		92	70 - 130	13	14
Chloromethane	20.0	18.83		ug/L		94	33 - 150	11	20
cis-1,2-Dichloroethene	20.0	18.34		ug/L		92	70 - 130	11	15
cis-1,3-Dichloropropene	20.0	18.78		ug/L		94	70 - 133	7	15
Dibromomethane	20.0	19.93		ug/L		100	70 - 130	2	14
Dichlorodifluoromethane	20.0	24.12		ug/L		121	48 - 150	13	16
Ethylbenzene	20.0	17.15		ug/L		86	70 - 130	4	12
Hexachlorobutadiene	20.0	19.57		ug/L		98	70 - 138	3	16
Isopropylbenzene	20.0	18.10		ug/L		90	70 - 131	3	13
Methyl tert-butyl ether	20.0	18.53		ug/L		93	70 - 130	3	16
Methylene Chloride	20.0	19.88		ug/L		99	70 - 130	10	15
Naphthalene	20.0	18.50		ug/L		92	54 - 150	9	15
n-Butylbenzene	20.0	18.43		ug/L		92	68 - 137	2	14
N-Propylbenzene	20.0	17.87		ug/L		89	70 - 134	5	14
p-Isopropyltoluene	20.0	18.60		ug/L		93	66 - 130	3	13
sec-Butylbenzene	20.0	18.56		ug/L		93	70 - 135	3	14
Styrene	20.0	17.94		ug/L		90	70 - 130	2	12
tert-Butylbenzene	20.0	18.37		ug/L		92	70 - 130	4	14
Tetrachloroethene	20.0	18.31		ug/L		92	70 - 130	5	17
Toluene	20.0	16.96		ug/L		85	70 - 130	5	13
trans-1,2-Dichloroethene	20.0	17.92		ug/L		90	70 - 130	14	15
trans-1,3-Dichloropropene	20.0	17.13		ug/L		86	63 - 142	0	13

TestAmerica Nashville



# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: LCSD 490-421322/4**

**Matrix: Water**

**Analysis Batch: 421322**

**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
Trichloroethene	20.0	18.90		ug/L		94	70 - 130	6	14
Trichlorofluoromethane	20.0	21.93		ug/L		110	59 - 150	11	22
Vinyl chloride	20.0	21.33		ug/L		107	57 - 137	10	15
Xylenes, Total	40.0	34.83		ug/L		87	70 - 132	3	11

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene (Surr)	89		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
Toluene-d8 (Surr)	86		70 - 130

**Lab Sample ID: 490-125267-21 MS**

**Matrix: Water**

**Analysis Batch: 421322**

**Client Sample ID: DUP-1**

**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		100	96.64		ug/L		97	70 - 131
1,1,1-Trichloroethane	ND		100	97.46		ug/L		97	68 - 144
1,1,1,2,2-Tetrachloroethane	ND		100	91.11		ug/L		91	56 - 145
1,1,2-Trichloroethane	ND		100	91.34		ug/L		91	70 - 130
1,1-Dichloroethane	ND		100	93.58		ug/L		94	61 - 139
1,1-Dichloroethene	ND		100	100.1		ug/L		100	54 - 150
1,1-Dichloropropene	ND		100	92.99		ug/L		93	54 - 150
1,2,3-Trichlorobenzene	ND		100	101.9		ug/L		102	36 - 150
1,2,3-Trichloropropane	ND		100	98.49		ug/L		98	65 - 131
1,2,4-Trichlorobenzene	ND		100	91.39		ug/L		91	47 - 147
1,2,4-Trimethylbenzene	ND		100	87.87		ug/L		88	64 - 136
1,2-Dibromo-3-Chloropropane	ND		100	91.40		ug/L		91	38 - 138
1,2-Dibromoethane (EDB)	ND		100	91.32		ug/L		91	65 - 137
1,2-Dichlorobenzene	ND		100	93.30		ug/L		93	70 - 130
1,2-Dichloroethane	ND		100	98.93		ug/L		99	64 - 136
1,2-Dichloropropane	ND		100	92.95		ug/L		93	67 - 130
1,3,5-Trimethylbenzene	ND		100	89.30		ug/L		89	69 - 139
1,3-Dichlorobenzene	ND		100	95.07		ug/L		95	68 - 131
1,3-Dichloropropane	ND		100	87.92		ug/L		88	70 - 130
1,4-Dichlorobenzene	ND		100	92.81		ug/L		93	70 - 130
2,2-Dichloropropane	ND		100	92.92		ug/L		93	50 - 146
2-Butanone (MEK)	ND		500	487.0		ug/L		97	50 - 143
2-Chlorotoluene	ND		100	85.98		ug/L		86	67 - 138
2-Hexanone	ND		500	388.2		ug/L		78	44 - 150
4-Chlorotoluene	ND		100	86.38		ug/L		86	69 - 138
4-Methyl-2-pentanone (MIBK)	ND		500	432.9		ug/L		87	50 - 140
Acetone	104	J	500	554.4		ug/L		90	39 - 150
Benzene	ND		100	95.88		ug/L		96	55 - 147
Bromobenzene	ND		100	83.20		ug/L		83	60 - 133
Bromochloromethane	ND		100	107.0		ug/L		107	59 - 132
Bromodichloromethane	ND		100	102.7		ug/L		103	70 - 140
Bromoform	ND		100	100.7		ug/L		101	53 - 150

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125267-21 MS**

**Matrix: Water**

**Analysis Batch: 421322**

**Client Sample ID: DUP-1**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	ND		100	110.0		ug/L		110	30 - 150
Carbon disulfide	1.54	J	100	98.61		ug/L		97	35 - 150
Carbon tetrachloride	ND		100	100.9		ug/L		101	56 - 150
Chlorobenzene	ND		100	92.58		ug/L		93	70 - 130
Chlorodibromomethane	ND		100	96.88		ug/L		97	66 - 140
Chloroethane	ND		100	108.6		ug/L		109	58 - 141
Chloroform	ND		100	97.71		ug/L		98	66 - 138
Chloromethane	ND		100	95.65		ug/L		96	10 - 150
cis-1,2-Dichloroethene	ND		100	97.28		ug/L		97	68 - 131
cis-1,3-Dichloropropene	ND		100	94.90		ug/L		95	70 - 133
Dibromomethane	ND		100	103.9		ug/L		104	70 - 130
Dichlorodifluoromethane	ND		100	128.4		ug/L		128	10 - 150
Ethylbenzene	ND		100	86.30		ug/L		86	65 - 139
Hexachlorobutadiene	ND		100	88.20		ug/L		88	61 - 141
Isopropylbenzene	ND		100	88.18		ug/L		88	70 - 137
Methyl tert-butyl ether	ND		100	95.40		ug/L		95	55 - 141
Methylene Chloride	ND		100	107.4		ug/L		107	64 - 130
Naphthalene	ND		100	86.79		ug/L		87	32 - 150
n-Butylbenzene	ND		100	84.97		ug/L		85	61 - 141
N-Propylbenzene	ND		100	87.82		ug/L		88	53 - 150
p-Isopropyltoluene	ND		100	87.36		ug/L		87	66 - 137
sec-Butylbenzene	ND		100	87.34		ug/L		87	55 - 136
Styrene	ND		100	90.46		ug/L		90	70 - 130
tert-Butylbenzene	ND		100	85.95		ug/L		86	70 - 138
Tetrachloroethene	ND		100	94.67		ug/L		95	57 - 138
Toluene	ND		100	84.82		ug/L		85	64 - 136
trans-1,2-Dichloroethene	ND		100	90.94		ug/L		91	59 - 143
trans-1,3-Dichloropropene	ND		100	87.44		ug/L		87	63 - 142
Trichloroethene	811		100	919.5	4	ug/L		108	63 - 135
Trichlorofluoromethane	ND		100	115.3		ug/L		115	44 - 150
Vinyl chloride	ND		100	105.6		ug/L		106	57 - 150
Xylenes, Total	ND		200	171.2		ug/L		86	69 - 132

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
4-Bromofluorobenzene (Surr)	86		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
Toluene-d8 (Surr)	84		70 - 130

**Lab Sample ID: 490-125267-21 MSD**

**Matrix: Water**

**Analysis Batch: 421322**

**Client Sample ID: DUP-1**

**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		100	97.42		ug/L		97	70 - 131	1	16
1,1,1-Trichloroethane	ND		100	95.08		ug/L		95	68 - 144	2	17
1,1,2,2-Tetrachloroethane	ND		100	90.84		ug/L		91	56 - 145	0	19
1,1,2-Trichloroethane	ND		100	91.73		ug/L		92	70 - 130	0	18

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125267-21 MSD**

**Matrix: Water**

**Analysis Batch: 421322**

**Client Sample ID: DUP-1**

**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-Dichloroethane	ND		100	91.84		ug/L		92	61 - 139	2	23
1,1-Dichloroethene	ND		100	98.17		ug/L		98	54 - 150	2	24
1,1-Dichloropropene	ND		100	92.90		ug/L		93	54 - 150	0	24
1,2,3-Trichlorobenzene	ND		100	104.7		ug/L		105	36 - 150	3	43
1,2,3-Trichloropropane	ND		100	93.05		ug/L		93	65 - 131	6	19
1,2,4-Trichlorobenzene	ND		100	93.36		ug/L		93	47 - 147	2	24
1,2,4-Trimethylbenzene	ND		100	89.41		ug/L		89	64 - 136	2	18
1,2-Dibromo-3-Chloropropane	ND		100	88.87		ug/L		89	38 - 138	3	26
1,2-Dibromoethane (EDB)	ND		100	94.32		ug/L		94	65 - 137	3	21
1,2-Dichlorobenzene	ND		100	93.26		ug/L		93	70 - 130	0	15
1,2-Dichloroethane	ND		100	95.66		ug/L		96	64 - 136	3	22
1,2-Dichloropropane	ND		100	92.67		ug/L		93	67 - 130	0	19
1,3,5-Trimethylbenzene	ND		100	91.08		ug/L		91	69 - 139	2	17
1,3-Dichlorobenzene	ND		100	94.28		ug/L		94	68 - 131	1	14
1,3-Dichloropropane	ND		100	87.58		ug/L		88	70 - 130	0	17
1,4-Dichlorobenzene	ND		100	94.08		ug/L		94	70 - 130	1	14
2,2-Dichloropropane	ND		100	90.51		ug/L		91	50 - 146	3	20
2-Butanone (MEK)	ND		500	476.8		ug/L		95	50 - 143	2	28
2-Chlorotoluene	ND		100	86.57		ug/L		87	67 - 138	1	17
2-Hexanone	ND		500	385.7		ug/L		77	44 - 150	1	21
4-Chlorotoluene	ND		100	87.90		ug/L		88	69 - 138	2	15
4-Methyl-2-pentanone (MIBK)	ND		500	435.7		ug/L		87	50 - 140	1	24
Acetone	104	J	500	559.1		ug/L		91	39 - 150	1	28
Benzene	ND		100	95.44		ug/L		95	55 - 147	0	22
Bromobenzene	ND		100	83.81		ug/L		84	60 - 133	1	18
Bromochloromethane	ND		100	107.0		ug/L		107	59 - 132	0	21
Bromodichloromethane	ND		100	97.05		ug/L		97	70 - 140	6	196
Bromoform	ND		100	96.85		ug/L		97	53 - 150	4	20
Bromomethane	ND		100	113.0		ug/L		113	30 - 150	3	44
Carbon disulfide	1.54	J	100	97.98		ug/L		96	35 - 150	1	34
Carbon tetrachloride	ND		100	97.93		ug/L		98	56 - 150	3	18
Chlorobenzene	ND		100	91.38		ug/L		91	70 - 130	1	15
Chlorodibromomethane	ND		100	96.69		ug/L		97	66 - 140	0	19
Chloroethane	ND		100	111.0		ug/L		111	58 - 141	2	31
Chloroform	ND		100	95.13		ug/L		95	66 - 138	3	21
Chloromethane	ND		100	99.52		ug/L		100	10 - 150	4	43
cis-1,2-Dichloroethene	ND		100	93.32		ug/L		93	68 - 131	4	21
cis-1,3-Dichloropropene	ND		100	96.18		ug/L		96	70 - 133	1	19
Dibromomethane	ND		100	101.0		ug/L		101	70 - 130	3	19
Dichlorodifluoromethane	ND		100	127.6		ug/L		128	10 - 150	1	50
Ethylbenzene	ND		100	87.46		ug/L		87	65 - 139	1	18
Hexachlorobutadiene	ND		100	96.81		ug/L		97	61 - 141	9	26
Isopropylbenzene	ND		100	88.97		ug/L		89	70 - 137	1	17
Methyl tert-butyl ether	ND		100	91.02		ug/L		91	55 - 141	5	24
Methylene Chloride	ND		100	104.0		ug/L		104	64 - 130	3	22
Naphthalene	ND		100	87.79		ug/L		88	32 - 150	1	40
n-Butylbenzene	ND		100	86.80		ug/L		87	61 - 141	2	17
N-Propylbenzene	ND		100	88.96		ug/L		89	53 - 150	1	18

TestAmerica Nashville

# QC Sample Results

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

TestAmerica Job ID: 490-125267-1

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

**Lab Sample ID: 490-125267-21 MSD**  
**Matrix: Water**  
**Analysis Batch: 421322**

**Client Sample ID: DUP-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		100	89.30		ug/L		89	66 - 137	2	16
sec-Butylbenzene	ND		100	89.40		ug/L		89	55 - 136	2	50
Styrene	ND		100	89.58		ug/L		90	70 - 130	1	16
tert-Butylbenzene	ND		100	88.18		ug/L		88	70 - 138	3	17
Tetrachloroethene	ND		100	94.02		ug/L		94	57 - 138	1	17
Toluene	ND		100	85.47		ug/L		85	64 - 136	1	18
trans-1,2-Dichloroethene	ND		100	90.35		ug/L		90	59 - 143	1	25
trans-1,3-Dichloropropene	ND		100	87.13		ug/L		87	63 - 142	0	18
Trichloroethene	811		100	890.3	4	ug/L		79	63 - 135	3	17
Trichlorofluoromethane	ND		100	114.6		ug/L		115	44 - 150	1	32
Vinyl chloride	ND		100	108.0		ug/L		108	57 - 150	2	37
Xylenes, Total	ND		200	170.1		ug/L		85	69 - 132	1	17

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
4-Bromofluorobenzene (Surr)	87		70 - 130
Dibromofluoromethane (Surr)	94		70 - 130
Toluene-d8 (Surr)	86		70 - 130

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

**Lab Sample ID: MB 490-421205/1-A**  
**Matrix: Water**  
**Analysis Batch: 422329**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 421205**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.00200	0.000100	mg/L		04/10/17 18:26	04/14/17 00:25	1

**Lab Sample ID: LCS 490-421205/2-A**  
**Matrix: Water**  
**Analysis Batch: 422329**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 421205**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.09858		mg/L		99	80 - 120

**Lab Sample ID: 490-125267-4 MS**  
**Matrix: Water**  
**Analysis Batch: 422329**

**Client Sample ID: MW-5**  
**Prep Type: Total/NA**  
**Prep Batch: 421205**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.00279	F1	0.100	0.04214	F1	mg/L		39	75 - 125

**Lab Sample ID: 490-125267-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 422329**

**Client Sample ID: MW-5**  
**Prep Type: Total/NA**  
**Prep Batch: 421205**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.00279	F1	0.100	0.04196	F1	mg/L		39	75 - 125	0	20

TestAmerica Nashville

# QC Association Summary

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

TestAmerica Job ID: 490-125267-1

## GC/MS VOA

### Analysis Batch: 420241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-125267-7	MW-11	Total/NA	Water	8260B	
490-125267-10	MW-17	Total/NA	Water	8260B	
490-125267-11	MW-19	Total/NA	Water	8260B	
490-125267-12	MW-20	Total/NA	Water	8260B	
490-125267-13	MW-24 SBR	Total/NA	Water	8260B	
MB 490-420241/9	Method Blank	Total/NA	Water	8260B	
LCS 490-420241/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-420241/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-125197-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-125197-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

### Analysis Batch: 420345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-125267-1	CD-01	Total/NA	Water	8260B	
490-125267-2	MW-2	Total/NA	Water	8260B	
490-125267-3	MW-3	Total/NA	Water	8260B	
490-125267-4	MW-5	Total/NA	Water	8260B	
490-125267-6	MW-8 SBR	Total/NA	Water	8260B	
490-125267-8	MW-11 SBR	Total/NA	Water	8260B	
490-125267-9	MW-16	Total/NA	Water	8260B	
490-125267-14	MW-27 SBR	Total/NA	Water	8260B	
490-125267-15	MW-29 SBR	Total/NA	Water	8260B	
490-125267-16	MW-30 SBR	Total/NA	Water	8260B	
490-125267-17	MW-36 SBR	Total/NA	Water	8260B	
490-125267-18	MW-37 SBR	Total/NA	Water	8260B	
490-125267-19	MW-38	Total/NA	Water	8260B	
490-125267-20	OBS-8	Total/NA	Water	8260B	
490-125267-21	DUP-1	Total/NA	Water	8260B	
490-125267-22	TB-1	Total/NA	Water	8260B	
MB 490-420345/7	Method Blank	Total/NA	Water	8260B	
LCS 490-420345/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-420345/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-125267-4 MS	MW-5	Total/NA	Water	8260B	
490-125267-4 MSD	MW-5	Total/NA	Water	8260B	

### Analysis Batch: 420605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-125267-4	MW-5	Total/NA	Water	8260B	
490-125267-5	MW-5D	Total/NA	Water	8260B	
MB 490-420605/7	Method Blank	Total/NA	Water	8260B	
LCS 490-420605/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-420605/4	Lab Control Sample Dup	Total/NA	Water	8260B	
490-125295-B-12 MS	Matrix Spike	Total/NA	Water	8260B	
490-125295-B-12 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

### Analysis Batch: 421322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-125267-21	DUP-1	Total/NA	Water	8260B	
MB 490-421322/6	Method Blank	Total/NA	Water	8260B	
LCS 490-421322/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-421322/4	Lab Control Sample Dup	Total/NA	Water	8260B	

TestAmerica Nashville

# QC Association Summary

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

TestAmerica Job ID: 490-125267-1

## GC/MS VOA (Continued)

### Analysis Batch: 421322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-125267-21 MS	DUP-1	Total/NA	Water	8260B	
490-125267-21 MSD	DUP-1	Total/NA	Water	8260B	

## Metals

### Prep Batch: 421205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-125267-1	CD-01	Total/NA	Water	3010A	
490-125267-4	MW-5	Total/NA	Water	3010A	
490-125267-5	MW-5D	Total/NA	Water	3010A	
490-125267-12	MW-20	Total/NA	Water	3010A	
490-125267-21	DUP-1	Total/NA	Water	3010A	
MB 490-421205/1-A	Method Blank	Total/NA	Water	3010A	
LCS 490-421205/2-A	Lab Control Sample	Total/NA	Water	3010A	
490-125267-4 MS	MW-5	Total/NA	Water	3010A	
490-125267-4 MSD	MW-5	Total/NA	Water	3010A	

### Analysis Batch: 422329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-125267-4	MW-5	Total/NA	Water	6020A	421205
MB 490-421205/1-A	Method Blank	Total/NA	Water	6020A	421205
LCS 490-421205/2-A	Lab Control Sample	Total/NA	Water	6020A	421205
490-125267-4 MS	MW-5	Total/NA	Water	6020A	421205
490-125267-4 MSD	MW-5	Total/NA	Water	6020A	421205

### Analysis Batch: 423563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-125267-1	CD-01	Total/NA	Water	6020A	421205
490-125267-5	MW-5D	Total/NA	Water	6020A	421205
490-125267-12	MW-20	Total/NA	Water	6020A	421205
490-125267-21	DUP-1	Total/NA	Water	6020A	421205

# Lab Chronicle

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: CD-01**  
**Date Collected: 03/28/17 16:13**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 03:25	SW1	TAL NSH
Total/NA	Prep	3010A			421205	04/10/17 18:26	JSF	TAL NSH
Total/NA	Analysis	6020A		1	423563	04/19/17 20:02	BLG	TAL NSH

**Client Sample ID: MW-2**  
**Date Collected: 03/30/17 09:27**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 03:53	SW1	TAL NSH

**Client Sample ID: MW-3**  
**Date Collected: 03/30/17 13:35**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 04:22	SW1	TAL NSH

**Client Sample ID: MW-5**  
**Date Collected: 03/29/17 17:00**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	420345	04/07/17 07:40	SW1	TAL NSH
Total/NA	Analysis	8260B		50	420605	04/07/17 17:39	RP	TAL NSH
Total/NA	Prep	3010A			421205	04/10/17 18:26	JSF	TAL NSH
Total/NA	Analysis	6020A		1	422329	04/14/17 01:03	BLG	TAL NSH

**Client Sample ID: MW-5D**  
**Date Collected: 03/29/17 15:35**  
**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	420605	04/07/17 17:11	RP	TAL NSH
Total/NA	Prep	3010A			421205	04/10/17 18:26	JSF	TAL NSH
Total/NA	Analysis	6020A		1	423563	04/19/17 19:24	BLG	TAL NSH



# Lab Chronicle

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-8 SBR**

**Date Collected: 03/30/17 13:22**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 04:50	SW1	TAL NSH

**Client Sample ID: MW-11**

**Date Collected: 03/30/17 12:05**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420241	04/06/17 19:53	NC	TAL NSH

**Client Sample ID: MW-11 SBR**

**Date Collected: 03/30/17 10:50**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-8**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 05:18	SW1	TAL NSH

**Client Sample ID: MW-16**

**Date Collected: 03/29/17 12:43**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-9**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 09:05	SW1	TAL NSH

**Client Sample ID: MW-17**

**Date Collected: 03/29/17 19:02**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-10**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420241	04/06/17 21:46	NC	TAL NSH

**Client Sample ID: MW-19**

**Date Collected: 03/28/17 14:55**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-11**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420241	04/06/17 20:21	NC	TAL NSH

TestAmerica Nashville

# Lab Chronicle

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

TestAmerica Job ID: 490-125267-1

**Client Sample ID: MW-20**

**Date Collected: 03/29/17 15:06**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-12**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420241	04/06/17 20:49	NC	TAL NSH
Total/NA	Prep	3010A			421205	04/10/17 18:26	JSF	TAL NSH
Total/NA	Analysis	6020A		1	423563	04/19/17 19:29	BLG	TAL NSH

**Client Sample ID: MW-24 SBR**

**Date Collected: 03/29/17 09:55**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-13**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420241	04/06/17 21:18	NC	TAL NSH

**Client Sample ID: MW-27 SBR**

**Date Collected: 03/29/17 12:30**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-14**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 09:33	SW1	TAL NSH

**Client Sample ID: MW-29 SBR**

**Date Collected: 03/29/17 10:06**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-15**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 05:47	SW1	TAL NSH

**Client Sample ID: MW-30 SBR**

**Date Collected: 03/29/17 14:25**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-16**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 06:15	SW1	TAL NSH

**Client Sample ID: MW-36 SBR**

**Date Collected: 03/30/17 11:15**

**Date Received: 03/31/17 09:55**

**Lab Sample ID: 490-125267-17**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 10:30	SW1	TAL NSH

TestAmerica Nashville

# Lab Chronicle

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

TestAmerica Job ID: 490-125267-1

## Client Sample ID: MW-37 SBR

Date Collected: 03/30/17 10:10  
Date Received: 03/31/17 09:55

## Lab Sample ID: 490-125267-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 08:36	SW1	TAL NSH

## Client Sample ID: MW-38

Date Collected: 03/30/17 11:40  
Date Received: 03/31/17 09:55

## Lab Sample ID: 490-125267-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	420345	04/07/17 06:43	SW1	TAL NSH

## Client Sample ID: OBS-8

Date Collected: 03/30/17 15:34  
Date Received: 03/31/17 09:55

## Lab Sample ID: 490-125267-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	420345	04/07/17 07:12	SW1	TAL NSH

## Client Sample ID: DUP-1

Date Collected: 03/29/17 00:01  
Date Received: 03/31/17 09:55

## Lab Sample ID: 490-125267-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 10:01	SW1	TAL NSH
Total/NA	Analysis	8260B		5	421322	04/11/17 21:01	JRV	TAL NSH
Total/NA	Prep	3010A			421205	04/10/17 18:26	JSF	TAL NSH
Total/NA	Analysis	6020A		1	423563	04/19/17 19:34	BLG	TAL NSH

## Client Sample ID: TB-1

Date Collected: 03/29/17 00:01  
Date Received: 03/31/17 09:55

## Lab Sample ID: 490-125267-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	420345	04/07/17 02:57	SW1	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: 490-125267-1

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Accreditation/Certification Summary

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

TestAmerica Job ID: 490-125267-1

## 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	06-30-17

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## COOLER RECEIPT FORM



490-125267 Chain of Custody

Cooler Received/Opened On 3/31/2017 @ 09:55

Time Samples Removed From Cooler 0929 Time Samples Placed In Storage 1431 (2 Hour Window)

1. Tracking # 7699 (last 4 digits, FedEx) Courier: FedEx  
IR Gun ID 31470368 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 8.5 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?

If yes, how many and where: 1 Fray

5. Were the seals intact, signed, and dated correctly?

6. Were custody papers inside cooler?

I certify that I opened the cooler and answered questions 1-6 (initial) ML

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

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 (initial) HKG

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 (initial) HKG

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 (initial) HKG

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

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

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

**Chain of Custody Record**

**TestAmerica**  
 THE FUTURE OF ENVIRONMENTAL TESTING

**Client Information**  
 Client Contact: Sara Meissner  
 Phone: \_\_\_\_\_  
 E-Mail: heather.baker@testamericainc.com

**Company:** AECOM  
 Address: 1000 Corp Centre Drive One Corp Centre Site  
 City: Franklin  
 State, Zip: TN, 37087  
 Phone: 615-224-2103(Tel)  
 Email: Sara.Meissner@aecom.com  
 C&D Conyers GA  
 Site: Conyers CTD

**Due Date Requested:** \_\_\_\_\_  
**TAT Requested (days):** \_\_\_\_\_  
Standard TAT

**PO #:** Craig.Bernhof@urs.com  
**W/O #:** 20500332.00001 / V#427536  
**Project #:** 49001189  
**SSOV#:** \_\_\_\_\_

**Lab POC:** Baker, Heather  
**E-Mail:** heather.baker@testamericainc.com

**Carrier Tracking No(s):** \_\_\_\_\_

**COC No:** 490-65564-20518.2  
**Page:** 2 of 3  
**Job #:** 60530734

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Overhead, etc.)	Field Filtered Sample (Yes or No)		Analysis Requested	Total Number of containers	Special Instructions/Note
					A	B			
MW-17	3/29/17	1902	G	Water	X	X	Loc: 490 125267	2	
MW-19	3/28/17	1455	G	Water	X	X		3	
MW-20	3/29/17	1506	G	Water	X	X		3	
MW-24 SBL	3/29/17	0955	G	Water	X	X		3	
MW-27 SBL	3/29/17	1230	G	Water	X	X		2	
MW-29 SBL	3/29/17	1006	G	Water	X	X		3	
MW-30 SBL	3/29/17	1425	G	Water	X	X		2	
MW-36 SBL	3/30/17	1115	G	Water	X	X		2	
MW-37 SBL	3/30/17	1010	G	Water	X	X		2	
MW-38	3/30/17	1140	G	Water	X	X		2	
OBS-8	3/30/17	1534	G	Water	X	X		2	

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

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

**Empty Kit Relinquished by:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Special Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return to Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

**Special Instructions/Note:**  
 Some VOC samples only have 2 vials, lab approved this.

**Relinquished by:** Sara Meissner **Date/Time:** 3/30/17 1540 **Company:** AECOM

**Relinquished by:** [Signature] **Date/Time:** 3/30/17 1202 **Company:** UTA

**Relinquished by:** [Signature] **Date/Time:** 3/30/17 0955 **Company:** TAV

**Custody Seals Intact:**  Yes  No **Custody Seal No.:** \_\_\_\_\_

**Cooler Temperature(s) °C and Other Remarks:** \_\_\_\_\_



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

**Chain of Custody Record**

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

**Client Information**  
 Client Contact: Sara Weisner  
 Phone: \_\_\_\_\_  
 E-Mail: heather.baker@testamericainc.com  
 Carrier Tracking No(s): \_\_\_\_\_

**Company:** AECOM  
 Address: 1000 Corp Centre Drive One Corp Centre Ste  
 City: Franklin  
 State Zip: TN, 37067  
 Phone: 615-224-2103(Tel)  
 Email: sarra.meissner@aecom.com  
 Project Name: C&D Conyers GA  
 Project #: 49001189  
 SSOV#: \_\_\_\_\_

**Due Date Requested:** \_\_\_\_\_  
**TAT Requested (days):** Standard TAT

**PO #:** \_\_\_\_\_  
**W/O #:** \_\_\_\_\_  
**PO Name:** Craig Bernhoff@urs.com  
**Project #:** 20500332.00001 / V#1427536  
**SSOV#:** \_\_\_\_\_

**Lab Pk:** Baker, Heather  
**E-Mail:** heather.baker@testamericainc.com

**Job #:** 10530734  
**Page:** Page 1 of 3  
**Page:** 480-65564-20518.1

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=over soil, B=brine, A=air)	Field Filtered Sample (Yes or No)		Analysis Requested	Total Number of containers	Special Instructions/Note:
					A	D			
CD-01	3/25/17	1613	G	Water	X	X	8260B - Standard 8260 List 6020A - Lead	4	
MW-2	3/30/17	0927	G	Water	X	X		2	
MW-3	3/30/17	1335	G	Water	X	X		2	
MW-5	3/29/17	1700	G	Water	X	X		3	
MW-5-MS	3/29/17	1700	G	Water	X	X		3	
MW-5-MSD	3/29/17	1700	G	Water	X	X		3	
MW-5D	3/29/17	1535	G	Water	X	X		3	
MW-8 SBL	3/30/17	1322	G	Water	X	X		2	
MW-11	3/30/17	12:05	G	Water	X	X		2	
MW-11 SBL	3/30/17	1050	G	Water	X	X		2	
MW-16	3/29/17	1243	G	Water	X	X		2	

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

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

**Empty Kit Relinquished by:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ **Date/Time:** 3/30/17 1540  
**Relinquished by:** \_\_\_\_\_ **Date/Time:** 3/30/17 1950

**Relinquished by:** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Company:** AECOM  
**Company:** AEA  
**Company:** \_\_\_\_\_

**Received by:** \_\_\_\_\_ **Date/Time:** 3/30/17 1540  
**Received by:** \_\_\_\_\_ **Date/Time:** 3/31/17 0955

**Special Instructions/Note:** Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements: Some VOC samples only have 2 vials, lab approved this.

**Method of Shipment:** \_\_\_\_\_

**Cooler Temperature(s) °C and Other Remarks:** \_\_\_\_\_

**Custody Seals Intact:**  Yes  No  
**Custody Seal No.:** \_\_\_\_\_

**TestAmerica Nashville**  
 2860 Foster Creighton Drive  
 Nashville, TN 37204  
 Phone (615) 726-0177 Fax (615) 726-3404

**Chain of Custody Record**



THE IFADEP & FURNISHMENT TESTING

**Client Information**  
 Client Contact: Sara Meissner  
 Sara Meissner  
 Company: ACECOM  
 Address: 1000 Corp Centre Drive One Corp Centre Ste  
 Franklin TN, 37067  
 Phone: 615-224-2103 (Tel)  
 Email: sara.meissner@acom.com  
 Project Name: C&D Conyers GA  
 Site: Conyers CTD  
 SSO#:

**Sampler:** Sara Meissner  
 Lab P#: Baker, Heather  
 E-Mail: heather.baker@testamericainc.com  
 Carrier Tracking No(s):

**Due Date Requested:**  
 TAT Requested (days): Standard TAT  
 PO #: Craig Bernhoff@urs.com  
 WO #: 20500332 00001 / V#1427536  
 Project #: 49001189  
 SSO#:

**Analysis Requested**  
 Loc: 490  
 125267  
 #4  
 B

**Preservation Codes:**  
 A - HCL  
 B - NaOH  
 C - Zn Acetate  
 D - Nitric Acid  
 E - NaHSO4  
 F - MeOH  
 G - Anchlor  
 H - Ascorbic Acid  
 I - Ice  
 J - DI Water  
 K - EDTA  
 L - EDA  
 M - Hexane  
 N - None  
 O - AsHNO2  
 P - Na2O4S  
 Q - Na2SO3  
 R - Na2S2O3  
 S - H2SO4  
 T - TSP Dodecylhydrate  
 U - Acetone  
 V - MCAA  
 W - pH 4-5  
 Z - other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Preservation Code	Matrix (Water, Sealed, Overweight, ET=Issue, AA=)	Field Filtered Sample (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:
DUR-1	3/29/17		G		Water	X		3	
TB-					Water	X		2	
					Water	X			
					Water	X			
					Water	X			
					Water	X			
					Water	X			
					Water	X			
					Water	X			
					Water	X			

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

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

**Empty Kit Relinquished by:** Date: \_\_\_\_\_

**Relinquished by:** Sara Meissner  
 Date/Time: 3/30/17 1540  
 Company: ACECOM

**Relinquished by:** Sara Meissner  
 Date/Time: 3/30/17 1800  
 Company: ACECOM

**Custody Seals Intact:**  Yes  No  
 Custody Seal No.:

**Special Instructions/Note:**  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  
 Disposal By Lab  
 Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements: Some VOC samples only have 2 VOAs, lab approved this.

**Received by:** Sara Meissner  
 Date/Time: 3/30/17 1540  
 Company: ACECOM

**Received by:** Sara Meissner  
 Date/Time: 3/30/17 1800  
 Company: ACECOM

**Cooler Temperature(s) °C and Other Remarks:**

**Method of Shipment:**

**Date/Time:** 3/30/17 1540  
**Company:** ACECOM

**Date/Time:** 3/30/17 1800  
**Company:** ACECOM

**Date/Time:** 3/30/17 1540  
**Company:** ACECOM

**Date/Time:** 3/30/17 1800  
**Company:** ACECOM

**Date/Time:** 3/30/17 1540  
**Company:** ACECOM

**Date/Time:** 3/30/17 1800  
**Company:** ACECOM

## Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 490-125267-1

**Login Number: 125267**

**List Source: TestAmerica Nashville**

**List Number: 1**

**Creator: Gundi, Hozar K**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Default Detection Limits

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

TestAmerica Job ID: 490-125267-1

## 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
1,1,1,2,2-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

TestAmerica Nashville

# Default Detection Limits

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

TestAmerica Job ID: 490-125267-1

## 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

## **Appendix C**

### **Data Review and Validation Report**

**Project: C&D Site in Conyers, Georgia Groundwater Analysis**

**Project Number:** 60398770

**Sample Types:** Groundwater

**Sample Collection Dates:** 3/28/2017 through 3/30/2017

**Laboratory:** Test America Nashville

**Laboratory Sample Groups Included in this Report:** J125267-1

**Analyses:** Volatiles by Method 8260B and metals by Method 6020A

**Date Review Finalized:** 5/1/2017

**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 J125267-1 consisted of 21 groundwater samples (including one field duplicate and a trip blank). All samples were analyzed for volatile organics by Method 8260B, while five 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 were able to 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 Relative Percent Difference (RPD)
- Field duplicate review (RPD)
- Other problems noted in the case narrative or the laboratory qualifiers to the results

### **List of Possible Validation Qualifiers**

- 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 (undetected) and J (estimated) flags. It means the analyte is not considered to be present in the sample. Either the reported value or the laboratory reporting limit is considered to be an *estimated* limit of detection, either because of contamination in the associated blank, or because the LCS or matrix spike recovery was low and outside the laboratory QC limits for an undetected compound, so that the laboratory reporting limit is less certain. This is distinct from the normal laboratory generated "U" or "ND" qualifiers, which simply mean the analyte was not detected during the analysis.
- F- This qualifier indicates there was a problem in either the sample matrix spike or MS/MSD recovery (F1), or with the RPD of the MSD (F2).
- 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 was the acceptance criteria. (Note: "J" qualified (estimated) results were not used in the field duplicate calculation.)

### **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. The laboratory reported results for certain volatile organic compounds on some samples with an "E" indicating the result was higher than the laboratory calibration range. Such results are often inaccurate. These samples were re-analyzed at a greater dilution for the over-calibration parameters, so as to bring results for those compounds within the calibration range. For the final reports, the laboratory did not report the "E" qualified results, only the more correct diluted results for the affected compounds, so no further qualification was necessary. For example, for sample MW-5, the correct trichloroethene (TCE) result is 8330 ug/L, not the "E" qualified 6270 ug/L as can be found in the QC summary.

## **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%. None of the analytical data required additional qualification based on the summary QC provided by the laboratory.

## **Unusual Sample Results Discussion**

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 0.0002 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 was only one field duplicate collected for this sampling event out of a total of 20 samples taken for volatiles analysis. Typically, AECOM projects from this office require field duplicates to be collected at a 10% frequency, or one per sampling event, whichever is greater. The field duplicate was also one of five samples analyzed for lead. 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**

<b>Lab Sample Identification #</b>	<b>Field Sample Identification #</b>
490-125267-01	CD-01
490-125267-02	MW-2
490-125267-03	MW-3
490-125267-04	MW-5
490-125267-05	MW-5D
490-125267-06	MW-8 SBR
490-125267-07	MW-11
490-125267-08	MW-11 SBR
490-125267-09	MW-16
490-125267-10	MW-17
490-125267-11	MW-19
490-125267-12	MW-20
490-125267-13	MW-24 SBR
490-125267-14	MW-27 SBR
490-125267-15	MW-29 SBR
490-125267-16	MW-30 SBR
490-125267-17	MW-36 SBR
490-125267-18	MW-37 SBR
490-125267-19	MW-38
490-125267-20	OBS-8
490-125267-21	DUP-1
490-125267-22	TB-1 (Trip blank)

**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 on 3/31/2017 at 9:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature blank inside the cooler at receipt time was 3.5 degrees C.

## Volatile Organics Method 8260B (plus associated sample preparations)

Method 8260B: The following samples were diluted due to the nature of the sample matrix: MW-5 (490-125267-4), MW-5D (490-125267-5), MW-38 (490-125267-19) and OBS-8 (490-125267-20). Elevated reporting limits (RLs) are provided. High concentrations of target analytes were detected.

## Metals Method 6020A (plus associated sample preparations)

There were no issues noted in the case narrative. However, the summary QC data showed that the MS/MSD for lead in sample MW-5 had low recovery (39% in each), that likely is due to sample matrix interference.

There were no other issues noted 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?*

No.

Blank ID	Parameter	Analyte	Concentration	Units
NA				

Affected Results: None.

Field ID	Parameter	Analyte	New RL	Units	Qualification
NA					

## 5.0 Laboratory Control Sample

*Were LCS recoveries within evaluation criteria?*

Yes.

LCS ID	Parameter	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	Parameter	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. MS/MSD samples were analyzed for samples MW-5 and DUP-1.

*Were MS/MSD recoveries within evaluation criteria?*

No, as indicated in the following table. In addition, the TCE MS/MSD recoveries failed for both samples MW-5 and DUP-1. However, the TCE in the parent compound was more than four times higher than the spike concentration, so no qualifier was necessary.

MS/MSD ID	Parameter	Analyte		RPD	MS/MSD/RPD Criteria
MW-5	metals	lead	39/39	0	75-125/20

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.

Field ID	Parameter	Analyte	Result org:(ug/l) met:(mg/l)	Qualification
MW-5	metals	lead	0.00279	F1

## 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. One field duplicate was collected as follows:

Field ID	Field Duplicate ID
MW-5D	

*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. This limit was only applied to samples detected above the laboratory reporting limit.

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 <sup>3</sup>	Validation Qualification	Correct Result ug/M <sup>3</sup>
NA					

# **Appendix D**

## **Gantt Chart**

**C & DTechnologies  
Conyers VRP Program Activities**

ID	Task Name	Duration	Start	Finish	2015		2016				2017				2018				2019				2020		2021
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
1	<b>Implementing Voluntary Investigation and Remediation Plan</b>	<b>1472 days</b>	<b>Mon 9/7/15</b>	<b>Tue 4/27/21</b>																					
2	<b>Voluntary Remediation Program Application</b>		<b>Mon 8/3/15</b>																						
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	<b>VRP Application Approval - Milestone</b>	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	<b>Compliance with applicable Risk Reduction Standards</b>	<b>517 days</b>	<b>Thu 12/24/15</b>	<b>Fri 12/15/17</b>																					
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	<b>Horizontal Groundwater Delineation Update - Milestone</b>	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	<b>Potential Human Health Ecological Receptor Evaluation</b>	<b>480 days</b>	<b>Mon 2/22/16</b>	<b>Fri 12/22/17</b>																					
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	60 days	Mon 9/4/17	Fri 11/24/17																					
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	<b>Delineation of Release on property without Access -Milestone</b>	0 days	Fri 12/22/17	Fri 12/22/17																					
27	<b>Semi-Annual Groundwater Sampling Events First Two Years</b>	<b>600 days</b>	<b>Thu 12/24/15</b>	<b>Wed 4/11/18</b>																					
36	<b>Submit First SemiAnnual Progress Report- Milestone</b>	0 days	Thu 6/23/16	Thu 6/23/16																					
37	<b>Semi-Annual Progress Reports</b>	<b>927 days</b>	<b>Mon 12/5/16</b>	<b>Tue 6/23/20</b>																					
54	<b>Recalculate Risk Reduction Standards (RRS)</b>	60 days	Thu 4/12/18	Wed 7/4/18																					
55	<b>Compliance Status Report (CSR)</b>	60 days	Thu 10/1/20	Wed 12/23/20																					
56	<b>Submit CSR and Certify Compliance with RRS - Milestone</b>	0 days	Wed 12/23/20	Wed 12/23/20																					
57	<b>Uniform Environmental Covenant (UEC)</b>	<b>89 days</b>	<b>Thu 12/24/20</b>	<b>Tue 4/27/21</b>																					

excellence in delivering solutions that enhance and sustain the world's built, natural, and social environments. A Fortune 500 company, AECOM serves clients in more than 100 countries and has annual revenue in excess of \$6 billion.

More information on AECOM and its services can be found at [www.aecom.com](http://www.aecom.com).

1000 Corporate Centre Drive, Ste. 250  
Franklin, Tennessee 37153  
615-771-2480 (o)  
615-771-2459 (f)