Georgia Environmental Protection Division

Land Protection Branch
Response and Remediation Program

2 Martin Luther King Jr. Dr. SE
Suite 1054, East Tower
Atlanta, Georgia 30334

Document Submittal Form

Instructions: Please complete this form and include it with any document submitted to the Response and Remediation Program that is greater than twenty-five pages in length or that contains paper sizes other than 8.5"x11". Your cooperation helps to ensure that documents are filed correctly, completely, and efficiently.

Name of Document: Voluntary Remediation Plan

Date of Document: March 27, 2017

Site Name: GDOT Jesup District Office

Site Number: 10742

Document Submittal Checklist (please check):

- ✓ One paper copy of the document
- ✓ Two compact disks (CDs), each containing an electronic copy of the document as a single, searchable, Portable Document Format (PDF) file
- ✓ The electronic copies are complete, identical to the paper copy, and virus free
- ✓ Any scanned images have a resolution of at least 300 dpi
- ✓ The electronic copies include this completed Document Submittal Form
- ✓ The CDs are labeled at a minimum with the following information:
  - Name of Document: Voluntary Remediation Plan, GDOT Jesup District Office, 2017-03
  - Date of Document: March 27, 2017
  - Site Name: GDOT Jesup District Office
  - Site Number: 10742

I certify that the information I am submitting is, to the best of my knowledge and belief, true, accurate, and complete.	for EPD use (leave blank)
Signature: 	
Email: wwagner@smeinc.com	
Name (printed): William J. Wagner, Jr.	
Date: March 27, 2017	
Phone: 770-919-0969	

Voluntary Investigation and Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION					
COMPANY NAME	Georgia Department of Transportation				
CONTACT PERSON/TITLE	James Clute				
ADDRESS	One Georgia Center, 600 West Peachtree Street, N.W. 7th Floor, Atlanta, Georgia 30308				
PHONE	404-631-1253	FAX	404-631-1944	E-MAIL	jclute@dot.ga.gov

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP					
NAME	William J. Wagner, Jr.			GA PE/PG NUMBER	031309
COMPANY	S&ME, Inc.				
ADDRESS	3380 Town Point Dr., Suite 140, Kennesaw, Georgia 30144				
PHONE	770-919-0969	FAX	770-919-2360	E-MAIL	wwagner@smeinc.com

APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:

(1) The property must have a release of regulated substances into the environment;
(2) The property shall not be:
- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
- (C) A facility required to have a permit under Code Section 12-8-66.

(3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
(4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:
- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

APPLICANT'S SIGNATURE			
APPLICANT'S NAME/TITLE (PRINT)	James Clute - GDOT State Facilities Manager	DATE	3/24/2017

QUALIFYING PROPERTY INFORMATION (For additional qualifying properties, please refer to the last page of application form)				
HAZARDOUS SITE INVENTORY INFORMATION (if applicable)				
HSI Number	10742	Date HSI Site listed	March 1994	
HSI Facility Name	GDOT - Jesup	NAICS CODE		
PROPERTY INFORMATION				
TAX PARCEL ID	112-6	PROPERTY SIZE (ACRES)	55.13	
PROPERTY ADDRESS	204 North Highway 301			
CITY	Jesup	COUNTY	Wayne	
STATE	Georgia	ZIPCODE	31546	
LATITUDE (decimal format)	31.5946°	LONGITUDE (decimal format)	-81.8670°	
PROPERTY OWNER INFORMATION				
PROPERTY OWNER(S)	Georgia Department of Transportation	PHONE #	404-608-4735	
MAILING ADDRESS	One Georgia Center, 600 West Peachtree Street, N.W. 7th Floor			
CITY	Atlanta	STATE/ZIPCODE	Georgia 30308	

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.)	3/24/17 check #s 20447, 20448 20449, 20450, and 20451	
2.	**WARRANTY DEED(S)** FOR QUALIFYING PROPERTY.	**Appendix I**	
3.	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).	**Appendix I and Figure 2**	
4.	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).		
5.	The VRP participant's initial plan and application must include, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a **PROJECTED MILESTONE SCHEDULE** for investigation and remediation of the site, and	**Section 2.1.5, page 3 (CSM)** **Appendix VII (Milestone Schedule)**	

	after enrollment as a participant, must update the schedule in each semi-annual status report to the director describing implementation of the plan during the preceding period. A Gantt chart format is preferred for the milestone schedule. The following four (4) generic milestones are required in all initial plans with the results reported in the participant's next applicable semi-annual reports to the director. The director may extend the time for or waive these or other milestones in the participant's plan where the director determines, based on a showing by the participant, that a longer time period is reasonably necessary:		
5.a.	Within the first 12 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern on property where access is available at the time of enrollment;		
5.b.	Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;		
5.c.	Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and		
5.d.	Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.		
6.	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances. Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." William J. Wagner, Jr. P.E. 031309 Printed Name and GA PE/PG Number 3/27/2017 Date  Signature and Stamp		

Voluntary Remediation Plan

Georgia Department of Transportation - Jesup District Office
204 North Highway 301
Jesup, Wayne County, Georgia
HSI Site No. 10742
S&ME Project No. 4468-14-083A

Prepared for:
Environmental Protection Division
Land Protection Branch
Response Remediation Program
2 Martin Luther King Jr. Dr., SE Suite 1054 East Tower
Atlanta, Georgia 30334

Prepared by:
S&ME, Inc.
3380 Town Point Dr, Ste 140
Kennesaw, GA 30144

March 27, 2017

March 27, 2017

Environmental Protection Division
Land Protection Branch
Response Remediation Program
2 Martin Luther King Jr. Dr., SE
Suite 1054 East Tower
Atlanta, Georgia 30334

Attention: Mr. Peter Johnson

Reference: **Voluntary Remediation Plan**
Georgia Department of Transportation - Jesup District Office
204 North Highway 301
Jesup, Wayne County, Georgia
HSI Site No. 10742
S&ME Project No. 4468-14-083A

Dear Mr. Johnson:

S&ME, Inc. (S&ME) is pleased to provide this Voluntary Remediation Plan on behalf of Georgia Department of Transportation (GDOT) for the above-referenced site. One paper copy and two (2) electronic copies of this report are provided in Portable Document Format (PDF) for your use.

Should you have any questions or concerns regarding this report, please contact any of the undersigned at (770) 919-0969.

Sincerely,

S&ME, Inc.

William J. Wagner, Jr., P.E.
Project Engineer

Peter Fleury Jr.,
Senior Project Manager

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1.0 Introduction

1.1 Overview

S&ME has prepared this Voluntary Remediation Plan (VRP) for the GDOT - Jesup District Office located at 204 North Highway 301 in Jesup, Wayne County, Georgia (property or site). The subject property is currently regulated under the Georgia Environmental Protection Division's (EPD's) Hazardous Site Response Act (HSRA) and has been assigned the Hazardous Site Inventory (HSI) Number 10742. The VRP is intended for review by the EPD under the Voluntary Remediation Program Act (Act). This VRP is submitted with the intention of moving the site from HSRA into the Georgia Voluntary Remediation Program (Program). Compliance activities are currently being conducted under HSRA.

1.2 Qualifying Applicant and Property

The subject property is not listed on the National Priorities List; is not undergoing response activities required by the United States Environmental Protection Division (EPA); is not a permitted facility under the Resource Conversation Recovery Act (RCRA); and does not have any liens filed against the property pursuant to OCGA 12-8-96(e) or 12-13-12(b).

2.0 Current Environmental Information

2.1 Conceptual Site Model

2.1.1 Site History

GDOT operates an on-site asphalt quality testing laboratory and from 1965 until 2001, the laboratory utilized 1, 1, 1-trichloroethane (1, 1, 1-TCA), and to a lesser extent carbon tetrachloride, to evaluate the quality of asphalt concrete. From 1965, when the laboratory opened, until approximately 1972, spent 1, 1, 1-TCA was disposed of by pouring it into lab sinks that were connected to a septic system located southeast of the lab. According to GDOT, approximately one-half gallon to one gallon per day of TCA was used in the asphalt testing process on days testing was performed. The total volume used or disposed of on-site is unknown.

The on-site 1, 1, 1-TCA disposal practice was stopped in 1972 when a solvent recovery still was installed to recycle the 1, 1, 1-TCA. The laboratory stopped using 1, 1, 1-TCA completely in 2001 when it was replaced by citrus-based solvents.

The septic system was abandoned and removed in 1993 when the laboratory was connected to the city's sanitary sewer system. Additionally, in 1993, an asphalt cap was installed over septic system drain field by GDOT. The purpose of the cap was to prevent soil impacts observed by GDOT in 1992 and 1993 from leaching into groundwater.

GDOT submitted a HSRA Release Notification for the subject property in March 1994. Subsequently the EPD placed the subject property on the HSI due to the confirmed release of 1, 1, 1-TCA in groundwater exceeding the reportable quantity.

2.1.2 Site Description

The site is located at 204 North Highway 301 which is approximately 1.25 miles southeast of downtown Jesup. More specifically, the site is located east of the intersection of U.S. Highway 301 (aka Carey Town Road) and U.S. U.S. Highway 341 (aka East Cherry Street). The location of the site is depicted on **Figures 1 and 2**.

The site consists of approximately 55 acres and several GDOT operations are located at the district office complex. The GDOT Office of Materials and Testing operates a construction materials testing laboratory at the site where, in the past, 1, 1, 1-TCA was used to evaluate asphalt quality. The laboratory is located in the southcentral portion of the property and is identified on **Figure 2**.

The site is owned by the State of Georgia and has a tax parcel identification number of 112-6. A copy of the tax plats and warranty deed is included in **Appendix I**.

The site is bounded by Carey Town Road (Hwy 301) to the north-northwest, beyond which are commercial properties; commercial properties to the south-southwest; undeveloped/wooded land to the south, and undeveloped/wooded land to the north-northeast.

2.1.3 Topographic Conditions and Surface Water

The site topography generally slopes toward the northeast and east. The site is located at an elevation ranging from approximately 70 to 90 feet above mean sea level (msl).

A channel traverses the central portion of the property in a west to east direction and is considered a drainage ditch with ephemeral characteristics (stream channel which carries water only during and immediately after a rainfall event). An unnamed tributary of Penholoway Creek flows southward along the eastern property boundary.

2.1.4 Regional and Site Geologic Conditions

The site is located in the Barrier Island Sequence District of the Sea Island Section of the Coastal Plain Province of Georgia. Pleistocene sea levels advanced and retreated several times over the district to form a step-like progression of decreasing altitudes toward the sea. These former, higher sea levels existed as barrier island-salt marsh environments similar to the present coast. The former sea levels left shoreline deposit complexes parallel to the present coastline at characteristic elevations: Wicomico, 160-95 feet; Penholoway, 70-76 feet; Talbot, 40-46 feet; Pamlico, 25 feet; Princess Anne, 13 feet; Siler Bluff, 5 feet; Holocene, the present mean sea level. There has been slight to moderate dissection of these former levels allowing marshes to exist in poorly drained low areas.

Based on our soil boring logs, the subject site is covered by coarse to fine sands with sandy clays to clays forming a confining layer.

2.1.5 Regional and Site Hydrogeologic Conditions

Groundwater elevation across the site range from approximately 92 to 74 feet below msl with the water table ranging from 4 to 19 feet below ground surface (bgs). The top of a relatively thick clay layer, which is considered a shallow confining layer at the site, is found at approximately 30 to 60 feet bgs. Historical groundwater elevations are summarized in **Table 1** and groundwater elevations ranged from 68.67 feet to 92.77 msl in November 2016.

The groundwater flow direction at the site (shallow, middle, and deep aquifers) is generally to the east.

Hydrogeologic testing conducted and discussed in the October 2006 Compliance Status Report (CSR) prepared by aquaFusion, Inc. (aquaFusion) indicated an average hydraulic conductivity of 2.283 feet per day (ft/day). The horizontal or lateral gradient for the each of the aquifers (upper, middle, and deep), based on the November 2016 data, is approximately 0.01.

The vertical groundwater gradient in the shallow aquifer is downward across the site and ranges from approximately 0.0004 (eastern portion of site) to 0.24 (western towards central portion) using the November 2016 groundwater data.

The conceptual site model (CSM), shown on **Figure 3**, was prepared to illustrate the hydrogeologic conditions as well as identify the source area (southeast of the laboratory). A Cross Section Map illustrating section lines is shown on **Figure 4**. Cross Section A-A' (**Figure 5A**) and Cross Section B-B' (**Figure 5B**) were prepared to illustrate the subsurface conditions parallel and perpendicular to the plume, respectively. The source area was within former septic field system located approximately 95 feet southeast of the laboratory.

The groundwater monitoring wells, as well as the historical soil boring locations, are presented on **Figure 6**. Potentiometric Surface Maps for the November 2016 gauging event are included as **Figure 7A** (Upper Aquifer) and **Figure 7B** (Middle Aquifer).

2.2 Contaminant Distribution

The suspected source area is located approximately 95 feet southeast of the asphalt testing lab (southcentral portion of the site). The constituents of concern (COCs) detected at the site have been chlorinated volatile organic compounds (VOCs) related to the release of 1, 1, 1-TCA.

2.2.1 Soils

The historical soil sample locations are presented on **Figure 8** and the laboratory analytical results are presented in **Table 2**. The date and the company collecting the samples are provided on this table. The majority of the soil sampling was presented to the EPD in the October 2006 CSR and May 2010 Corrective Action Plan (CAP). The CSR and CAP summarized soil samples collected by GDOT in 1992, by aquaFusion in 2006, and by S&ME in 2008. Between 1992 and 2008, 47 soil samples were collected at the site; of those samples, no COCs were detected above a Type 3 Risk Reduction Standard (RRS).

Based upon the historic soil sampling data presented in the CSR and CAP, it is S&ME's opinion that the site meets Type 3 RRSs for soil.

2.2.2 Groundwater

Groundwater monitoring has occurred at the facility since 1992 and includes separate (upper, middle, and deep) aquifers. In 1992, the GDOT installed six monitoring wells (MW-1 through MW-6) and sampled the groundwater from monitoring wells MW-1 and MW-2. The groundwater samples were analyzed for 1, 1, 1-TCA, only. A maximum concentration of 1, 1, 1-TCA was observed at 0.500 milligram per liter (mg/L).

In 1993, GDOT installed eight additional monitoring wells in clusters to evaluate vertical extent of groundwater impacts. Monitoring wells MW-1A, MW-1B, MW-1C were installed near monitoring well MW-1; monitoring wells MW-2A and MW-2B were installed near MW-2; and monitoring wells MW-7, MW-7A, and MW-7B were installed between the MW-1 and MW-2 cluster wells. Groundwater samples were collected from these monitoring wells and analyzed for 1,1,1-TCA, only; which was not detected above the Type 1 RRS.

A Comprehensive Site Investigation was performed in 2006 by aquaFusion, that included the installation and sampling of seven new shallow monitoring wells (MW-8 through MW-12, MW-12R, and MW-13) and three new deep (double cased) monitoring wells (MW-2D, MW-6D, and MW-7D). Groundwater samples were collected from 21 monitoring wells and analyzed for VOCs by EPA method 8260B. Constituents of concern (COCs) that exceeded Type 1 or Type 4 RRSs included:

- 1, 1, 1-TCA
- 1, 1-dichloroethene (1, 1-DCE)
- 1, 1, 2-trichloroethane (1, 1, 2-TCA)
- trichloroethene (TCE)

The groundwater VOC source area and groundwater VOC plume were further delineated with the installation of nine shallow monitoring wells (MW-4A, MW-6A, MW-14 through MW-19, and MW-21 through MW-24) and seven deeper wells (MW-3A, MW-8A, MW-9A, MW-12A, MW-20, MW-23A, and MW-24A) between 2008 and 2011.

Groundwater monitoring has been performed on an infrequent periodic basis from 2009 to 2016. Site specific Type 3 and Type 4 RRS for the COCs were calculated and submitted by S&ME and approved by the EPD in 2010 (**Appendix II**). Type 3 RRSs were calculated for 1, 4-dioxane, 1, 1-dichloroethane (DCA), 1, 2-DCA, and tetrachloroethylene (PCE). Type 4 RRSs were calculated for acetone, vinyl chloride (VC), 1, 1- DCE, trans-1, 2-DCE, cis-1, 2-DCE, 1, 1, 1-TCA, TCE, 1, 1, 2-TCA, and 1, 1, 1, 2-tetrachoroethane.

A comprehensive groundwater sampling event was performed in November 2016 by S&ME. S&ME attempted to collect groundwater samples from the monitoring wells in general accordance with the low-flow purging method described in the U.S. SESD Athens, Georgia, Groundwater Sampling Operating Procedure (SESDPROC-301-R3, March 2013) guidance document. The groundwater samples were collected into laboratory supplied containers and transported in laboratory-supplied coolers to ESC Lab Sciences (ESC) in Mount Juliet, Tennessee for the analysis of VOCs using EPA Method 8260B. Monitoring well field data sheets are included in **Appendix III**.

Historical groundwater analytical results are summarized on **Table 3**. Current groundwater analytical results in relation to applicable RRSs are summarized in **Table 4**. Groundwater analytical results from the November 2016 sampling event is illustrated on **Figure 9A** (Upper Aquifer), **Figure 9B** (Middle Aquifer), **Figure 9C** (Deep Aquifer). Groundwater analytical data for the November 2016 sampling event is presented in **Appendix IV**.

Based on the recent groundwater data (November 2016), VC, 1, 1-DCE, 1, 2-DCA, and TCE were detected above the site-specific RRSs. The exceedances occurred in groundwater samples collected from MW-3A.

2.2.3 Surface Water

Surface water samples were collected on November 8, 2016 from the channel running east and west (SW-3, SW-4, and SW-7) and from the stream flowing along eastern boundary line (SW-8 and SW-9). The surface water sampling locations are depicted on **Figure 6**.

The surface water samples were collected in general accordance with surface water sampling methods described in the U.S. SESD Athens, Georgia, Surface Water Sampling Operating Procedure (SESDPROC-201-R3, February 2013) guidance document. The surface water samples were collected into laboratory supplied containers and were transported in laboratory-supplied coolers to ESC for the analysis of VOCs using EPA Method 8260B. No VOC constituents were detected in the surface water samples.

Historical surface water analytical results are summarized on **Table 5**. Surface water analytical data for the November 2016 sampling event is presented in **Appendix IV**.

2.3 Mann-Kendall Trend Analysis

In order to evaluate the VOC groundwater trends, the Mann-Kenndall non-parametric statistical analysis was applied to the groundwater data using the publically available GSI Mann-Kendall Toolkit. Groundwater data from three monitoring wells (MW-3A, MW-7D, and MW-8) were utilized to determine trend analyses. These wells had COC groundwater concentrations that have historically exceeded the RRSs. Groundwater analytical data was utilized from March 2006 to November 2016.

The Mann-Kendall analyses were run for the following VOCs in each of the three monitoring wells:

- 1, 2 DCA
- 1, 1-DCE
- 1, 1, 1-TCA
- 1, 1, 2-TCA
- TCE
- VC

The statistical analyses show an increasing trend for 1, 2-DCA, 1, 1, 2-TCA, and TCE from monitoring well MW-3A. The majority of the trends are shown to be stable in monitoring wells MW-7D and MW-8. Those COCs for monitoring wells that indicate no trend have current concentrations that are less than the highest concentration during the review period except in MW-3A (VC). The statistical Mann-Kendall analyses are provided in **Appendix V**.

2.4 Corrective Action

2.4.1 In-situ Chemical Oxidation

S&ME supervised the injection of sodium persulfate (with sodium hydroxide as an activator) as part of a chemical oxidation injection pilot test conducted in August 2011. The injection pilot test utilizing selected injection points (I-1, I-5, and I-8) with a total of 2,163 gallons of 10% persulfate solution was distributed among the three injection points. During the injection event, performance monitoring was conducted by collecting groundwater quality parameters (DO, conductivity, pH, temperature, ORP, and pressures) in selected injection wells (I-2, I-3, and I-5 through I-7) and groundwater monitoring wells (MW-2, MW-3, MW-7D, and MW-22).

Based on the results from the November 2011 monitoring event (post-injection), the August 2011 chemical injection event appeared to have a limited effect on the targeted wells. The VOC concentrations appeared to have remained stable and/or slightly decreased. The limited results could have been contributed to the actual volume of oxidant (persulfate) needed to counteract subsurface conditions (i.e. amount of actual contamination, SOD), subsurface interference, or groundwater chemistry. The chemical injection pilot test activities and the results of the November 2011 post-injection monitoring event were included in the Progress Report submitted on February 29, 2012.

No additional chemical injections have been performed at the site.

2.4.2 Monitoring Natural Attenuation

Groundwater has been monitored since 1993; however, no monitoring for monitoring natural attenuation (MNA) effectiveness has been conducted since selected wells were sampled for MNA in 2006 by aquaFusion, in preparation of the CSR.

3.0 Human Health and Exposure Pathway

3.1 Evaluation of Vapor Intrusion Risk

Groundwater has been identified as a potential source medium for impacts to indoor air. A vapor intrusion evaluation was conducted to determine whether groundwater impacts pose indoor air risks to hypothetical on-site residents at the site. VOCS that historically exceeded Type 3 or Type 4 RRS were included in the evaluation and include:

- 1, 1-DCE
- 1, 2-DCA
- 1, 1, 2-TCA
- 1, 1, 1-TCA
- 1, 1, 1, 2-Tetrachloroethane
- PCE
- TCE
- VC

The EPA Vapor Intrusion Screening Level (VISL) calculator was used to calculate human health risk from inhalation of indoor air containing the VOCs noted above. The VISL model calculates screening levels for use in evaluation the vapor intrusion pathway at Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and RCRA sites. These screening levels are calculated using the recommended approaches in existing guidance.

The VISL calculator is a spreadsheet tool that (1) lists chemicals considered to be volatile and known to pose a potential cancer risk or noncancer hazard through the inhalation pathway; (2) provides generally recommended screening-level concentrations for groundwater, soil gas (exterior to buildings and sub-slab) and indoor air for default target risk levels and exposure scenarios; and (3) allows calculation of site-specific screening levels based on user-defined target risk levels and exposure scenarios.

The VISLs are calculated using the recommended approaches in existing guidance and are based on current understanding of the vapor intrusion pathway. The screening levels for groundwater and soil gas are calculated target indoor air concentrations using empirically–based conservative "generic" attenuation factors that reflect generally reasonable worst-case conditions as described in the EPA's draft vapor intrusion guidance (EPA 2013).

The target groundwater concentration corresponding to a chemical's target indoor air concentration is calculated by dividing the target indoor air concentration by an attenuation factor of 0.001 and then converting the vapor concentration to an equivalent groundwater concentration, assuming equilibrium between the aqueous and vapor phases at the water table. The equilibrium partitioning is assumed to obey Henry's law.

Specific factors that do not apply to this site, but may result in non-attenuated or enhanced transport of vapors towards a receptor which may render the VISL screening inappropriate are:

- Shallow groundwater (depths less than five feet bgs)
- Shallow soil contamination
- Buildings with significant exposure to impacted soils (un-lined sumps, crawl spaces e.g.)

The following assumptions were made using the VISL calculator:

- Groundwater or vadose zone for source of volatile vapors that migrate through unsaturated soils toward the surface and into buildings
- The volatile vapors are attenuated through the unsaturated soil and diluted when entering the air in the building
- The soil is considered homogeneous and isotropic
- The receptors are assumed to be occupants of the building

3.1.1 Representative Concentration

The representative concentration in the groundwater that may provide the source for migration of vapors to the surface and vapor intrusion into buildings is addressed in this section. The historical maximum groundwater concentrations and corresponding dates for the constituents above are provided below:

- 1, 1-DCE (MW-3A – 12.0 mg/L 1/15/2015)
- 1, 2-DCA (I-2 – 0.020 mg/L 11/9/2011)

- 1, 1, 2-TCA (I-2 – 0.220 mg/L 11/9/2011)
- 1, 1, 1-TCA (I-2 – 34.000 mg/L 11/9/2011)
- 1, 1, 1, 2-Tetrachloroethane (I-2 – 0.890 mg/L 11/9/2011)
- PCE (I-2 – 0.0086 mg/L 11/9/2011)
- TCE (I-3 – 0.260 mg/L 11/9/2011)
- VC (MW-3A - 0.0221 mg/L 11/9/2016)

These VOC concentrations were used in the VISL model to determine Target Indoor Air concentrations with a Target Cancer Risk (TCR) of 1.0E-05 and a Target Hazard Quotient (THQ) of 1.0.

3.1.2 VISL Results

The purpose of this VISL model is to calculate the potential exposure to the VOCs noted above from volatilizing from groundwater into indoor air in a residential structure. This is a conservative estimate since the building structures are industrial on the subject property and thus representative exposure is less compared to residential screening. The cumulative indoor air risk is compared to the acceptable target cancer risk (TCR) of 1E-06 and the Target Hazard Quotient (THQ) risk of 1.0.

No VOC screened in the VISL model has a TCR level that is greater than 1.0E-05 or a THQ of 1.0. The VISL results are provide in **Appendix VI**.

3.2 Evaluation of Groundwater Ecological Risk

A channel traverses the central portion of the property in a west to east direction and is considered a drainage ditch with ephemeral characteristics (stream channel which carries water only during and immediately after a rainfall event). An unnamed tributary of Penholoway Creek flows southward along the eastern property boundary.

Samples have been collected in various locations from the surface water features in 2006, 2008, and 2016. VOCs have not been detected above Georgia In-Stream Water Quality Standards (ISWQS) in the samples. Historical surface water analytical results are summarized on **Table 5**.

3.3 Point of Demonstration for Groundwater

The point of demonstration for groundwater is 1,000 feet down-gradient of monitoring well MW-6.

4.0 Proposed Remediation Plan

The proposed Remediation Plan includes the following tasks:

- Submittal and approval of this VRP Application
- One comprehensive groundwater monitoring event and report
- One limited groundwater monitoring event and report
- Recording of Groundwater Use Restriction Covenant
- Delisting from the HSI

Groundwater concentrations are near or below the RRSs for the COCs. S&ME anticipates that the COC concentrations, which are stable, will not pose a human or ecological risk.

4.1 Institutional Controls

The following institutional controls will be applied to ensure that the conditions at the Site are managed accordingly to be protective of human health and the environment:

- Groundwater use restriction environmental covenant that prohibits the use of groundwater at the site

4.2 Groundwater Monitoring Well Installation

Based on current data and previous EPD comments, the installation of one additional well between monitoring wells MW-3A and MW-7D is recommended to further assist in the VOC groundwater vertical delineation. The proposed well (PMW-25) will be installed as a Type III monitoring well to a total depth of approximately 55 feet bgs. The proposed monitoring well location is shown on **Figure 10**.

4.3 Groundwater and Surface Water Monitoring

Currently there is no monitoring and reporting schedule for the site. Groundwater monitoring and reporting on a semi-annual basis for a period of one year is being recommended for the site upon approval of the VRP application. The groundwater monitoring will include one comprehensive and one limited gauging and sampling of monitoring wells. The limited gauging and sampling event will include monitoring wells MW-1, MW-1A, MW-1B, MW-2, MW-2A, MW-3A, MW-6, MW-6A, MW-6E, MW-7, MW-7A, MW-7D, MW-9, MW-9A,, MW-17, MW-20, MW-21, MW-22, MW-23, MW-23A, and MW-25. Low-flow groundwater sampling of monitoring wells associated with the site in accordance with EPA Region IV Science and Ecosystem Support Division Operating Procedures (SESDOP) will be performed. The groundwater samples will be analyzed for VOCs by EPA Method 8260B. In addition, samples will be collected from selected monitoring wells (MW-7D, MW-8A, MW-12A) and analyzed for metals by EPA Method 6010.

Surface water samples will be collected during the comprehensive groundwater gauging and monitoring event from similar locations where samples were collected during the November 2016 Progress Report. The surface water samples collected will be analyzed for VOCs by EPA Method 8260B.

4.4 Projected Milestone Schedule

The projected milestone is the implementation of the institutional control/groundwater use covenant, proposed monitoring well installation and two groundwater sampling events (one comprehensive and one limited). A groundwater monitoring report, with the most recent groundwater data, will be submitted after each sampling event to Georgia EPD within 60 days after receiving the laboratory analytical data. If the analytical data indicates decreased or stable COC trends; GDOT will request that the site be delisted from the HSI. A milestone schedule in Gant format is included in **Appendix VII.**

5.0 Groundwater Scientist and Certification Statement

We certify that we are qualified groundwater scientists who have received baccalaureate or post-graduate degrees in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable us to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport.

We further certify that this report (Voluntary Remediation Plan for Georgia Department of Transportation, HSI Site No. 10742, 204 North Highway 301, Jesup, Wayne County, Georgia) was prepared by us and appropriate qualified professionals working under our direction in accordance with a system designed to ensure that qualified personnel properly evaluated the information submitted. Based on our inquiry of the persons who prepared this report, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

3/27/17

William J. Wagner, Jr., P.E. Date
State of Georgia Professional Engineer No. 031309

6.0 Electronic Report Copy Certification

I certify that the enclosed report (Progress Report for Georgia Department of Transportation, HSI Site No. 10742, 204 North Highway 301, Jesup, Wayne County, Georgia) and associated data files, provided on two (2) compact discs (CDs) in Portable Document Format (PDF), are complete and identical to the paper copy of the report submitted concurrently with these CDs and are virus free.

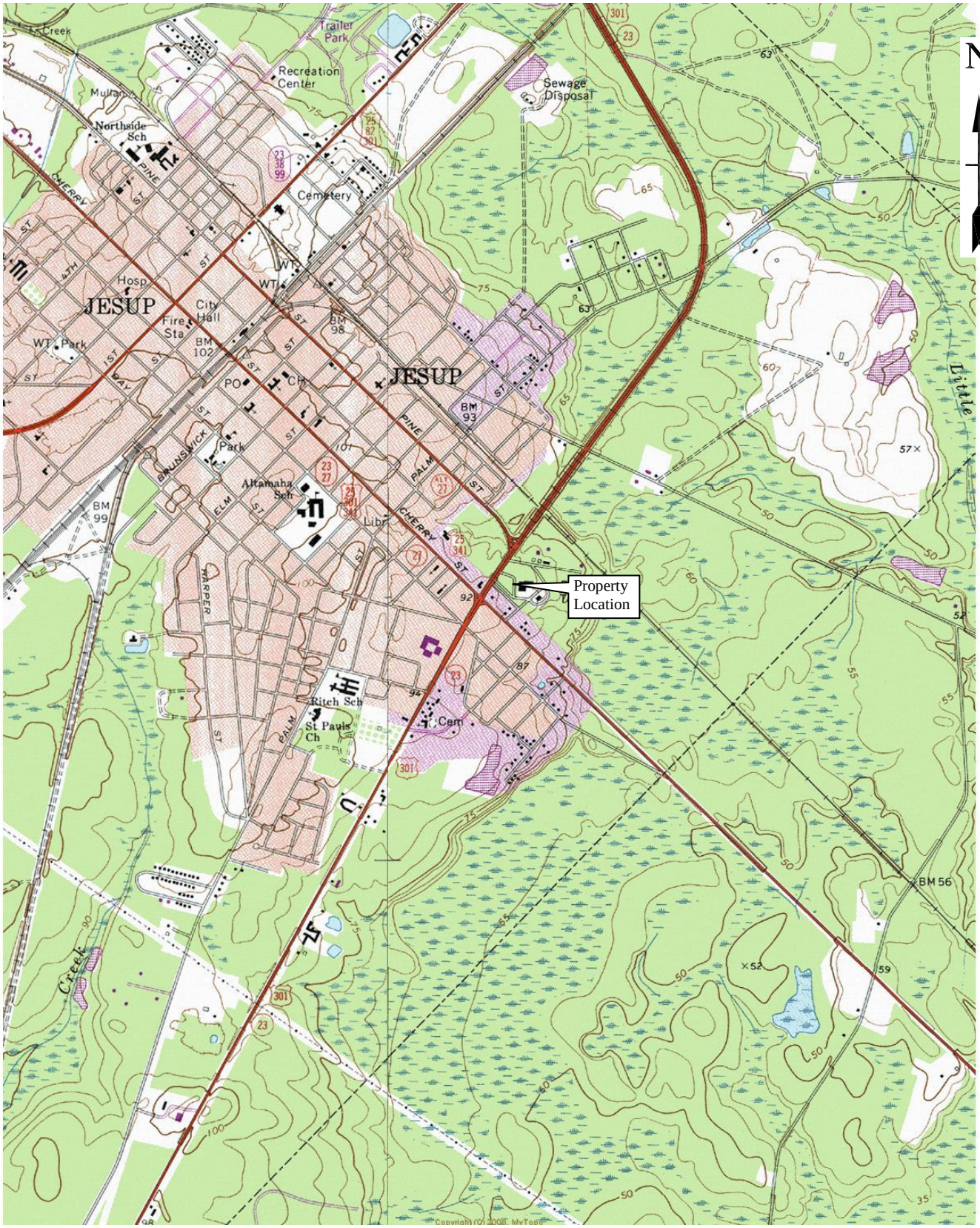
3/27/17

William J. Wagner, Jr., P.E. Date
Project Engineer
S&ME, Inc.

7.0 References

- S&ME, March 2015, Progress Report, Georgia Department of Transportation, Gainesville Jesup District Office HSI Site No. 10742.
- S&ME, February 2012, Progress Report, Georgia Department of Transportation, Gainesville Jesup District Office HSI Site No. 10742.
- S&ME, March 2011, Response to Notice of Deficiencies, Georgia Department of Transportation, Gainesville Jesup District Office HSI Site No. 10742.
- S&ME, December 2010, Response to Notice of Deficiencies, Georgia Department of Transportation, Jesup District Office HSI Site No. 10742.
- S&ME, May 2010, Corrective Action Plan, Georgia Department of Transportation, Jesup District Office HSI Site No. 10742.
- aquaFusion, Inc., October 2006, CSR, Georgia Department of Transportation, Jesup District Office HSI Site No. 10742.
- USGS Topographic Map, Jesup East, GA Quadrangle, dated 1970
- Google Earth Photograph, dated 2014
- Clark and Zisa, 1976 Physiographic Map of Georgia, dated 1976
- GSI, 2003, 2004 Mann Kendal Toolkit, Developed for MAROS Software (Aziz et al and AFCEE), VISL Calculator, 2014, U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response Office of Superfund Remediation and Technology Innovation Washington, D.C. 20460
- EPA OSWER, April 11, 2013, "Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air"

Figures



Source: 1970 Jesup East, GA Quadrangle Map, Revised 1988

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CHECKED BY: BJW		Project: Jesup DOT – District Office	Figure No. 1
DRAWN BY: RC		Location: 204 North Hwy. 301, Jesup, Wayne, County, Georgia	
DATE: 1-18-17		Number: 4468-14-083A	

LEGEND

PROPERTY BOUNDARY

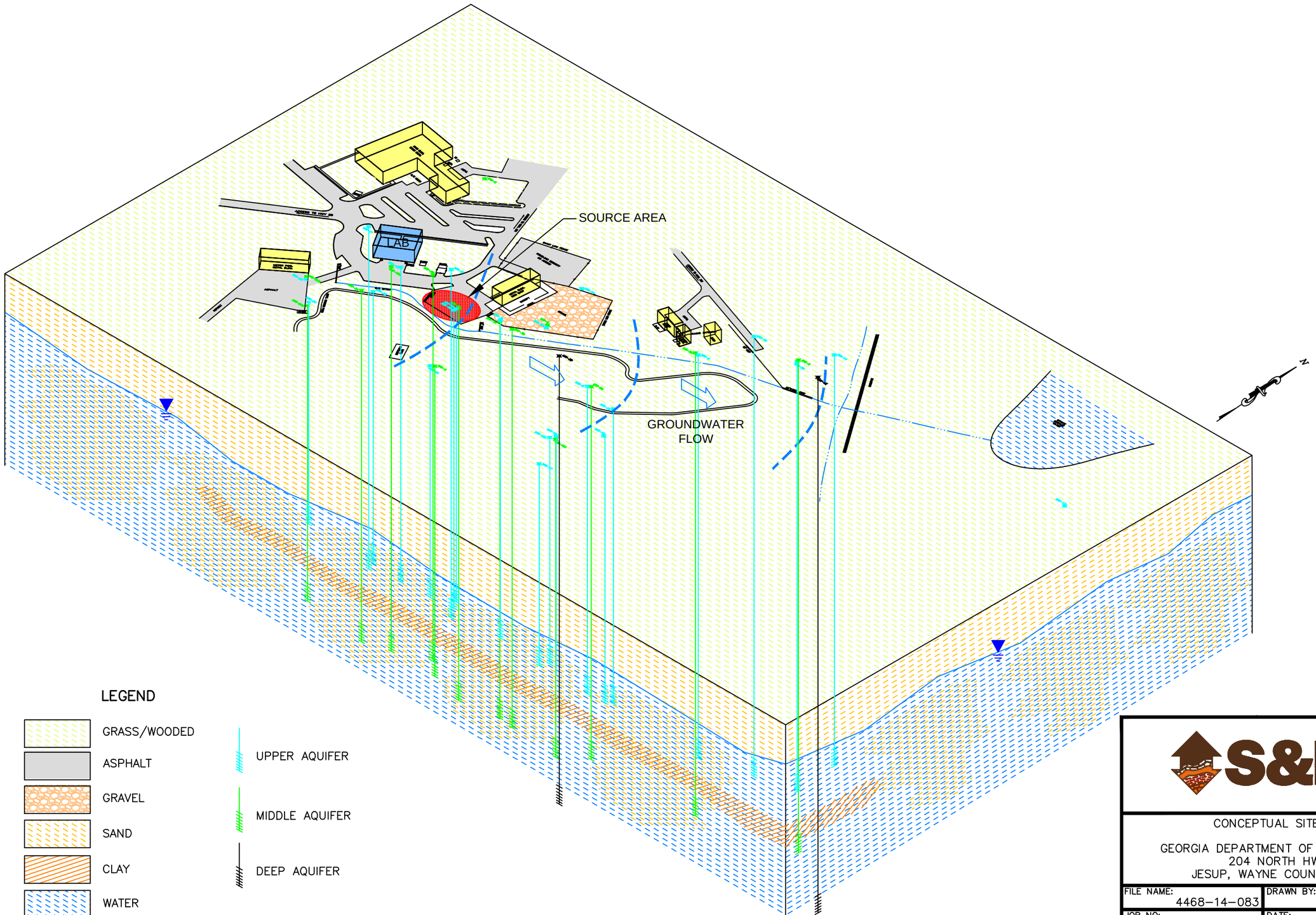
SCALE

400 200 0 400

1"~400'

SCALE: AS SHOWN	S&ME	AERIAL MAP GEORGIA DPARTMENT OF TRANSPORTATION 204 NORTH HWY 301 JUSUP, WAYNE COUNTY, GEORGIA	FIGURE NO. 2
APPROVED BY: BJW			
DRAWN BY: RC			
DATE: 1-26-17		JOB NO: 4468-14-083A	

T:\PROJECTS\2014\ENV\4468-14-083A GDOT Jesup-VRP\VRP\FIGURES\4468-14-083A-CONCEPTUAL.DWG



LEGEND

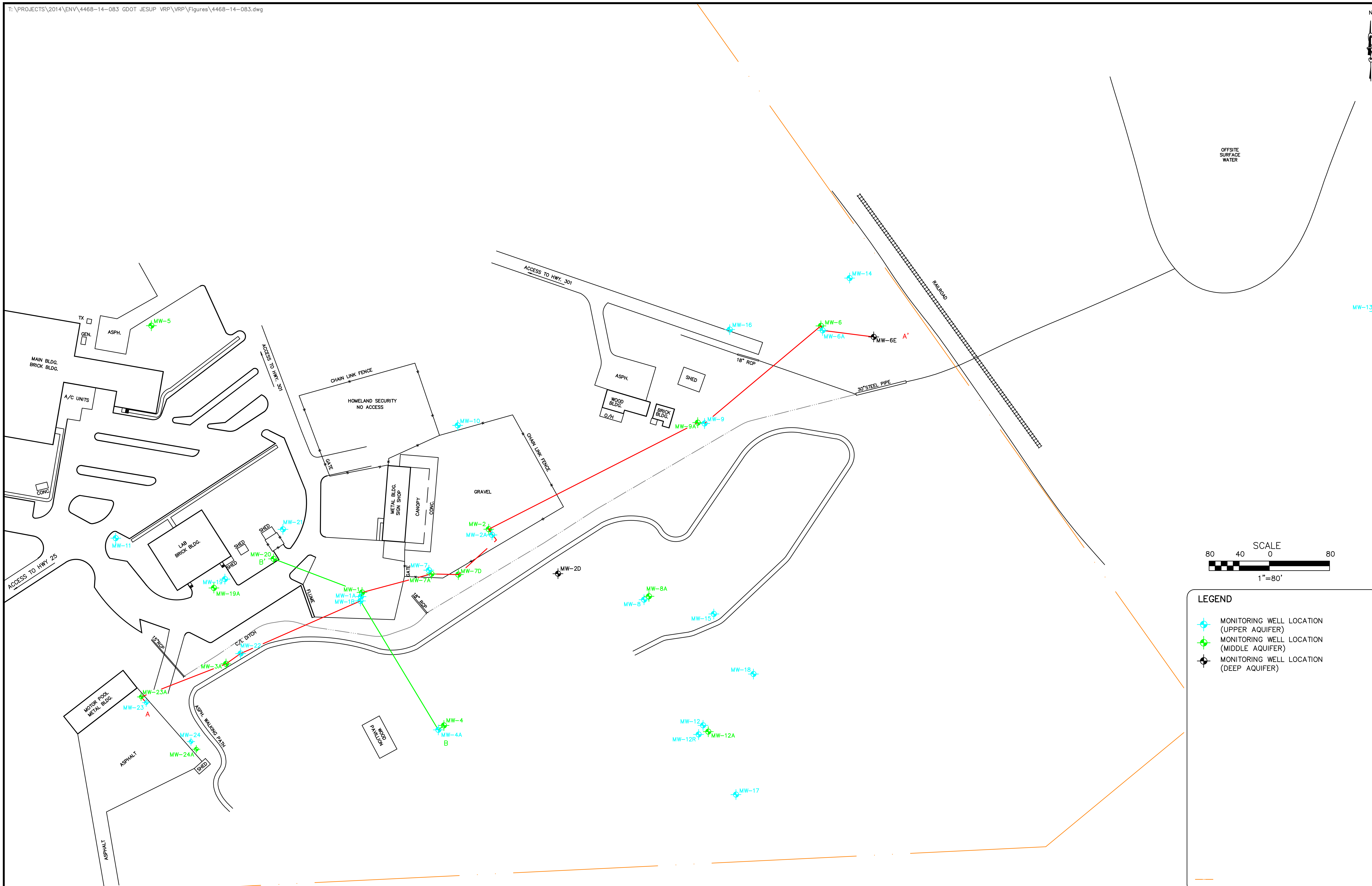
- GRASS/WOODED
- ASPHALT
- GRAVEL
- SAND
- CLAY
- WATER
- UPPER AQUIFER
- MIDDLE AQUIFER
- DEEP AQUIFER

S&ME

CONCEPTUAL SITE MODEL

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

FILE NAME:	DRAWN BY:	CHK'D BY:
4468-14-083	RC	BJW
JOB NO:	DATE:	FIGURE NO:
4468-14-083A	1-30-17	3



S&ME

CROSS-SECTION LINE MAP

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME:	4468-14-083	DRAWN BY:	RC	CHK'D BY:	BJW
JOB NO:	4468-14-083A	DATE:	1-30-17	FIGURE NO:	4

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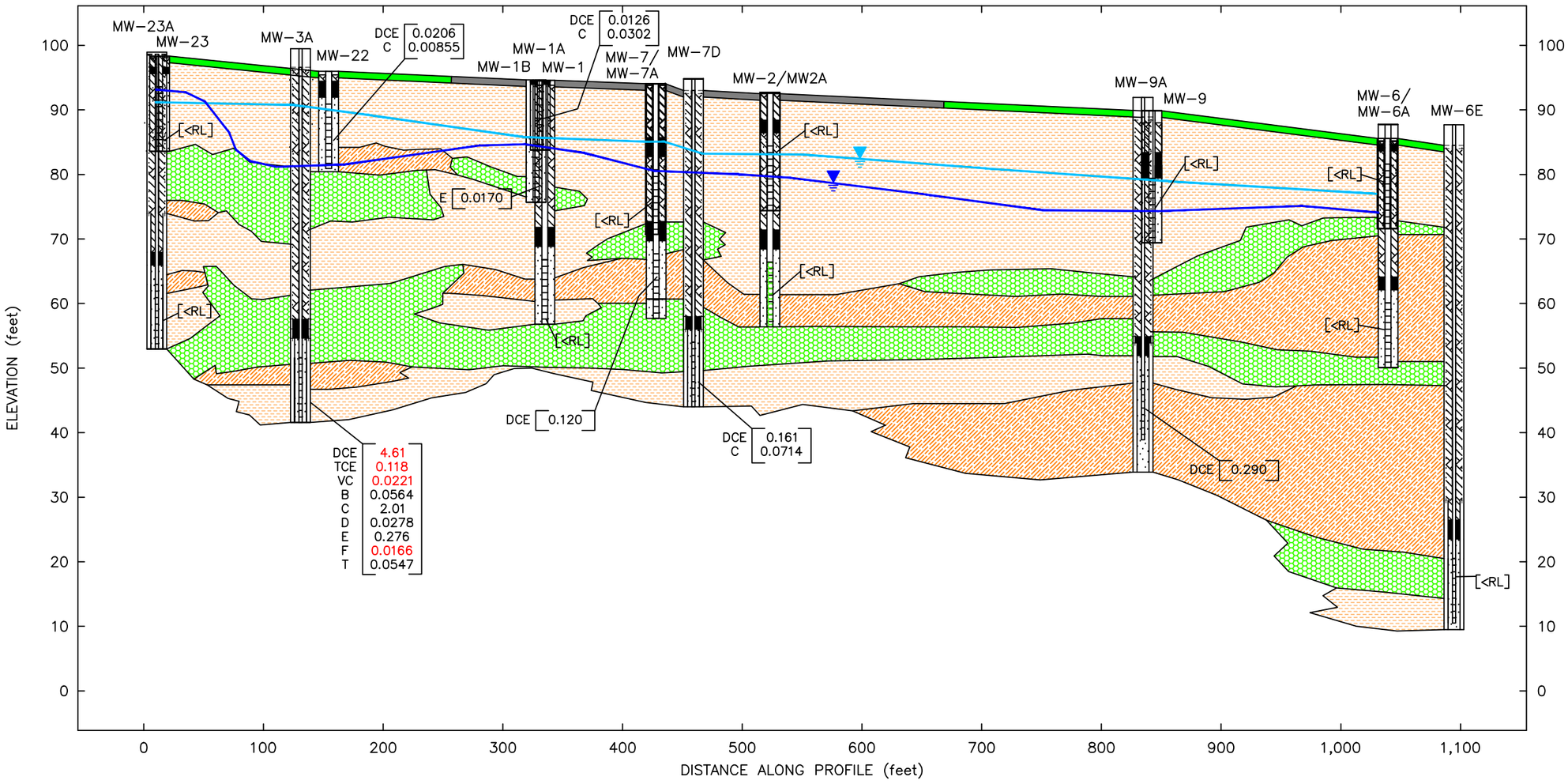

N

LITHOLOGY GRAPHICS

- SAND
- SANDY CLAY
- CLAY
- ASPHALT
- GRASS
- GROUNDWATER TABLE (SHALLOW AQUIFER)
- GROUNDWATER TABLE (MIDDLE AQUIFER)

LEGEND

DCE	1,1-DICHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
B	CIS-1,2 DICHLOROETHENE
C	1,1,1-TRICHLOROETHANE
D	1,1,2-TRICHLOROETHANE
E	1,1-DICHLOROETHANE
F	1,2-DICHLOROETHANE
T	TOLUENE
RL	REPORTING LIMITS

HORIZONTAL SCALE

100 0 100

1"=100'

VERTICAL EXAGGERATION = 5.5x

S&ME

CROSS-SECTION A-A'

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

FILE NAME:	DRAWN BY:	CHK'D BY:
A-A1	RC	BJW
JOB NO:	DATE:	FIGURE NO:
4468-14-083A	1-30-17	5A

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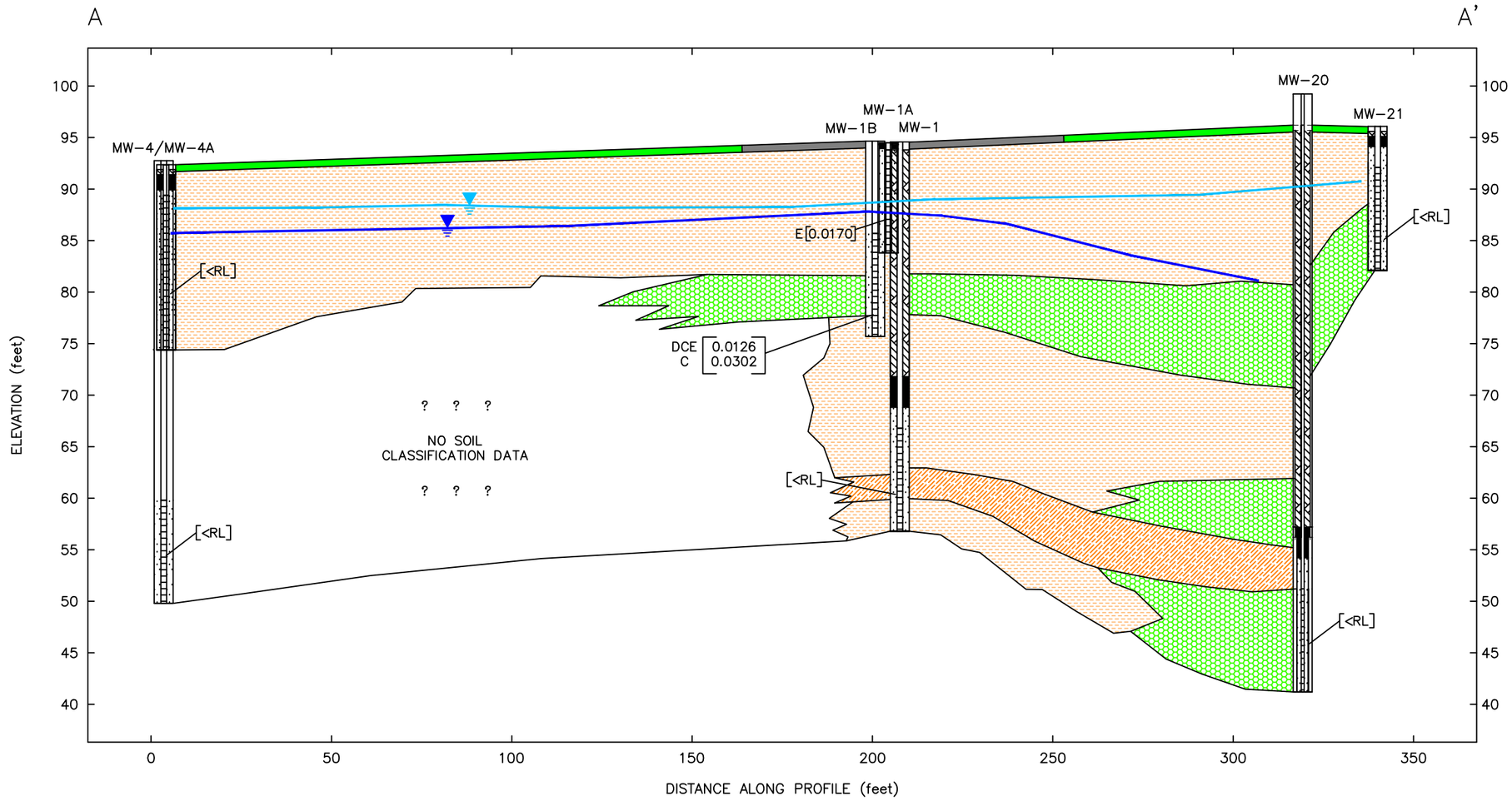


LITHOLOGY GRAPHICS

- SAND
- SANDY CLAY
- CLAY
- ASPHALT
- GRASS
- GROUNDWATER TABLE (SHALLOW AQUIFER)
- GROUNDWATER TABLE (MIDDLE AQUIFER)

LEGEND

DCE	1,1-DICHLOROETHENE
C	1,1,1-TRICHLOROETHANE
E	1,1-DICHLOROETHANE
RL	REPORTING LIMITS

HORIZONTAL SCALE

35 0 35

1"=35'

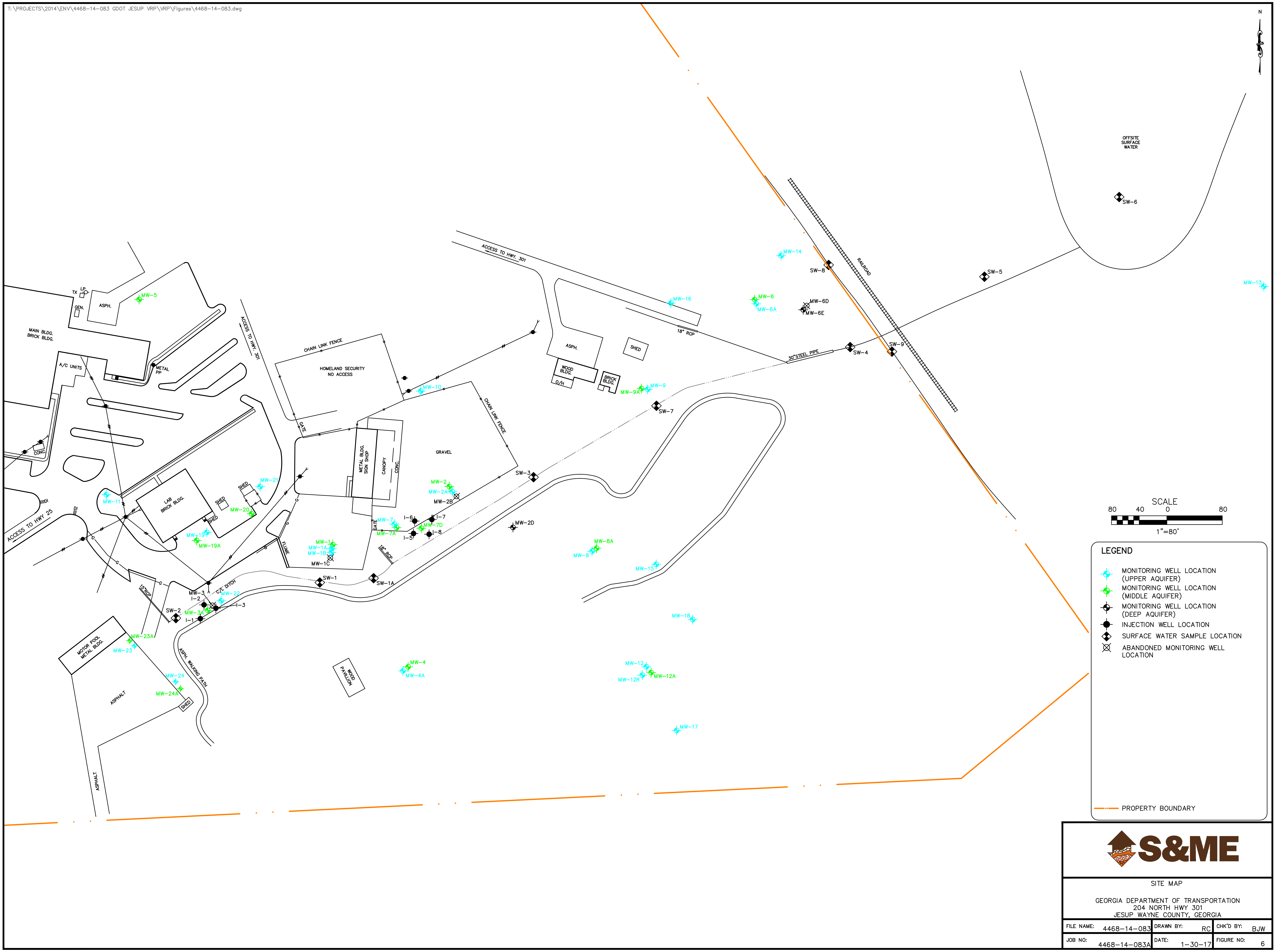
VERTICAL EXAGGERATION = 3x

S&ME

CROSS-SECTION B-B'

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

FILE NAME:	DRAWN BY:	CHK'D BY:
A-A1	RC	BJW
JOB NO:	DATE:	FIGURE NO:
4468-14-083A	1-30-17	5B



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N
OFFSITE SURFACE WATER
SW-6
SW-5
SW-4
SW-9
SW-8
RAILROAD
MW-14
MW-13
MW-6
MW-6A
MW-6D
MW-6E
MW-16
18" RCP
30" STEEL PIPE
ACCESS TO HWY. 301
ASPH.
SHED
WOOD BLDG.
O/H
BRICK BLDG.
MW-9
MW-9A
SW-7
CHAIN LINK FENCE
HOMELAND SECURITY NO ACCESS
MW-10
GRAVEL
METAL BLDG. SIGN SHOP
CANOPY
CONC.
GATE
SW-3
MW-2
MW-2A
MW-2B
MW-2D
I-6
I-7
I-5
I-8
MW-7
MW-7A
MW-7D
MW-8A
MW-8
MW-15
MW-1A
MW-1A
MW-1B
MW-1C
SW-1
SW-1A
18" RCP
FLUME
MAIN BLDG. BRICK BLDG.
TX
LP
GEN.
ASPH.
MW-5
A/C UNITS
METAL PP
CONC.
LAB BRICK BLDG.
SHED
MW-21
MW-20
MW-11
MW-19
MW-19A
ACCESS TO HWY 25
MW-3
I-2
C/L DITCH
MW-22
I-3
SW-2
MW-3A
I-1
15" RCP
MOTOR POOL METAL BLDG.
MW-23A
MW-23
ASPH. WALKING PATH
MW-24
MW-24A
SHED
ASPHALT
ASPHALT
WOOD PAVILION
MW-4
MW-4A
MW-18
MW-12
MW-12R
MW-12A
MW-17
SCALE
80 40 0 80
1"=80'
LEGEND
MONITORING WELL LOCATION (UPPER AQUIFER)
MONITORING WELL LOCATION (MIDDLE AQUIFER)
MONITORING WELL LOCATION (DEEP AQUIFER)
INJECTION WELL LOCATION
SURFACE WATER SAMPLE LOCATION
ABANDONED MONITORING WELL LOCATION
PROPERTY BOUNDARY
S&ME
SITE MAP
GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA
FILE NAME: 4468-14-083
DRAWN BY: RC
CHK'D BY: BJW
JOB NO: 4468-14-083A
DATE: 1-30-17
FIGURE NO: 6

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N

ACCESS TO HWY. 301

ACCESS TO HWY. 25

MAIN BLDG.
BRICK BLDG.

TX
GEN.

ASPH.

A/C UNITS

CONC.

LAB
BRICK BLDG.

SHED

SHED

SHED

MW-11
(92.77)

(90.84)
MW-21

(91.76)
MW-19

(89.67)
MW-1A
(89.70)
MW-1B

(91.24)
MW-22

CHAIN LINK FENCE

HOMELAND SECURITY
NO ACCESS

GATE

MW-10
(88.48)

METAL BLDG.
SIGN SHOP

CANOPY
CONC.

GRAVEL

CHAIN LINK FENCE

(87.68) MW-2A

(89.15)
MW-7

GATE

12" RCP

15" RCP

FLUME

C.L. DITCH

MOTOR POOL
METAL BLDG.

MW-23
(91.53)

(91.56)
MW-24

ASPHALT

ASPH. WALKING PATH

SHED

ASPHALT

91.00

90.00

92.00

91.00

90.00

89.00

MW-4A
(88.45)

88.00

87.00

86.00

85.00

84.00

83.00

82.00

81.00

80.00

ASPH.

WOOD
BLDG.

O/H

BRICK
BLDG.

SHED

MW-16
(83.42)

18" RCP

MW-6A
(81.15)

MW-14
(79.14)

(83.95)
MW-9

30" STEEL PIPE

RAILROAD

OFFSITE
SURFACE
WATER

MW-13
(NG)

MW-8
(85.14)

(83.04)
MW-15

MW-18
(83.22)

MW-12
(83.11)

MW-12R
(83.83)

MW-17
(83.17)

SCALE
80 40 0 80
1"=80'

LEGEND

- MONITORING WELL LOCATION (UPPER AQUIFER)
- (72.00) GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- POTENTIOMETRIC CONTOUR LINE
- (NG) NOT GAUGED
- PROPERTY BOUNDARY

S&ME

POTENTIOMETRIC SURFACE MAP-UPPER AQUIFER (NOVEMBER 2016)
GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 4468-14-083	DRAWN BY: RC	CHK'D BY: BJW	
JOB NO: 4468-14-083A	DATE: 1-30-17	FIGURE NO: 7A	

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N

OFFSITE SURFACE WATER

RAILROAD

18" RCP

30"STEEL PIPE

ACCESS TO HWY. 301

MW-6 (81.14)

MW-9A (81.24)

ASPH.

SHED

WOOD BLDG.

BRICK BLDG.

O/H

CHAIN LINK FENCE

HOMELAND SECURITY NO ACCESS

GATE

GRAVEL

METAL BLDG. SIGN SHOP

CANOPY CONC.

MW-2 (88.49)

MW-7D (85.95)

MW-7A (88.90)

18" RCP

MW-8A (82.42)

MW-1 (89.60)

FLUME

MW-19A (74.36)

MW-20 (81.32)

LAB BRICK BLDG.

SHED

SHED

MAIN BLDG. BRICK BLDG.

TX

GEN.

ASPH.

MW-5 (92.33)

A/C UNITS

CONC.

ACCESS TO HWY 25

C/L DITCH

MW-3A (81.62)

MW-23A (92.14)

MOTOR POOL METAL BLDG.

ASPHALT

MW-24A (85.72)

SHED

ASPH. WALKING PATH

ASPHALT

WOOD PAVILION

MW-4 (86.06)

MW-12A (82.37)

89.00 88.00 87.00 86.00 85.00 84.00 83.00 82.00 92.00 91.00 90.00

SCALE

80 40 0 80

1"=80'

LEGEND

- MONITORING WELL LOCATION (MIDDLE AQUIFER)
- (72.00) GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- POTENTIOMETRIC CONTOUR LINE
- PROPERTY BOUNDARY

S&ME

POTENTIOMETRIC SURFACE MAP-MIDDLE AQUIFER (NOVEMBER 2016)

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 4468-14-083	DRAWN BY: RC	CHK'D BY: BJW	
JOB NO: 4468-14-083A	DATE: 1-30-17	FIGURE NO: 7B	

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N

MW-5
TX
GEN.
ASPH.
MAIN BLDG.
BRICK BLDG.
A/C UNITS
CONC.
ACCESS TO HWY. 301
CHAIN LINK FENCE
HOMELAND SECURITY
NO ACCESS
GATE
MW-10
CHAIN LINK FENCE
GRAVEL
METAL BLDG.
SIGN SHOP
CANOPY
CONC.
SB-4
MW-2
MW-2A
MW-21
SHED
MW-11
LAB
BRICK BLDG.
SHED
MW-20
SB-1
SHED
MW-19
MW-19A
SB-3
SB-5
SB-7
MW-1
MW-1A
MW-1B
B-4
SB-6
SB-8
SB-9
SB-2
RUME
GATE
MW-7
MW-7A
MW-7D
18" RCP
SB-10
MW-2D
ACCESS TO HWY 25
15" RCP
C/L DITCH
MW-22
MW-3A
MW-23A
MW-23
MOTOR POOL
METAL BLDG.
ASPH. WALKING PATH
MW-24
MW-24A
SB-1A
SHED
SB-2A
ASPHALT
ASPHALT
WOOD
PAVILION
MW-4
MW-4A
ASPH.
SHED
WOOD
BLDG.
O/H
BRICK
BLDG.
MW-9A
MW-9
MW-16
MW-14
MW-6
MW-6A
MW-6E
18" RCP
30"STEEL PIPE
RAILROAD
OFFSITE
SURFACE
WATER
MW-13
MW-8A
MW-8
MW-15
MW-18
MW-12
MW-12R
MW-12A
MW-17

SCALE
80 40 0 80
1"=80'

LEGEND

- MONITORING WELL LOCATION (UPPER AQUIFER)
- MONITORING WELL LOCATION (MIDDLE AQUIFER)
- MONITORING WELL LOCATION (DEEP AQUIFER)
- SOIL BORING LOCATION
- PROPERTY BOUNDARY

S&ME

SOIL BORING LOCATIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 4468-14-083	DRAWN BY: RC	CHK'D BY: BJW	
JOB NO: 4468-14-083A	DATE: 1-30-17	FIGURE NO: 8	

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N

OFFSITE SURFACE WATER

RAILROAD

MW-13 (NS)

ACCESS TO HWY. 301

MW-14 <RL

MW-16 <RL

MW-6A <RL

18" RCP

DCE 0.014

ASPH.

SHED

WOOD BLDG.

O/H

BRICK BLDG.

30" STEEL PIPE

MW-9 <RL

CHAIN LINK FENCE

HOMELAND SECURITY NO ACCESS

MW-10 <RL

GATE

GRAVEL

METAL BLDG. SIGN SHOP

CANOPY CONC.

MW-2A <RL

MW-7 <RL

DATE

TX

GEN.

ASPH.

MAIN BLDG. BRICK BLDG.

A/C UNITS

CONC.

ACCESS TO HWY 25

MW-11 <RL

LAB BRICK BLDG.

SHED

SHED

SHED

MW-21 <RL

MW-19 <RL

C 0.0170

MW-1A

MW-1B

FLUME

18" RCP

MW-8

DCE 0.144
C 0.0798
E 0.0125

DCE 0.117
C 0.0121

MW-15

C/L DITCH

MW-22 <RL

DCE 0.0206
C 0.00855

DCE 0.0126
C 0.0302

15" RCP

MOTOR POOL METAL BLDG.

MW-23 <RL

MW-24 <RL

ASPHALT

SHED

ASPH. WALKING PATH

ASPHALT

WOOD PAVILION

MW-4A <RL

MW-18 <RL

<RL

MW-12

MW-12R <RL

MW-17 <RL

SCALE
80 40 0 80
1"=80'

LEGEND

- MONITORING WELL LOCATION (UPPER AQUIFER)
- DCE 1,1-DICHLOROETHENE (mg/L)
- C 1,1,1 TRICHLOROETHANE (mg/L)
- E 1,1-DICHLOROETHANE (mg/L)
- <RL LESS THAN REPORTING LIMITS
- (NS) NOT SAMPLED
- TYPE I RRS DELINEATION
- PROPERTY BOUNDARY

S&ME

GROUNDWATER QUALITY (NOVEMBER 2016)
UPPER AQUIFER (VOCs)
GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 4468-14-083	DRAWN BY: RC	CHK'D BY: BJW
JOB NO: 4468-14-083A	DATE: 1-30-17	FIGURE NO: 9A

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N

OFFSITE SURFACE WATER

RAILROAD

ACCESS TO HWY. 301

18" RCP

30"STEEL PIPE

MW-6 <RL

ASPH.

SHED

WOOD BLDG.

O/H

BRICK BLDG.

MW-9A
DCE 0.290

TX

GEN.

MW-5 <RL

ASPH.

MAIN BLDG.
BRICK BLDG.

A/C UNITS

CONC.

ACCESS TO HWY. 301

CHAIN LINK FENCE

HOMELAND SECURITY
NO ACCESS

GATE

CHAIN LINK FENCE

METAL BLDG.
SIGN SHOP

CANOPY

CONC.

GRAVEL

MW-2 <RL

ACCESS TO HWY 25

LAB
BRICK BLDG.

SHED

SHED

MW-20 <RL

MW-19A <RL

MW-1 <RL

GATE

MW-7A
DCE 0.120

MW-7D

DCE 0.161
C 0.0714

18" RCP

FLUME

MW-8A <RL

15" RCP

C/L DITCH

MW-3A

DCE 4.61
TCE 0.118
VC 0.0221
B 0.0564
C 2.01
D 0.0278
E 0.276
F 0.0166

MW-23A <RL

MOTOR POOL
METAL BLDG.

ASPH. WALKING PATH

WOOD PAVILION

MW-4 <RL

MW-12A <RL

ASPHALT

MW-24A <RL

SHED

ASPHALT

SCALE
80 40 0 80
1"=80'

LEGEND

- MONITORING WELL LOCATION (MIDDLE AQUIFER)

TCE	TRICHLOROETHENE (mg/L)
DCE	1,1-DICHLOROETHENE (mg/L)
VC	VINYL CHLORIDE (mg/L)
B	cis-1,2-DCE (mg/L)
C	1,1,1 TRICHLOROETHANE (mg/L)
D	1,1,2-TRICHLOROETHANE (mg/L)
E	1,1-DICHLOROETHANE (mg/L)
F	1,2-DICHLOROETHANE (mg/L)
T	TOLUENE
RED	CONCENTRATION ABOVE RRS
<RL	LESS THAN REPORTING LIMITS

- TYPE I RRS DELINEATION

S&ME

GROUNDWATER QUALITY (NOVEMBER 2016)
MIDDLE AQUIFER (VOCs)
GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 4468-14-083	DRAWN BY: RC	CHK'D BY: BJW	
JOB NO: 4468-14-083A	DATE: 1-30-17	FIGURE NO: 9B	

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N

OFFSITE SURFACE WATER

RAILROAD

ACCESS TO HWY. 301

18" RCP

30" STEEL PIPE

MW-6E
<RL

ASPH.

SHED

WOOD BLDG.

BRICK BLDG.

O/H

TX

GEN.

ASPH.

MAIN BLDG.
BRICK BLDG.

A/C UNITS

CONC.

ACCESS TO HWY. 301

CHAIN LINK FENCE

HOMELAND SECURITY
NO ACCESS

GATE

CHAIN LINK FENCE

GRAVEL

METAL BLDG.
SIGN SHOP

CANOPY

CONC.

GATE

MW-2D
<RL

ACCESS TO HWY. 25

LAB
BRICK BLDG.

SHED

SHED

SHED

FLUME

18" RCP

13" RCP

C/L DITCH

MOTOR POOL
METAL BLDG.

ASPHALT

SHED

ASPH. WALKING PATH

WOOD PAVILION

ASPHALT

SCALE
80 40 0 80
1"=80'

LEGEND

MONITORING WELL LOCATION
(DEEP AQUIFER)

<RL LESS THAN REPORTING LIMITS

PROPERTY BOUNDARY

S&ME

GROUNDWATER QUALITY (NOVEMBER 2016)
DEEP AQUIFER (VOCs)
GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 1684-07-807E	DRAWN BY: CLH	CHK'D BY: PGM
JOB NO: 1684-07-807E	DATE: 1-9-12	FIGURE NO: 9C

T:\PROJECTS\2014\ENV\4468-14-083 GDOT JESUP VRP\VRP\Figures\4468-14-083.dwg

N

OFFSITE SURFACE WATER

RAILROAD

ACCESS TO HWY. 301

ACCESS TO HWY. 25

MW-5

TX

GEN.

ASPH.

MAIN BLDG. BRICK BLDG.

A/C UNITS

CONC.

CHAIN LINK FENCE

HOMELAND SECURITY NO ACCESS

GATE

MW-10

CHAIN LINK FENCE

METAL BLDG. SIGN SHOP

CANOPY

CONC.

GRAVEL

MW-16

18" RCP

MW-14

MW-6

MW-6A

MW-6E

MW-13

ASPH.

SHED

WOOD BLDG.

O/H

BRICK BLDG.

MW-9A

MW-9

30"STEEL PIPE

MW-2

MW-2A

MW-2D

MW-7

MW-7A

MW-7D

GATE

MW-1

MW-1A

MW-1B

18" RCP

PMW-25

FLUME

C/L DITCH

15" RCP

MW-22

MW-3A

MW-23A

MW-23

MOTOR POOL METAL BLDG.

ASPHALT

MW-24

MW-24A

SHED

ASPH. WALKING PATH

WOOD PAVILION

MW-4

MW-4A

MW-8A

MW-8

MW-15

MW-18

MW-12

MW-12R

MW-12A

MW-17

MW-11

LAB BRICK BLDG.

SHED

SHED

MW-21

MW-20

MW-19

MW-19A

ASPHALT

SCALE

80 40 0 80

1"=80'

LEGEND

- MONITORING WELL LOCATION (UPPER AQUIFER)
- MONITORING WELL LOCATION (MIDDLE AQUIFER)
- MONITORING WELL LOCATION (DEEP AQUIFER)
- PROPOSED MONITORING WELL LOCATION (MIDDLE AQUIFER)
- PROPERTY BOUNDARY

S&ME

PROPOSED MONITORING WELL LOCATION MAP

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 4468-14-083	DRAWN BY: RC	CHK'D BY: BJW	
JOB NO: 4468-14-083A	DATE: 1-30-17	FIGURE NO: 10	

Tables

Table 1

Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-1[4]	1/10/2006	81.67	-0.24	81.91	3.74	3.98	54.81	44.81	77.93
	2/7/2006				3.33	3.57			78.34
	3/15/2006				4.09	4.33			77.58
	7/12/2006				5.20	5.44			76.47
	8/2/2006				5.22	5.46			76.45
	8/5/2008	94.56	-0.24	94.80	5.50	5.74	67.33	57.33	89.06
	8/14/2008				5.19	5.43			89.37
	10/7/2009				4.71	4.95			89.85
	2/2/2010				3.22	3.46			91.34
	6/13/2011				6.61	6.85			87.95
	11/7/2011				5.88	6.12			88.68
	1/5/2015				3.85	4.09			90.71
	11/7/2016				4.96	5.20			89.60
MW-1A[4]	1/10/2006	81.61	-0.30	81.91	3.67	3.97	81.58	71.58	77.94
	2/7/2006				3.25	3.55			78.36
	3/15/2006				4.01	4.31			77.60
	7/12/2006				5.16	5.46			76.45
	8/2/2006				5.17	5.47			76.44
	8/6/2008	94.48	-0.32	94.80	5.37	5.69	93.93	83.93	89.11
	8/14/2008				5.05	5.37			89.43
	10/7/2009				4.57	4.89			89.91
	2/2/2010				3.26	3.58			91.22
	6/13/2011				6.43	6.75			88.05
	11/7/2011				5.73	6.05			88.75
	1/5/2015				3.75	4.07			90.73
	11/7/2016				4.81	5.13			89.67
MW-1B[4]	1/10/2006	81.57	-0.34	81.91	3.58	3.92	73.78	63.78	77.99
	2/7/2006				3.17	3.51			78.40
	3/15/2006				3.94	4.28			77.63
	7/12/2006				5.07	5.41			76.50
	8/2/2006				5.07	5.41			76.50
	8/5/2008	94.45	-0.25	94.70	5.25	5.50	86.31	76.31	89.20
	8/14/2008				4.98	5.23			89.47
	10/7/2009				4.50	4.75			89.95
	2/2/2010				3.21	3.46			91.24
	6/13/2011				6.39	6.64			88.06
	11/7/2011				5.68	5.93			88.77
	1/5/2015				3.67	3.92			90.78
	11/7/2016				4.75	5.00			89.70
MW-1C**	11/7/2016	81.57*	-0.34	81.91*	3.59	3.93	32.91	22.91	77.98
	2/7/2006				3.19	3.53			78.38
	3/15/2006				3.94	4.28			77.63
	7/12/2006				5.08	5.42			76.49
	8/2/2006				5.08	5.42			76.49
	8/5/2008				5.32	5.66			76.25
	8/14/2008				5.06	5.40			76.51
	8/20/2008	Abandoned							
MW-2[4]	1/10/2006	80.05	0.12	79.93	3.09	2.97	53.73	43.73	76.96
	2/7/2006				2.72	2.60			77.33
	3/15/2006				3.64	3.52			76.41
	7/12/2006				4.78	4.66			75.27
	8/2/2006				4.57	4.45			75.48
	8/6/2008	92.70	-0.20	92.90	4.73	4.93	66.77	56.77	87.97
	8/14/2008				4.37	4.57			88.33
	10/7/2009				3.95	4.15			88.75
	2/2/2010				2.46	2.66			90.24
	6/13/2011				5.69	5.89			87.01
	11/7/2011				4.98	5.18			87.72
	1/5/2015				3.11	3.31			89.59
	11/7/2016				4.21	4.41			88.49
MW-2A[4]	1/10/2006	79.87	-0.06	79.93	4.27	4.33	72.13	62.13	75.60
	2/7/2006				3.87	3.93			76.00
	3/15/2006				4.81	4.87			75.06
	7/12/2006				5.95	6.01			73.92
	8/2/2006				5.74	5.80			74.13
	8/7/2008	92.58	-0.32	92.90	5.32	5.64	84.78	74.78	87.26
	8/14/2008				5.00	5.32			87.58
	10/13/2009				4.75	5.07			87.83
	2/2/2010				3.72	4.04			88.86
	6/13/2011				6.29	6.61			86.29
	11/7/2011				5.47	5.79			87.11
	1/5/2015				4.21	4.53			88.37
	11/7/2016				4.90	5.22			87.68

Table 1

Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-2B	1/10/2006	79.70	-0.23	79.93	2.98	3.21	56.63	46.63	76.72
	2/7/2006				2.60	2.83			77.10
	3/15/2006				3.54	3.77			76.16
	7/12/2006				4.68	4.91			75.02
	8/2/2006				4.48	4.71			75.22
	8/5/2008	Abandoned							
MW-2D[5]	8/2/2006	77.21	2.34	74.87	4.63	2.29	10.87	0.87	72.58
	8/7/2008	93.49	2.29	91.20	13.23	10.94	27.49	17.49	80.26
	8/14/2008				12.93	10.64			80.56
	10/8/2009				12.01	9.72			81.48
	2/2/2010				10.86	8.57			82.63
	6/13/2011				13.82	11.53			79.67
	11/7/2011				13.35	11.06			80.14
	1/5/2015				11.20	8.91			82.29
	11/7/2016				12.99	10.70			80.50
MW-3A[6]	7/29/2008	99.43	2.83	96.60	13.45	10.62	51.60	41.60	85.98
	8/14/2008				13.10	10.27			86.33
	10/8/2009				12.19	9.36			87.24
	2/2/2010				10.87	8.04			88.56
	6/13/2011				14.53	11.70			84.90
	11/7/2011				13.83	11.00			85.60
	1/5/2015				11.61	8.78			87.82
	11/7/2016				17.81	14.98			81.62
MW-4[4]	1/10/2006	81.94	1.78	80.16	5.75	3.97	45.36	34.36	76.19
	2/7/2006				5.36	3.58			76.58
	3/15/2006				6.31	4.53			75.63
	7/12/2006				7.57	5.79			74.37
	8/2/2006				7.57	5.79			74.37
	8/12/2008	94.84	2.04	92.80	7.63	5.59	60.02	50.02	87.21
	8/14/2008				8.01	5.97			86.83
	10/8/2009				7.05	5.01			87.79
	2/2/2010				5.50	3.46			89.34
	6/13/2011				9.06	7.02			85.78
	11/7/2011				8.12	6.08			86.72
	1/5/2015				6.11	4.07			88.73
	11/7/2016				8.78	6.74			86.06
MW-4A[6]	7/29/2008	95.63	3.23	92.40	7.01	3.78	89.40	74.40	88.62
	8/14/2008				7.48	4.25			88.15
	10/13/2009				6.93	3.70			88.70
	2/2/2010				4.25	1.02			91.38
	6/13/2011				8.74	5.51			86.89
	11/7/2011				7.85	4.62			87.78
	1/5/2015				5.43	2.20			90.20
	11/7/2016				7.18	3.95			88.45
MW-5[4]	1/10/2006	86.24	1.29	84.95	4.81	3.52	50.35	40.35	81.43
	2/7/2006				4.40	3.11			81.84
	3/15/2006				5.32	4.03			80.92
	7/12/2006				6.96	5.67			79.28
	8/2/2006				6.96	5.67			79.28
	8/12/2008	99.07	1.37	97.70	7.35	5.98	64.32	54.32	91.72
	8/14/2008				7.32	5.95			91.75
	10/8/2009				6.40	5.03			92.67
	2/2/2010				4.14	2.77			94.93
	6/13/2011				8.47	7.10			90.60
	11/7/2011				8.08	6.71			90.99
	1/5/2015				5.35	3.98			93.72
	11/7/2016				6.74	5.37			92.33
MW-6[4]	2/7/2006	74.92	3.20	71.72	5.73	2.53	44.22	34.22	69.19
	3/15/2006				6.65	3.45			68.27
	7/12/2006				8.29	5.09			66.63
	8/2/2006				8.11	4.91			66.81
	8/7/2008	87.72	2.12	85.60	7.25	5.13	60.47	50.47	80.47
	8/14/2008				6.96	4.84			80.76
	10/20/2009				6.48	4.36			81.24
	2/2/2010				5.72	3.60			82.00
	6/13/2011				8.40	6.28			79.32
	11/7/2011				7.37	5.25			80.35
	1/5/2015				5.86	3.74			81.86
	11/7/2016				6.58	4.46			81.14

Table 1

Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-6A[6]	7/30/2008	88.35	2.75	85.60	7.21	4.46	81.60	71.60	81.14
	8/14/2008				7.40	4.65			80.95
	10/15/2009				7.30	4.55			81.05
	2/2/2010				6.31	3.56			82.04
	6/13/2011				8.91	6.16			79.44
	11/7/2011				7.92	5.17			80.43
	1/5/2015				6.46	3.71			81.89
	11/7/2016				7.20	4.45			81.15
MW-6D	8/2/2006	70.5	0.5	70.0	3.67	NA	6.01	-3.99	NA
	8/7/2008	Abandoned							
MW-6E	7/30/2008	87.67	3.17	84.50	19.23	16.06	20.50	10.50	68.44
	8/14/2008				19.21	16.04			68.46
	10/15/2009				17.97	14.80			69.70
	2/2/2010				16.85	13.68			70.82
	6/13/2011				19.82	16.65			67.85
	11/7/2011				20.56	17.39			67.11
	1/5/2015				17.81	14.64			69.86
	11/7/2016				19.00	15.83			68.67
MW-7	1/10/2006	81.17	0.00	81.17	3.96	3.96	68.12	58.12	77.21
	2/7/2006				3.58	3.58			77.59
	3/15/2006				4.32	4.32			76.85
	7/12/2006				5.33	5.33			75.84
	8/2/2006				5.33	5.33			75.84
	8/5/2008	94.05	-0.15	94.20	5.55	5.70	80.98	70.98	88.50
	8/14/2008				5.19	5.34			88.86
	10/7/2009				4.78	4.93			89.27
	2/2/2010				3.50	3.65			90.55
	6/13/2011				6.58	6.73			87.47
	11/7/2011				5.74	5.89			88.31
	1/5/2015				3.90	4.05			90.15
	11/7/2016				4.90	5.05			89.15
MW-7A	1/10/2006	81.23	0.00	81.23	4.03	4.03	58.20	48.20	77.20
	2/7/2006				3.63	3.63			77.60
	3/15/2006				4.37	4.37			76.86
	7/12/2006				5.39	5.39			75.84
	8/2/2006				5.42	5.42			75.81
	8/12/2008	94.04	-0.16	94.20	5.40	5.56	70.89	60.89	88.64
	8/14/2008				5.48	5.64			88.56
	10/15/2009				4.86	5.02			89.18
	2/2/2010				3.51	3.67			90.53
	6/13/2011				6.64	6.80			87.40
	11/7/2011				5.92	6.08			88.12
	1/5/2015				4.06	4.22			89.98
	11/7/2016				5.14	5.30			88.90
MW-7D	7/12/2006	81.94	1.76	80.18	7.68	5.92	41.18	31.18	74.26
	8/2/2006				7.68	5.92			74.26
	8/6/2008	94.79	1.79	93.00	8.55	6.76	55.99	45.99	86.24
	8/14/2008				8.47	6.68			86.32
	10/15/2009				7.78	5.99			87.01
	2/2/2010				6.28	4.49			88.51
	6/13/2011				9.71	7.92			85.08
	11/7/2011				8.60	6.81			86.19
	1/5/2015				5.60	3.81			89.19
	11/7/2016				8.84	7.05			85.95
MW-8	3/15/2006	77.65	1.83	75.82	4.69	2.86	66.82	56.82	72.96
	7/12/2006				5.29	3.46			72.36
	8/2/2006				5.29	3.46			72.36
	8/8/2008	90.28	1.88	88.40	4.81	2.93	80.04	70.04	85.47
	8/14/2008				4.76	2.88			85.52
	10/13/2009				4.65	2.77			85.63
	2/2/2010				2.57	0.69			87.71
	6/13/2011				6.57	4.69			83.71
	11/7/2011				5.34	3.46			84.94
	1/5/2015				3.92	2.04			86.36
	11/7/2016				5.14	3.26			85.14
MW-8A	7/31/2008	91.58	2.88	88.70	9.16	6.28	48.70	38.70	82.42
	8/14/2008				9.01	6.13			82.57
	10/14/2009				8.70	5.82			82.88
	2/2/2010				7.68	4.80			83.90
	6/13/2011				10.69	7.81			80.89
	11/7/2011				9.53	6.65			82.05
	1/5/2015				8.20	5.32			83.38
	11/7/2016				9.16	6.28			82.42

Table 1

Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL) [1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-9	3/15/2006	77.08	1.43	75.65	5.65	4.22	66.65	56.65	71.43
	7/12/2006				5.68	4.25			71.40
	8/2/2006				5.68	4.25			71.40
	8/7/2008	89.85	1.45	88.40	6.24	4.79	79.40	69.40	83.61
	8/14/2008				5.95	4.50			83.90
	10/7/2009				5.78	4.33			84.07
	2/2/2010				5.06	3.61			84.79
	6/13/2011				7.49	6.04			82.36
	11/7/2011				6.23	4.78			83.62
	1/5/2015				5.41	3.96			84.44
	11/7/2016				5.90	4.45			83.95
MW-9A	7/30/2008	91.88	2.98	88.90	10.96	7.98	48.90	38.90	80.92
	8/14/2008				10.85	7.87			81.03
	10/7/2009				10.66	7.68			81.22
	2/2/2010				9.52	6.54			82.36
	6/13/2011				12.29	9.31			79.59
	11/7/2011				11.22	8.24			80.66
	1/5/2015				9.77	6.79			82.11
	11/7/2016				10.64	7.66			81.24
MW-10	3/15/2006	83.30	3.87	79.43	7.61	3.74	72.43	62.43	75.69
	7/12/2006				7.78	3.91			75.52
	8/2/2006				7.78	3.91			75.52
	8/12/2008	96.05	2.95	93.10	7.74	4.79	86.36	76.36	88.31
	8/14/2008				7.70	4.75			88.35
	10/13/2009				7.30	4.35			88.75
	2/2/2010				4.84	1.89			91.21
	6/13/2011				8.95	6.00			87.10
	11/7/2011				8.26	5.31			87.79
	1/5/2015				6.12	3.17			89.93
	11/7/2016				7.57	4.62			88.48
MW-11	3/15/2006	87.37	1.28	86.09	5.81	4.53	77.09	67.09	81.56
	7/12/2006				7.64	6.36			79.73
	8/2/2006				7.64	6.36			79.73
	8/13/2008	100.12	1.22	98.90	8.18	6.96	89.78	79.78	91.94
	8/14/2008				8.15	6.93			91.97
	10/8/2009				7.10	5.88			93.02
	2/2/2010				5.02	3.80			95.10
	6/13/2011				9.26	8.04			90.86
	11/7/2011				8.89	7.67			91.23
	1/5/2015				6.10	4.88			94.02
	11/7/2016				7.35	6.13			92.77
MW-12	7/12/2006	78.82	2.47	76.35	5.78	3.31	67.35	57.35	73.04
	8/2/2006				5.78	3.31			73.04
	8/12/2008	89.06	2.26	86.80	5.11	2.85	77.59	67.59	83.95
	8/14/2008				4.79	2.53			84.27
	10/20/2009				4.92	2.66			84.14
	2/2/2010				3.27	1.01			85.79
	6/13/2011				7.35	5.09			81.71
	11/7/2011				6.81	4.55			82.25
	1/5/2015				4.11	1.85			84.95
	11/7/2016				5.95	3.69			83.11
MW-12A	7/31/2008	89.72	2.92	86.80	6.88	3.96	49.80	39.80	82.84
	8/14/2008				6.78	3.86			82.94
	10/20/2009				6.45	3.53			83.27
	2/2/2010				5.57	2.65			84.15
	6/13/2011				8.84	5.92			80.88
	11/7/2011				7.39	4.47			82.33
	1/5/2015				5.78	2.86			83.94
	11/7/2016				7.35	4.43			82.37
MW-12R	8/2/2006	77.16	2.15	75.01	6.09	3.94	66.01	56.01	71.07
	8/13/2008	89.40	2.20	87.20	4.77	2.57	79.11	69.11	84.63
	8/14/2008				5.53	3.33			83.87
	10/15/2009				4.42	2.22			84.98
	2/2/2010				2.64	0.44			86.76
	6/13/2011				6.91	4.71			82.49
	11/7/2011				5.52	3.32			83.88
	1/5/2015				3.51	1.31			85.89
	11/7/2016				5.57	3.37			83.83

Table 1

Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL) [1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-13	7/12/2006	62.66*	2.66	60.00*	7.97	5.31	51.00	41.00	54.69
	8/2/2006				7.97	5.31			54.69
	8/12/2008***				NG	NG			NG
	8/14/2008***				NG	NG			NG
MW-14	7/30/2008	87.24	2.64	84.60	8.63	5.99	80.60	70.60	78.61
	8/14/2008				8.85	6.21			78.39
	10/13/2009				8.90	6.26			78.34
	2/2/2010				8.07	5.43			79.17
	6/13/2011				9.78	7.14			77.46
	11/7/2011				9.13	6.49			78.11
	1/5/2015				8.20	5.56			79.04
	11/7/2016				8.10	5.46			79.14
MW-15	7/31/2008	90.44	2.54	87.90	5.75	3.21	84.90	69.90	84.69
	8/14/2008				5.73	3.19			84.71
	10/13/2009				5.70	3.16			84.74
	2/2/2010				3.28	0.74			87.16
	6/13/2011				7.87	5.33			82.57
	11/7/2011				6.52	3.98			83.92
	1/5/2015				4.81	2.27			85.63
	11/7/2016				7.40	4.86			83.04
MW-16	7/29/2008	90.83	2.73	88.10	7.46	4.73	83.60	73.60	83.37
	8/14/2008				7.48	4.75			83.35
	10/7/2009				7.41	4.68			83.42
	2/2/2010				5.88	3.15			84.95
	6/13/2011				9.01	6.28			81.82
	11/7/2011				7.93	5.20			82.90
	1/5/2015				6.40	3.67			84.43
	11/7/2016				7.41	4.68			83.42
MW-17	7/31/2008	89.71	3.21	86.50	5.38	2.17	82.50	72.50	84.33
	8/14/2008				5.42	2.21			84.29
	10/15/2009				5.38	2.17			84.33
	2/2/2010				3.93	0.72			85.78
	6/13/2011				7.92	4.71			81.79
	11/7/2011				6.45	3.24			83.26
	1/5/2015				4.61	1.40			85.10
	11/7/2016				6.54	3.33			83.17
MW-18	7/31/2008	89.60	3.00	86.60	5.45	2.45	82.60	72.60	84.15
	8/14/2008				5.45	2.45			84.15
	10/15/2009				5.30	2.30			84.30
	2/2/2010				3.61	0.61			85.99
	6/13/2011				7.82	4.82			81.78
	11/7/2011				6.32	3.32			83.28
	1/5/2015				4.28	1.28			85.32
	11/7/2016				6.38	3.38			83.22
MW-19	7/29/2008	96.70	-0.40	97.10	5.84	6.24	94.10	79.10	90.86
	8/14/2008				5.59	5.99			91.11
	10/13/2009				4.80	5.20			91.90
	2/2/2010				3.09	3.49			93.61
	6/13/2011				6.72	7.12			89.98
	11/7/2011				6.27	6.67			90.43
	1/5/2015				3.81	4.21			92.89
	11/7/2016				4.94	5.34			91.76
MW-19A	10/6/2009	96.80	-0.37	97.17	7.86	8.23	57.67	47.67	88.94
	10/13/2009				8.35	8.72			88.45
	2/2/2010				8.66	9.03			88.14
	6/13/2011				9.60	9.97			87.20
	11/7/2011				10.92	11.29			85.88
	1/5/2015				6.36	6.73			90.44
	11/7/2016				22.44	22.81			74.36
MW-20	7/30/2008	99.20	3.00	96.20	13.63	10.63	51.20	41.20	85.57
	8/14/2008				13.24	10.24			85.96
	10/6/2009				12.30	9.30			86.90
	2/2/2010				10.74	7.74			88.46
	6/13/2011				14.44	11.44			84.76
	11/7/2011				14.00	11.00			85.20
	1/5/2015				11.56	8.56			87.64
	11/7/2016				17.88	14.88			81.32

Table 1

Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL) [1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-21	7/29/2008	99.50	3.40	96.10	9.54	6.14	92.10	82.10	89.96
	8/14/2008				9.27	5.87			90.23
	10/6/2009				8.53	5.13			90.97
	2/2/2010				6.75	3.35			92.75
	6/13/2011				10.38	6.98			89.12
	11/7/2011				9.88	6.48			89.62
	1/5/2015				7.52	4.12			91.98
	11/7/2016				8.66	5.26			90.84
MW-22	10/6/2009	95.94	-0.48	96.42	4.31	4.79	90.92	80.92	91.63
	10/13/2009				4.49	4.97			91.45
	2/2/2010				3.28	3.76			92.66
	6/13/2011				8.51	8.99			87.43
	11/7/2011				6.01	6.49			89.93
	1/5/2015				3.71	4.19			92.23
	11/7/2016				4.70	5.18			91.24
MW-23	6/13/2011	98.37	-0.20	98.57	7.75	7.95	93.57	83.57	90.62
	11/7/2011				7.35	7.55			91.02
	1/5/2015				4.47	4.67			93.90
	11/7/2016				6.84	7.04			91.53
MW-23A	6/13/2011	98.62	-0.34	98.96	8.82	9.16	62.96	52.96	89.80
	11/7/2011				8.00	8.34			90.62
	1/5/2015				5.01	5.35			93.61
	11/7/2016				6.48	6.82			92.14
MW-24	6/13/2011	96.51	-0.26	96.77	6.59	6.85	91.77	81.77	89.92
	11/7/2011				9.04	9.30			87.47
	1/5/2015				3.11	3.37			93.40
	11/7/2016				4.95	5.21			91.56
MW-24A	6/13/2011	96.50	-0.27	96.77	12.80	13.07	58.77	48.77	83.70
	11/7/2011				10.33	10.60			86.17
	1/5/2015				11.10	11.37			85.40
	11/7/2016				10.78	11.05			85.72

Notes:
TOC = Top of Well Casing
BGS = Below Ground Surface
NG = Not Gauged

[1] = (July 2006 -August 2006) Elevations relative to mean sea level as provided by aquaFusion, Inc. (August 2008 to present) Elevations relative to mean sea level as surveyed by Barton Surveying of Woodstock, GA.

[2] = Negative number indicates a flush-mounted well completion. Positive number indicates an aboveground well completion. Elevations surveyed relative to mean sea level by Barton Surveying, Inc. of Woodstock, GA.

[3] = Elevations relative to TOC Elevation.
[4] = Screened intervals based on total depth of monitoring wells and top of screen measurements taken from aquaFusion's October 2006 CSR.
[5] = Screened intervals based on field measurements taken from below ground surface during well installation based on aquaFusion boring logs included in October 2006 CSR.
[6] = Screened intervals based on field measurements taken from below ground surface during well installation.

* = Access not available at time of survey by Barton Surveying; therefore, TOC elevation is based on information provided in CSR report submitted by AquaFusion.
** = Monitoring well properly abandoned on August 20, 2008.
*** = Access not available at time of gauging/sampling.

Table 2

Historical Soil Sample Analytical Results

Jesup DOT - District Office
HSI Site #10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/kg)
CAS Number

Sample Location	Sample ID	Sample Depth (ft)	Sampled By	Laboratory	Sample Date	Analytical Method	1,1,1-Trichloroethane (71556)	o-Xylene (95476)	Total Xylenes (1330207)
Risk Reduction Standards							**20.00 Type 3**	**1.86 / 2,000 Type 3**	**0.288 / 2,000 Type 3**
B-4	SS #1	5	GDOT	GDOT	7/30/1992	EPD 8260A	**0.0011**	NS	NS
MW-1	SS #1	15	GDOT	GDOT	1/10/1992	EPA 8260A	**0.0102**	NS	NS
	SS #2	24					**0.0210**	NS	NS
	SS #3	40					<0.002	NS	NS
MW-1A	MW-1A	10	GDOT	GDOT	2/22/1993	EPA 8260A	**0.00112**	NS	NS
MW-1B	MW-1B	15	GDOT	GDOT	2/22/1993	EPA 8260A	<0.0010	NS	NS
MW-1C	MW-1C	30	GDOT	GDOT	2/22/1993	EPA 8260A	<0.0010	NS	NS
MW-2A	MW-2A	15	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-2B	MW-2B	30	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-3A	MW-3A (4')	4	S&ME	AES	7/19/2008	EPA 8260B	<0.0063	**0.013**	**0.013**
MW-4A	MW-4A (2-4')	2-4	S&ME	AES	7/15/2008	EPA 8260B	<0.0049	<0.0049	<RL
MW-5	SS #1	8	GDOT	GDOT	7/30/1992	EPA 8260B	<0.002	NS	NS
MW-6A	MW-6A (2-4')	2-4	S&ME	AES	7/16/2008	EPA 8260B	<0.0060	<0.0060	<RL
MW-6E	MW-6E (13-15')	13-15	S&ME	AES	7/16/2008	EPA 8260B	<0.0053	<0.0053	<RL
MW-7	MW-7	10	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-7A	MW-7A	20	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-7B	MW-7B	30	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-8A	MW-8A (0-4')	0-4	S&ME	AES	7/18/2008	EPA 8260B	<0.0056	<0.0056	<RL
MW-9A	MW-9A (2-4')	2-4	S&ME	AES	7/17/2008	EPA 8260B	<0.0067	<0.0067	<RL
MW-12A	MW-12A (45')	45	S&ME	AES	7/17/2008	EPA 8260B	<0.0058	<0.0058	<RL
MW-14	MW-14 (4-6')	4-6	S&ME	AES	7/16/2008	EPA 8260B	<0.0052	<0.0052	<RL
MW-15	MW-15 (2-4')	2-4	S&ME	AES	7/16/2008	EPA 8260B	<0.0062	<0.0062	<RL
MW-16	MW-16 (2-4')	2-4	S&ME	AES	7/16/2008	EPA 8260B	<0.0050	<0.0050	<RL
	MW-X (Blind Duplicate)						<0.0061	<0.0061	<RL
MW-17	MW-17 (0-2')	0-2	S&ME	AES	7/15/2008	EPA 8260B	<0.0050	<0.0050	<RL
MW-18	MW-18 (2-4')	2-4	S&ME	AES	7/15/2008	EPA 8260B	<0.0046	<0.0046	<RL
MW-19	MW-19 (0-2')	0-2	S&ME	AES	7/15/2008	EPA 8260B	<0.0060	<0.0060	<RL
	MW-19 (2-4')	2-4					<0.0056	<0.0056	<RL
MW-19A	MW-19A @ 4	4	S&ME	AES	9/30/2009	EPA 8260B	<0.0042	<0.0042	<RL
MW-20	MW-20 (2')	2	S&ME	AES	7/19/2008	EPA 8260B	<0.0058	<0.0058	<RL
	MW-20 (4')	4					<0.0076	<0.0076	<RL
MW-21	MW-21 (0-2')	0-2	S&ME	AES	7/15/2008	EPA 8260B	<0.0064	<0.0064	<RL
	MW-21 (2-4')	2-4					<0.0060	<0.0060	<RL
MW-22	MW-22 @ 4'	4	S&ME	AES	9/30/2009	EPA 8260B	<0.0041	<0.0041	<RL
SB-1	SB-1 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0026	<0.0026	<RL
SB-2	SB-2 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0028	<0.0028	<RL

Table 2

Historical Soil Sample Analytical Results

Jesup DOT - District Office
HSI Site #10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/kg)
CAS Number

Sample Location	Sample ID	Sample Depth (ft)	Sampled By	Laboratory	Sample Date	Analytical Method	1,1,1-Trichloroethane (71556)	o-Xylene (95476)	Total Xylenes (1330207)
Risk Reduction Standards							**20.00 Type 3**	**1.86 / 2,000 Type 3**	**0.288 / 2,000 Type 3**
SB-3	SB-3 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0023	<0.0023	<RL
SB-4	SB-4 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0031	<0.0031	<RL
SB-5	SB-5 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0028	<0.0028	<RL
SB-6	SB-6 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0024	<0.0024	<RL
SB-7	SB-7 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0025	<0.0025	<RL
SB-8	SB-8 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0027	<0.0027	<RL
SB-9	SB-9 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0026	<0.0026	<RL
SB-10	SB-10 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0025	<0.0025	<RL
SB-1A	SB-1 (1.5')	1.5	S&ME	AES	8/14/2008	EPA 8260B	<0.0066	<0.0066	<RL
	SB-1 (3.5')	3.5					<0.0067	<0.0067	<RL
SB-2A	SB-2 (1.5')	1.5					<0.0061	<0.0061	<RL
	SB-2 (3.5')	3.5					<0.0060	<0.0060	<RL
MW-23	MW-23 (4')	4	S&ME	AES	6/10/2011	EPA 8260B	<0.0057	<0.0057	<RL
MW-23A	MW-23A (4')	4	S&ME	AES	6/9/2011	EPA 8260B	<0.0062	<0.0062	<RL
MW-24	MW-24 (4')	4	S&ME	AES	6/9/2011	EPA 8260B	<0.0044	<0.0044	<0.0044
MW-24A	MW-24A (4')	4	S&ME	AES	6/8/2011	EPA 8260B	<0.0051	<0.0051	<0.0051

Notes:

All results in milligram per kilogram

NS = Not Sampled

<RL = Less than reporting limit. No estimated concentration.

1.86/2,000 = RSS for soil collected from 0 feet to 2 feet/greater than 2 feet.

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-1	MW-1	GDOT	GDOT	1/14/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	**0.500**	NS	NS	NS	NS	NS
				5/20/1992		NS	NS	NS	NS	NS	NS	NS	**0.233**	NS	NS	NS	NS	NS
				7/30/1992		NS	NS	NS	NS	NS	NS	NS	**0.0319**	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	**0.2904**	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001		NS	<0.050	<0.0020	**0.0213**	<0.002	<0.0020	<0.0020	**0.040**	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/10/2006		NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/5/2008		<0.150	<0.050	<0.0020	**0.014**	<0.0050	<0.0050	<0.0050	**0.035**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	**0.0081**	<0.0050	<0.0050	<0.0050	**0.020**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	RW-25 (Blind Duplicate)					<0.150	<0.050	<0.0020	**0.0075**	<0.0050	<0.0050	<0.0050	**0.023**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-1			11/10/2011		<0.150	<0.050	<0.0020	**0.011**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/15/2015		<0.150	<0.050	<0.0020	**0.0052**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-1A	MW-1A	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	<0.001	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001		NS	<0.050	<0.0020	**0.0124**	**0.0134**	<0.0020	<0.0020	**0.0146**	<0.0020	**0.0134**	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/10/2006		NS	<0.050	<0.0020	**0.019**	**0.018**	<0.0050	<0.0050	**0.032**	<0.0050	**0.0091**	<0.0050	<0.0050	NS
		S&ME		8/6/2008		<0.150	<0.050	<0.0020	**0.010**	**0.035**	<0.0050	<0.0050	**0.0050**	<0.0050	**0.0090**	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	**0.010**	**0.022**	<0.0050	<0.0050	**0.016**	<0.0050	**0.0064**	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	<0.0050	**0.021**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	**0.0054**	**0.021**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/12/2015		<0.150	<0.050	<0.0020	<0.0050	**0.011**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	D-2 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	**0.011**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-1A		ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	**0.0170**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-1B	MW-1B	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	**0.00331**	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	**0.443**	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	**0.141**	**0.0062**	<0.0020	<0.0020	**0.519**	<0.0020	**0.0042**	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	**0.140**	<0.0050	<0.0050	<0.0050	**1.0**	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/5/2006		<0.150	<0.050	<0.0020	**0.200**	**0.011**	<0.0050	<0.0050	**0.650**	<0.0050	**0.0064**	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	**0.110**	<0.0050	<0.0050	<0.0050	**0.370**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	**0.077**	**0.0094**	<0.0050	<0.0050	**0.160**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/9/2011		<0.150	<0.050	<0.0020	**0.058**	**0.0064**	<0.0050	<0.0050	**0.120**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-76 (Blind Duplicate)					<0.150	<0.050	<0.0020	**0.055**	**0.0056**	<0.0050	<0.0050	**0.130**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-1B			1/12/2015		<0.150	<0.050	<0.0020	**0.037**	<0.0050	<0.0050	<0.0050	**0.120**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	**0.0126**	<0.00500	<0.00500	<0.00500	**0.0302**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-1C	MW-1C	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	**0.01295**	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	**1.8958**	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	**1.620**	**0.0058**	<0.0020	**0.0026**	**1.070**	<0.0020	**0.013**	**0.0068**	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	**0.830**	<0.0050	<0.0050	<0.0050	**0.190**	<0.0050	**0.0099**	<0.0050	<0.0050	NS
	MW-101 (Blind Duplicate)					NS	<0.050	<0.0020	**0.830**	<0.0050	<0.0050	<0.0050	**0.200**	<0.0050	**0.01**	<0.0050	<0.0050	NS
	MW-1C	S&ME		8/5/2008		<0.150	<0.050	<0.0020	**0.740**	<0.0050	<0.0050	<0.0050	**0.270**	<0.0050	**0.0067**	<0.0050	<0.0050	<0.0050
			ESC	8/20/2008		ABANDONED												

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-2	MW-2	GDOT	GDOT	1/14/1992	EPA 8260B	NS	NS	NS	NS	NS	NS	NS	**0.0281**	NS	NS	NS	NS	NS
				5/20/1992		NS	NS	NS	NS	NS	NS	NS	**0.0379**	NS	NS	NS	NS	NS
				7/30/1992		NS	NS	NS	NS	NS	NS	NS	**0.0035**	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001		NS	<0.050	<0.0020	**0.0078**	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	**0.010**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/6/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	**0.0053**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/13/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-2A	MW-2A	GDOT	GDOT	2/5/1993	EPA 8260B	NS	NS	NS	NS	NS	NS	NS	**0.0027**	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	**0.27252**	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001		NS	<0.050	<0.0020	**0.195**	**0.037**	<0.0020	<0.0020	**0.0662**	<0.0020	**0.0058**	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	**0.068**	**0.0053**	<0.0050	<0.0050	**0.024**	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/7/2008		<0.150	<0.050	<0.0020	**0.013**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	**0.0094**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/13/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-2B	MW-2B	GDOT	GDOT	2/5/1993	EPA 8260B E	NS	NS	NS	NS	NS	NS	NS	<0.001	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	**0.04136**	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	**0.0365**	**0.0042**	<0.0020	<0.0020	<0.0020	<0.0020	**0.0040**	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	**0.034**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME	NA	7/22/2008	NA	ABANDONED												
MW-2D	MW-2D	AquaFusion	AES	8/2/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/19/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	D-4 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-3	MW-3	GDOT	GDOT	1/14/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				5/20/1992		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				7/30/1992		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NOT LOCATED/DESTROYED												

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-3A	MW-3A	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	**0.010**	**1.3**	<0.0050	<0.0050	**0.0086**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	**0.021**	**6.5**	**0.038**	<0.0050	**0.035**	<0.0050	**0.0071**	**0.020**	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	**0.017**	**9.0**	**0.110**	<0.0050	**0.041**	**4.300**	**0.0098**	**0.087**	**0.018**	<0.0050	<0.0050
	RW-36 (Blind Duplicate)			6/15/2011		<0.150	<0.050	**0.020**	**9.8**	**0.110**	<0.0050	**0.042**	**3.600**	<0.0050	**0.089**	**0.018**	<0.0050	<0.0050
	MW-3A			11/10/2011		<0.150	<0.050	**0.013**	**5.7**	**0.140**	<0.0050	**0.041**	**0.810**	**0.014**	**0.070**	**0.011**	<0.0050	<0.0050
				1/15/2015		<0.150	<0.050	**0.017**	**12.0**	**0.820**	<0.0050	**0.055**	**9.000**	**0.014**	**0.190**	**0.052**	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	**0.0221**	**4.61**	**0.276**	<0.0050	**0.0564**	**2.01**	**0.0166**	**0.118**	**0.0278**	<0.0050	<0.0050
MW-4	MW-4	GDOT	GDOT	7/30/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/15/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-4A	MW-4A	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/12/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-40A (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-5	MW-5	GDOT	GDOT	7/30/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	**0.00238**	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/16/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-6	MW-6	GDOT	GDOT	7/30/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	**0.0002**	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		AquaFusion	AES	2/8/2006	EPA 8260B	NS	<0.050	<0.0020	**0.011**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
				3/14/2006		NS	<0.050	<0.0020	**0.018**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/7/2008		<0.150	<0.050	<0.0020	**0.013**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-51 (Blind Duplicate)					<0.150	<0.050	<0.0020	**0.013**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-6			10/20/2009		<0.150	<0.050	<0.0020	**0.012**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	**0.014**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	RW-9 (Blind Duplicate)					<0.150	<0.050	<0.0020	**0.015**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-6			11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/9/2015		<0.150	<0.050	<0.0020	**0.017**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-6A	MW-6A	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/14/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-6D	MW-6D	AquaFusion	AES	8/3/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
		S&ME	NA	7/30/2008	NA	ABANDONED												
MW-6E	MW-6E	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/14/2015		NS - Damaged Well												
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-7	MW-7	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	**0.0063**	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	**0.1287**	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	**0.0078**	<0.0020	<0.0020	<0.0020	**0.0118**	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	**0.030**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/5/2008		<0.150	<0.050	<0.0020	**0.0092**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	**0.014**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/9/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/12/2015		<0.150	<0.050	<0.0020	**0.0051**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-7A	MW-7A	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	**0.00141**	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	**0.04541**	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	**0.462**	**0.0028**	<0.0020	<0.0020	**0.0402**	<0.0020	**0.0075**	**0.0040**	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	**0.280**	<0.0050	<0.0050	<0.0050	**0.0059**	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	**0.200**	<0.0050	<0.0050	<0.0050	**0.011**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	**0.400**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	**0.420**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		<0.150	<0.050	<0.0020	**0.180**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/12/2015		<0.150	<0.050	<0.0020	**0.170**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	**0.120**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-7B	MW-7B	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	<0.001	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	**0.00913**	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	**0.18253**	NS	NS	NS	NS	NS
		EarthTech	NA	7/25/2001	NA	ABANDONED												
MW-7D	MW-7D	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	**0.560**	<0.0050	<0.0050	<0.0050	**0.130**	<0.0050	**0.0066**	**0.0062**	<0.0050	NS
	D-MW7-Deep (Blind Duplicate)					NS	<0.050	<0.0020	**0.610**	<0.0050	<0.0050	<0.0050	**0.120**	<0.0050	**0.0064**	**0.0054**	<0.0050	NS
	MW-7D	S&ME		8/6/2008		<0.150	<0.050	<0.0020	**1.000**	**0.030**	<0.0050	<0.0050	**0.410**	<0.0050	**0.014**	**0.0068**	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	**1.300**	**0.022**	<0.0050	<0.0050	**0.340**	<0.0050	**0.011**	**0.0063**	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	**0.380**	**0.0085**	<0.0050	<0.0050	**0.250**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/9/2011		<0.150	<0.050	<0.0020	**0.100**	**0.0067**	<0.0050	<0.0050	**0.150**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/16/2015		<0.150	<0.050	<0.0020	**0.450**	**0.0053**	<0.0050	<0.0050	**0.150**	<0.0050	**0.0067**	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	**0.161**	<0.00500	<0.00500	<0.00500	**0.0714**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-8	MW-8	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	**0.064**	**0.012**	<0.0050	<0.0050	**0.033**	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/8/2008		<0.150	<0.050	<0.0020	**0.110**	**0.013**	<0.0050	<0.0050	**0.047**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	**0.099**	**0.015**	<0.0050	<0.0050	**0.024**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/6/2015		<0.150	<0.050	<0.0020	**0.700**	**0.010**	<0.0050	<0.0050	**0.074**	<0.0050	**0.0091**	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	**0.144**	**0.0125**	<0.00500	<0.00500	**0.0798**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-38 (Blind Duplicate)					<0.00300	<0.0500	<0.00200	**0.0953**	**0.0121**	<0.00500	<0.00500	**0.0798**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-8A	MW-8A	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/14/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/7/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-9	MW-9	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	**0.0064**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/7/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/13/2015		<0.150	<0.050	<0.0020	**0.014**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-9A	MW-9A	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	**0.018**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	**0.024**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/13/2011		<0.150	<0.050	<0.0020	**0.130**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/13/2015		<0.150	<0.050	<0.0020	**0.150**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	**0.290**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-10	MW-10	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/7/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-11	MW-11	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/13/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-12	MW-12	AquaFusion	AES	7/12/2006	EPA 8260B	NS	**0.980**	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-52 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-12			10/20/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/10/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-12A	MW-12A	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/20/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	D-1 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-12A		ESC	11/10/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-12R	MW-12R	AquaFusion	AES	7/26/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/13/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/10/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-13	MW-13	AquaFusion	AES	7/12/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
		S&ME	NA	8/12/2008	NA	NOT SAMPLED-ACCESS ISSUES												
MW-14	MW-14	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/6/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-15	MW-15	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	**0.011**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/6/2015		<0.150	<0.050	<0.0020	**0.017**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	**0.117**	<0.00500	<0.00500	<0.00500	**0.0121**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-16	MW-16	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/6/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-17	MW-17	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-50 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-17			10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/10/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-47 (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-18	MW-18	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/7/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-19	MW-19	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/7/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-19A	MW-19A	S&ME	AES	10/13/2009	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/16/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-20	MW-20	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/6/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/14/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-21	MW-21	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/6/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	**0.140**	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-22	MW-22	S&ME	AES	10/13/2009	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	**0.0067**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/15/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	**0.0206**	<0.00500	<0.00500	<0.00500	**0.00855**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-23	MW-23	S&ME	AES	6/15/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/9/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-23A	MW-23A	S&ME	AES	6/14/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/15/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	D-3 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-23A		ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-24	MW-24	S&ME	AES	6/14/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-43 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-24			1/13/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-24A	MW-24A	S&ME	AES	6/14/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/14/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-30A (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
I-2	I-2	S&ME	AES	11/9/2011	EPA 8260B	<0.150	<0.050	<0.0020	**0.360**	**0.240**	<0.0050	**0.022**	**34.000**	**0.020**	**0.240**	**0.220**	**0.0086**	**0.890**
I-3	I-3	S&ME	AES	11/9/2011	EPA 8260B	<0.150	<0.050	<0.0020	**9.100**	**0.130**	<0.0050	**0.025**	**29.000**	**0.012**	**0.260**	**0.130**	<0.0050	**0.023**
I-5	I-5	S&ME	AES	11/8/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
I-6	I-6	S&ME	AES	11/9/2011	EPA 8260B	<0.150	<0.050	<0.0020	**0.240**	**0.0051**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Table 3

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.150 Type 3**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
I-7	I-7	S&ME	AES	11/8/2011	EPA 8260B	<0.150	<0.050	<0.0020	**0.370**	**0.022**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0055**	<0.0050	<0.0050	<0.0050

Notes:

All results in milligrams per liter

PCE = Tetrachloroethene, Tetrachloroethylene, Perchloroethene, or Perchlorethylene (synonyms).

DCE = Dichloroethene or Dichloroethylene (synonyms)

TCE = Trichloroethene or Trichloroethylene (synonyms).

0 to RRS

RRS to 10Xs RRS

>10Xs RRS to 100Xs RRS

Table 4

Current Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloroethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**Type 1 - 0.07 Type 4 - 0.00774**	**Type 1 - 4.00 Type 4 - 45.6**	**Type 1 - 0.002 Type 4 - 0.00327**	**Type 1 - 0.007 Type 4 - 0.524**	**Type 1 - 4.00 Type 3 - 4.00**	**Type 1 - 0.100 Type 4 - 0.161**	**Type 1 - 0.005 Type 4 - 1.02**	**Type 1 - 0.2 Type 4 - 13.6**	**Type 1 - 0.005 Type 3 - 0.005**	**Type 1 - 0.005 Type 4 - 0.0377**	**Type 1 - 0.005 Type 4 - 0.0464**	**Type 1 - 0.005 Type 3 - 0.005**	**Type 1 - 0.07 Type 4 - 0.100**
MW-1	MW-1	S&ME	ESC	11/7/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-1A	MW-1A	S&ME	ESC	11/7/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	0.0170	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-1B	MW-1B	S&ME	ESC	11/7/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	**0.0126**	<0.00500	<0.00500	<0.00500	0.0302	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-1C	NA	NA	NA	8/20/2008	NA	ABANDONED												
MW-2	MW-2	S&ME	ESC	11/7/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-2A	MW-2A	S&ME	ESC	11/7/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-2B	NA	NA	NA	7/22/2008	NA	ABANDONED												
MW-2D	MW-2D	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-3	NA	NA	NA	7/25/2001	NA	NOT LOCATED/DESTROYED												
MW-3A	MW-3A	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	**0.0221**	**4.61**	0.276	<0.0050	**0.0564**	**2.01**	**0.0166**	**0.118**	**0.0278**	<0.0050	<0.0050
MW-4	MW-4	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-4A	MW-4A	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-40A (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-5	MW-5	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-6	MW-6	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-6A	MW-6A	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-6D	MW-6D	S&ME	NA	7/30/2008	NA	ABANDONED												
MW-6E	MW-6E	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-7	MW-7	S&ME	ESC	11/7/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-7A	MW-7A	S&ME	ESC	11/7/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	**0.120**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-7B	NA	NA	NA	7/25/2001	NA	ABANDONED												
MW-7D	MW-7D	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	**0.161**	<0.00500	<0.00500	<0.00500	0.0714	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-8	MW-8	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	**0.144**	0.0125	<0.00500	<0.00500	0.0798	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-38 (Blind Duplicate)					<0.00300	<0.0500	<0.00200	**0.0953**	0.0121	<0.00500	<0.00500	0.0798	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 4

Current Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloroethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**Type 1 - 0.07 Type 4 - 0.00774**	**Type 1 - 4.00 Type 4 - 45.6**	**Type 1 - 0.002 Type 4 - 0.00327**	**Type 1 - 0.007 Type 4 - 0.524**	**Type 1 - 4.00 Type 3 - 4.00**	**Type 1 - 0.100 Type 4 - 0.161**	**Type 1 - 0.005 Type 4 - 1.02**	**Type 1 - 0.2 Type 4 - 13.6**	**Type 1 - 0.005 Type 3 - 0.005**	**Type 1 - 0.005 Type 4 - 0.0377**	**Type 1 - 0.005 Type 4 - 0.0464**	**Type 1 - 0.005 Type 3 - 0.005**	**Type 1 - 0.07 Type 4 - 0.100**
MW-8A	MW-8A	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-9	MW-9	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-9A	MW-9A	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	**0.290**	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-10	MW-10	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-11	MW-11	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-12	MW-12	S&ME	ESC	11/10/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-12A	MW-12A	S&ME	ESC	11/10/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-12R	MW-12R	S&ME	ESC	11/10/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-13	MW-13	AquaFusion	AES	7/12/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
		S&ME	NA	8/12/2008	NA	NOT SAMPLED-ACCESS ISSUES												
MW-14	MW-14	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-15	MW-15	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	**0.117**	<0.00500	<0.00500	<0.00500	0.0121	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-16	MW-16	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-17	MW-17	S&ME	ESC	11/10/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-47 (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-18	MW-18	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-19	MW-19	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-19A	MW-19A	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-20	MW-20	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-21	MW-21	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-22	MW-22	S&ME	ESC	11/9/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	**0.0206**	<0.00500	<0.00500	<0.00500	0.00855	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-23	MW-23	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-23A	MW-23A	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-24	MW-24	S&ME	ESC	11/7/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Table 4

Current Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloroethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**Type 1 - 0.07 Type 4 - 0.00774**	**Type 1 - 4.00 Type 4 - 45.6**	**Type 1 - 0.002 Type 4 - 0.00327**	**Type 1 - 0.007 Type 4 - 0.524**	**Type 1 - 4.00 Type 3 - 4.00**	**Type 1 - 0.100 Type 4 - 0.161**	**Type 1 - 0.005 Type 4 - 1.02**	**Type 1 - 0.2 Type 4 - 13.6**	**Type 1 - 0.005 Type 3 - 0.005**	**Type 1 - 0.005 Type 4 - 0.0377**	**Type 1 - 0.005 Type 4 - 0.0464**	**Type 1 - 0.005 Type 3 - 0.005**	**Type 1 - 0.07 Type 4 - 0.100**
MW-24A	MW-24A	S&ME	ESC	11/8/2016	EPA 8260B	<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-30A (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Notes:

All results in milligrams per liter

PCE = Tetrachloroethene, Tetrachloroethylene, Perchloroethene, or Perchlorethylene (synonyms).

DCE = Dichloroethene or Dichloroethylene (synonyms)

TCE = Trichloroethene or Trichloroethylene (synonyms).

results above the Type 1 Risk Reduction Standard

results above the Type 1 and Type 3 Risk Reduction Standard

Table 5

Historical Surface Water Analytical Results

Jesup DOT - District Office
HSI Site #10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Vinyl Chloride (75014)	1,1-DCE (75354)	Acetone (67641)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Georgia In-Stream Water Quality Standards						**NA**	**0.0024**	**7.10**	**NA**	**NA**	**10.0**	**NA**	**0.528**	**0.037**	**0.030**	**0.016**	**0.0033**	**NA**
SW-1	SW-1	AquaFusion	AES	1/11/2006	EPA 8260B	NS	<0.0020	0.015	<0.050	0.010	<0.0050	<0.005	0.069	<0.0050	<0.0050	<0.0050	<0.0050	NS
SW-1A	SW-1A	S&ME	AES	12/23/2008	EPA 8260B	<0.150	<0.0020	0.014	<0.050	0.0067	<0.0050	<0.0050	0.025	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			NA	11/8/2016	NA	DRY												
SW-2	SW-2	AquaFusion	AES	2/21/2006	EPA 8260B	NS	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		12/23/2008		DRY												
			NA	11/8/2016	NA	DRY												
SW-3	SW-3	AquaFusion	AES	2/21/2006	EPA 8260B	NS	<0.0020	0.055	<0.050	<0.0050	<0.0050	<0.0050	0.028	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		12/23/2008		<0.150	<0.0020	0.012	<0.050	<0.0050	<0.0050	<0.0050	0.0058	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.00200	<0.00500	<0.0500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SW-4	SW-4	AquaFusion	AES	3/14/2006	EPA 8260B	NS	<0.0020	0.0085	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		12/23/2008		<0.150	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/18/2009		<0.150	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.00200	<0.00500	<0.0500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SW-5	SW-5	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.0020	0.0081	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		12/23/2008		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			NA	11/8/2016	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-6	SW-6	AquaFusion	AES	7/12/2006	EPA 8260B	NS	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		12/23/2008		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			NA	11/8/2016	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-7	SW-7	S&ME	AES	12/23/2008	EPA 8260B	<0.150	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.00200	<0.00500	<0.0500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SW-8	SW-8	S&ME	AES	12/23/2008	EPA 8260B	<0.150	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/18/2009		<0.150	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SW-9	SW-9	S&ME	AES	12/23/2008	EPA 8260B	<0.150	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/18/2009		<0.150	<0.0020	<0.0050	<0.050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.00200	<0.00500	<0.0500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Notes:

All results in milligrams per liter

NS = Not Sampled
NA = Not Applicable
PCE = Tetrachloroethene, Tetrachloroethylene, Perchloroethene, or Perchlorethylene (synonyms).
DCE = Dichloroethene or Dichloroethylene (synonyms)
TCE = Trichloroethene or Trichloroethylene (synonyms).
<RL = Less than reporting limit. No estimated concentration.

Appendices

Appendix I – Warranty Deed and Tax Plats

M-36

STATE OF GEORGIA,
COUNTY OF WAYNE.

This indenture, made this the 5th day of July, 1955, between the COUNTY OF WAYNE, a political sub-division of the State of Georgia, by and through its Board of Commissioners of Roads and Revenues, as the First Party, ... and . . . . . THE STATE OF GEORGIA, as the Second Party:

Witnesseth: That, whereas, the said First Party heretofore on the 5th day of July, 1955, passed a resolution authorizing the sale of the property hereinafter described to said Second Party, a copy of said resolution being hereto attached and made a part hereof for all purposes,

Now Therefore, the said First Party for and in consideration of the sum of One ($1.00) Dollar, to it in hand paid, at and before the ensealing and delivery of these presents, the receipt whereof is hereby acknowledged, has granted, bargained, sold and conveyed, and by these presents does grant, bargain, sell and convey, unto the said Second Party, the following described property, to-wit:

All that certain tract or parcel of land lying and being in and a portion of land lot number ninety-three (93) in the Third Land District of Wayne County, Georgia, containing thirty-one (31) acres, more or less, of land, all as shown by a plat of the same made by G. M. Harrington, Ga. Reg. No. 1125, Surveyor, under date of May 4, 1955, a copy of which is hereto attached and made a part hereof for all purposes. Said lands being the same lands conveyed by Mrs. Georgia Lee Williamson to Wayne County by Warranty Deed dated July 1, 1955, and recorded in Deed Book 77, page 40-1, in the Office of the Clerk of the Superior Court of Wayne County, Georgia.

the mentioned plat See Page 41

To Have and To Hold, the above described and bargained property, together with all and singular the rights, members and appurtenances thereunto belonging or in anywise appertaining, unto the said Second Party, In Fee Simple.

And, the said First Party, and its successors, the said described and bargained property, unto the said Second Party, so that neither the said First Party, its successors, nor anyone claiming under it shall at any time, by any ways or means, have any claim or demand in and to the same or its appurtenances.

In Witness Whereof, the said First Party, by and through its Chairman, and Clerk, have hereunto set their hands and seals, on the day and year first above written.

Signed, sealed and delivered in presence of:
ence of

COUNTY OF WAYNE, GEORGIA.

E. L. Harris
Chairman

ATTESTED: S. F. [illegible]
Clerk

1. Faye B. Graham
2. Miss Bennett Jr
DEPUTY CLERK, SUPERIOR WAYNE COUNTY

(Seal)

RESOLUTION

77-37

Georgia, Wayne County.

Whereas, the County of Wayne has acquired the lands hereinafter described for the purpose of conveying the same to the State of Georgia for its use and in locating some of the properties of the State Highway Department;

Now, Therefore, Be It and It Is Hereby Resolved that the Board of Commissioners of Roads and Revenues of the County of Wayne, through its Chairman and Clerk, execute a deed to the State of Georgia in consideration of the sum of One ($1.00) Dollar to the following described lands, to-wit:

All that certain tract or parcel of land lying and being in and a portion of land lot number ninety-three (93) in the Third Land District of Wayne County, Georgia, containing thirty-one (31) acres, more or less of land, all as shown by a plat of the same made by G. M. Harrington, Ga. Reg. No. 1125, Surveyor, under date of May 4, 1955, a copy of which is hereto attached and made a part hereof for all purposes. Said lands being the same lands conveyed by Mrs. Georgia Lee Williamson to Wayne County by Warranty Deed dated July 1, 1955, and recorded in Deed Book 77, page 401, in the Office of the Clerk of the Superior Court of Wayne County, Georgia.

Introduced, read and passed in regular meeting assembled on the 5th day of July, 1955.

C. C. Harris

C. C. Harris, Chairman

B. L. Yeomans, Sr.

B. L. Yeomans, Sr.

J. M. Jones

J. M. Jones

J. Cameron Bennett

J. Cameron Bennett

Ernest F. Strickland

Ernest F. Strickland

Board of Commissioners of Roads and Revenues, Wayne County, Georgia.

Attest: S. F. Bennett, Jr.

S. F. Bennett, Sr., Clerk.

CERTIFICATE

Georgia, Wayne County.

I, S. F. Bennett, Sr., do certify that the foregoing is a true and correct copy of a resolution passed by the Board of Commissioners of Roads and Revenues of the County of Wayne, State of Georgia, on the 5th day of July, 1955, as the same appears of record on the minutes of said Board.

I further certify that I am the duly elected and qualified Clerk of said Board, and custodian of its records.

This 5th day of July, 1955.

S. F. Bennett, Jr.

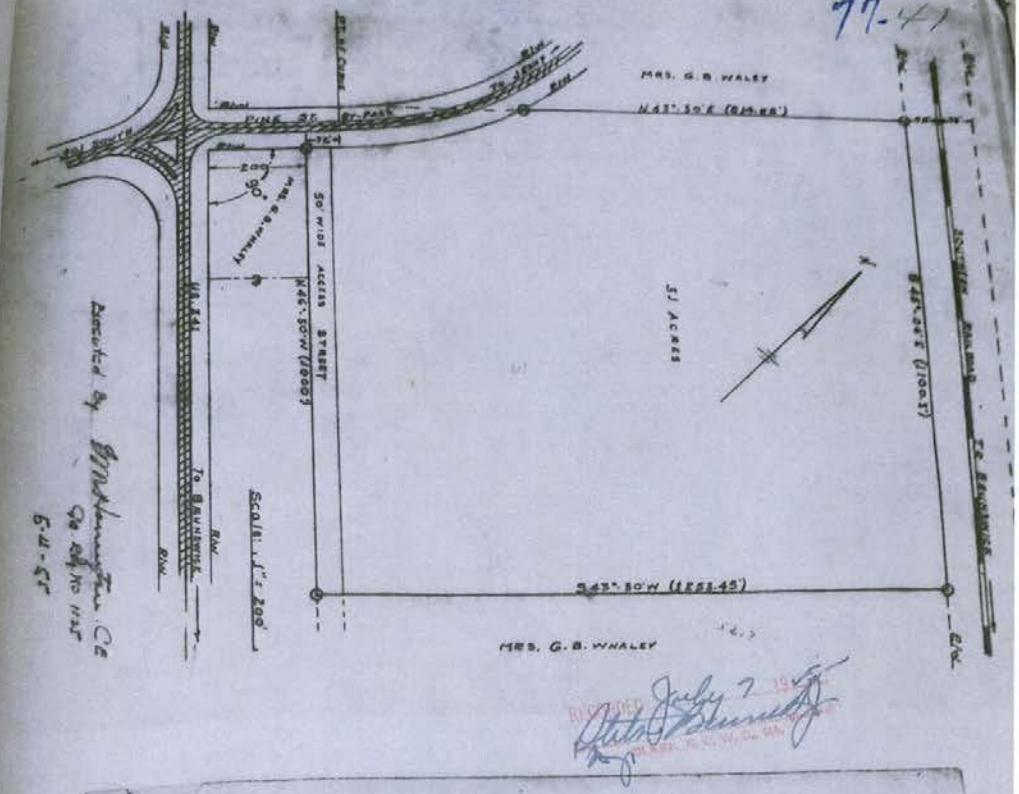
Clerk, Board of Commissioners of Roads and Revenues of the County of Wayne, State of Georgia.

(SEAL)

RECORDED July 7

CLERK S. C. W. C., G

77-41



H.D. 1158—22M—8-48

STATE HIGHWAY DEPARTMENT OF GEORGIA

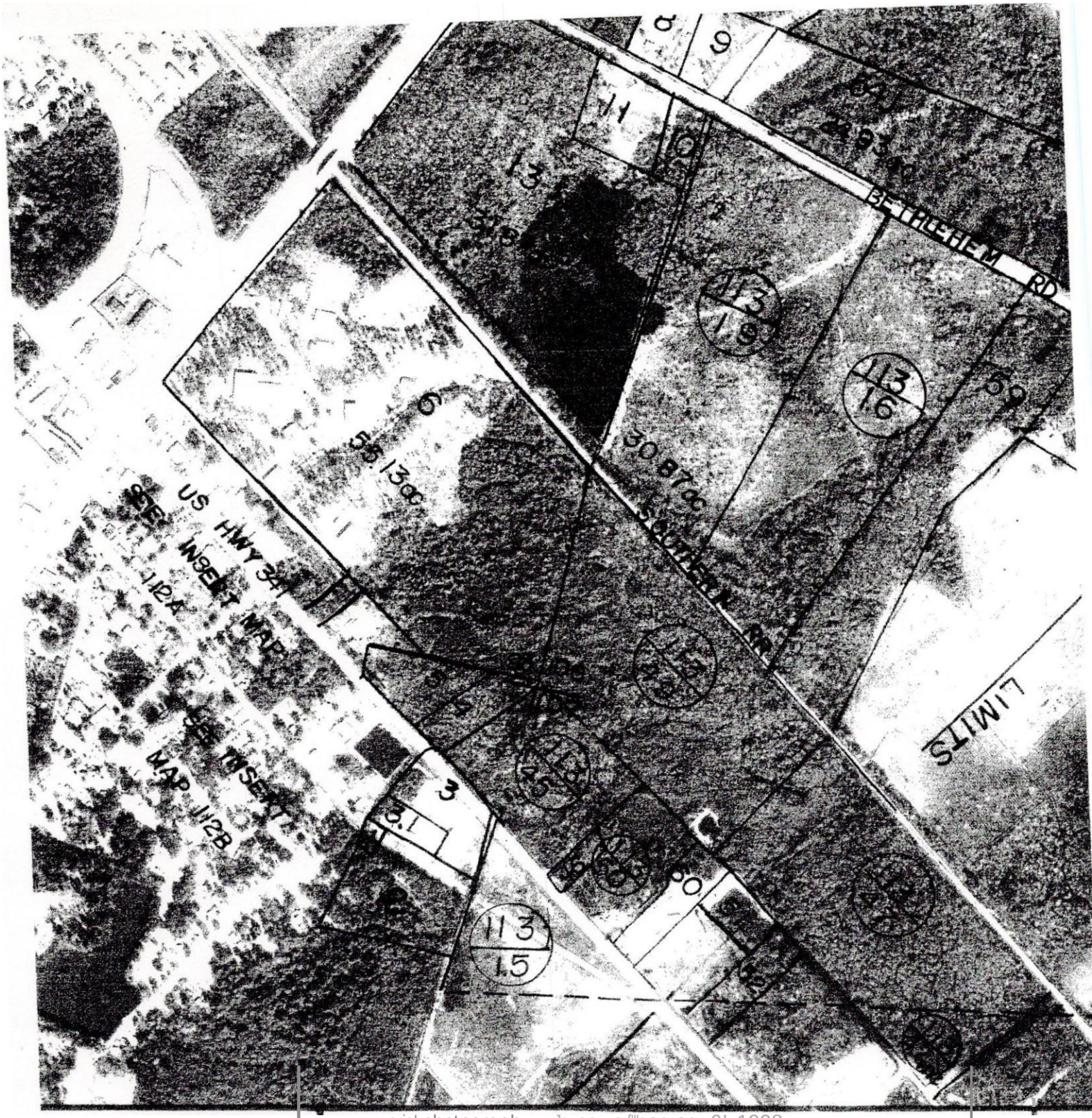
95

RIGHT OF WAY DEED

1. GEORGIA, Wayne County Project No. 1812-A(5)
2. THIS CONVEYANCE made and executed the 27 day of June 19 55
3. WITNESSETH that Martha Jones and Sara Jones Nash
4. the undersigned, is the owner of a tract of land in said county through which a state aid road, known as project
5. No. 1812-A(5), on State Highway No. 169 between Jesup
6. and Lanes Bridge has been laid out by the State Highway Department of Georgia as a part
7. of the State Aid Road System of Georgia, as provided in Acts of the General Assembly of Georgia of 1919 and 1921,
8. said road being more particularly described in a map and drawing of said road in office of the State Highway Depart-
9. ment of Georgia, Atlanta, Ga., to which reference is hereby made.
10. Now, therefore, in consideration of the benefit to my property by the construction or maintenance of said road, and
11. in consideration of ONE DOLLAR ($1.00) in hand paid the receipt whereof is hereby acknowledged, I do hereby grant,
12. bargain, sell and convey to said State Highway Department of Georgia, and their successor in office so much land in Land
13. Lot No. of the Land District or 1519 G. M. District of said County as to
14. make a right of way for said road as surveyed and measured from the center line of the highway location as follows:

From Sta. 296+00	to Sta. 353+04	a strip 50	ft. wide Lt.	side
From Sta. 296+00	to Sta. 328+00	a strip 50	ft. wide Rt.	side
From Sta. 330+21	to Sta. 353+82	a strip 50	ft. wide Rt.	side
From Sta.	to Sta.	a strip	ft. wide	side

Better described by attached sketch:



,.:.,eric! photography w::Js nown f"'eoruary 2!. 1998
tor tne WAYNE C0 J"1T'(To. Assess urs Off:ce
F•. rnished by PARK AERiA. StJRVE)S, !NC.. .',L:·SVI_:_t:,KY.
The Ccunty assumes no respons1blliry 1<)1" f ,e !1:1<:1:
::lc;-:urocy of ,ntorm.oti ". '.,nntJiNlO he:: Wl

UBDIVISION LOT NUMBER
BLOCK NUMBER
JMBER
ETTER

JOINING MAP NUMB

!!AK.&Aitl:X

THIS INDEln'URE, •ade thb day of 1993,

between VAN GOULD WILLIAMSON, SR., (HRS.)MARTHA LEE W.GI88S and (HilS. MAUDE- W. GAJUIEJt, of the firet part and STATE OF GEORGIA DEPARTMENT OF TRAHSPORTATION, of the Second part.

WITNESSETH: that first parties, in consideration of the sua of Ten Dollars ($10.00) aDd other good and valuable CODaideratiOil, hereby 9ranta and conveys unto second party, ita auoceaaora and aasi90s, the f lloving described property, to--vtts

All that certain tract or parcel of land situate, lying •nd being in the City of Jesup, Wayne Couuty, Georgia COJ\aiating of 2t.318 acres and being .Ore particularly described on that certain plat by John O. Parker R. .s. 1850, dated June 2t; 1993 aDd recorded in the office of the Clerk of Superior Court of Wayne Couuty, Georgia, in Plat Book 29 , page bieb plat is incorporated by reference herein.

This being a portion of thproperty conveyed by Van Gould Willia•son as Trustee under the last vill and teat. .ent of Mia.Georgia Lee Willi. .aon to Van Gould llillia•son, (Mrs.) Martba Lee W. Gibbs and (Mrs.) Maude W. Garner by that certain deed dated January 1, 1983 and recorded in the Office of the Clerk of Superior Court of Wayne County, Georgia, in Deed Book •219•, pages •320-322•, being deaginated aa tract nuaber 3 in said deed.

'1'0 HAVE AND TO BOLD the ... aneo ... successors and assigns, forever IN FEE SIMPLE.

Firat parties warrants aDd vill forever defend the rigbt aDd title to said Property uiato •ecoacs party, ita aucceaSOE"a aDd aaaion-, av.., tbe cialaa of all persons.

IN WITNESS WHEREOF, first parties have caused conveyance to be executed, on the day and year above-written.this

Recorded July 7, 1993
Dep. Clerk, S.C.W.C., Ga.

VI. 317 NI 186

B1VMII- - - - led udl
cleliwwed
1a tbe ....., of a

Witness

Notary Public, Wayne Co. Ga.

Notary Public, Liberty County, Georgia
My Commission Expires April 13, 1996

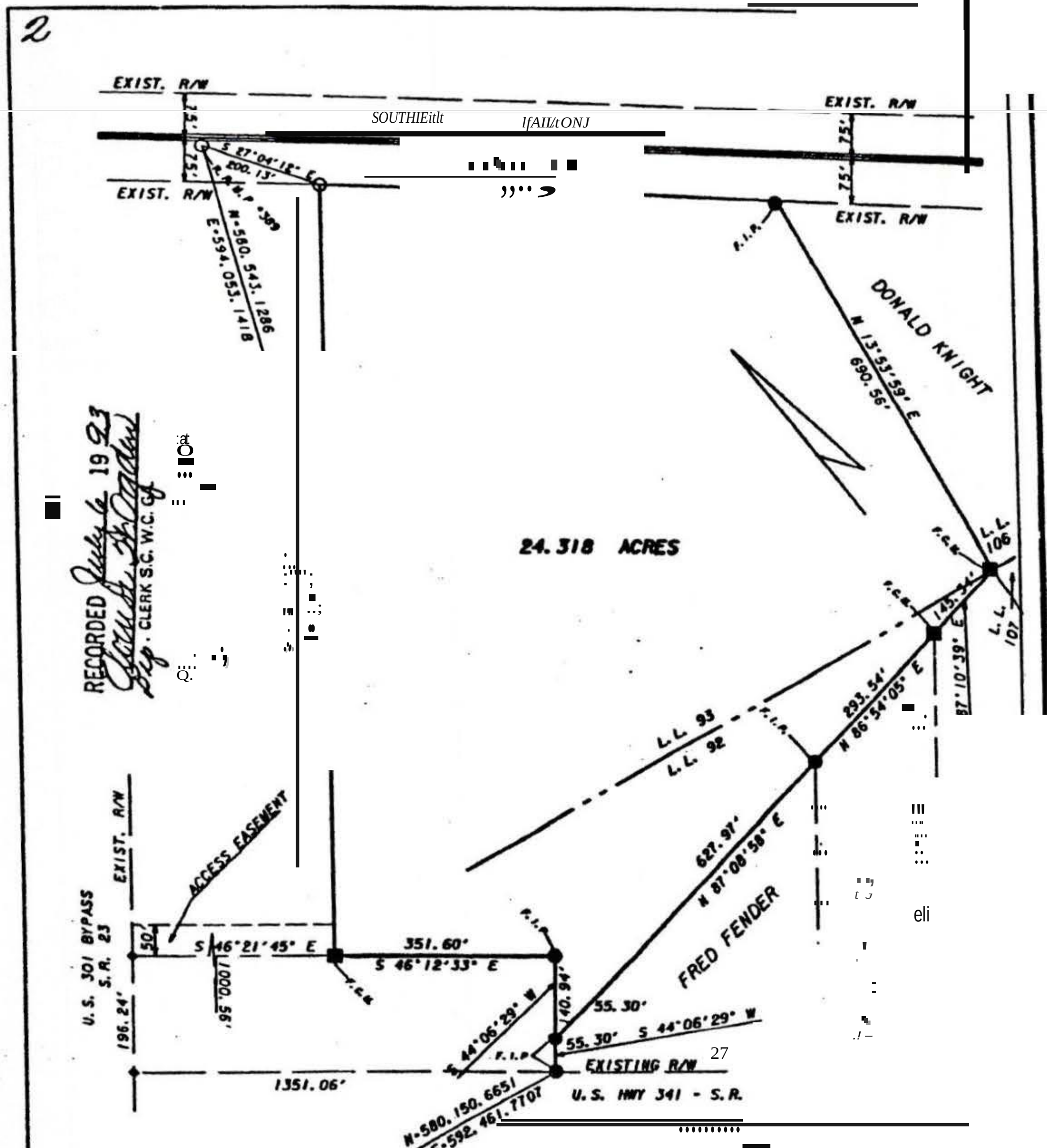
Van Gould Williamson, Sr.

Maude W. Garner by her attorneys-in-fact Van Gould Williamson, Sr., and Martha Lee W. Gibbs

zoo • CALDWBLL
At:p at: Lev
Poet Office Box 1075
Jeeap,Georgia 315t5
(912)t27-195t

Recorded July 7, 1993
Dep. Clerk, S.C.W.C., Ga.

2



IN MY OPINION THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE PROPERTY PLATTED AND HAS BEEN PREPARED IN CONFORMITY WITH THE MINIMUM STANDARDS AND REQUIREMENTS OF THE LAW.

APPROVED BY

EQUIP. TOTAL STATION

DEPT. OF TRANSPORTATION - STATE OF GEORGIA

SURVEY FOR DEPT. OF TRANSP

AREA	LAND LOT	LAND DIST.	CITY	COUNTY
24.318 ACS.	92, 93	1255	CITY OF JESUP	WAYNE

CITY: JESUP

STATE: GEORGIA

GEORGIA REGISTERED LAND SURVEYOR No. 1850 JOHN O. PARKER

LEGEND

- O INDICATES IRON PIN SET
- ● INDICATES IRON PIN FOUND
- O INDICATES CONCRETE R/W MARKER SET
- ■ INDICATES CONCRETE MARKER FOUND

DRAWN BY | JOB NO.

REFERENCES: P.B. 9 - PG. 216

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VOl 320 f'&l. 81

GEORGIA, MXJIB COUNTY

PROJECT ItO. liLA
P.I. ItO. liLA

THIS CONVEYANCE aade and executed the AJ;Jo., ay of /'ff"lfi!B£12-, u_f"f'.

WITNESSETH that mm ngma , the under-signed (hereinafter referred to as "Grantor•), is the owner of a tract ot land in JfAXlIE.... COUNTY through which liLA , known as Project No. liLA , has been laid out by the Departaent of Transportation being aore particularly described in a aap and drawing of said road in the office of the Departaent of Transportation, Mo. 2 capitol Square, Atlanta, Georgia, to which reference is hereby wade.

NOW, THEREFORE, in consideration of the benefit to said property by the construction and aaintenance of said road; and in consideration of ONE DOLLAR ($1.00), in hand paid, the receipt whereof is hereby acknowledged, Grantor doea hereby grant, sell and convey to said Departaent of Transportation, and their successors on office so •uch land as to aake a right of way tor said road as su.rveyed, baing aore particularly described as follows:

All that tract or parcel oland lying and belng in Land Lot of the 111 Land District andjor BL6 Georgia Militia District of K6XKB COUNTY, Georgia, and being aore particularly described on Exhibit •A•attached hereto and aade a part hereof by this refe;rance.

said right of way is hereby conveyed, consisting of acres aore or less as shown colored yellow on the plat of the property prepared by the Departaent of Transportation, dated 7-28-1993 : revised liLA , said plat attached hereto and aade a part of this deed as Exhibit e•.

For the saae consideration Grantor hereby conveys and relinqUishes to the Depart-nt of Transportation all rights of access between the liaited access highway and approaches thereto on the above nuabered highway project and Grantor's reaaining real property froa which said right of way is taken except at such points as designated and shown on the attached plat prepared by the Depart-nt of Transportation.

TO HAVE AND '1'0 HOLD the said conveYed pr-ises in fee siaple and arights Grantor has or aay have in and to existing public rights of vay-, ue llereby quitclailled and conveyed unto the Depart.ent of 'l'ransportati.. g lJ

Grantor hereby warrants that Grantor ball the right to sell n, J., y s ra land and bind hiaself, his beira, exeoutora and aelainiatratonr tprevcq; to;-:-, defend by virtue of these preaenta.

IN WITNESSETH WHEREOFGrantor ball bereunto —t Ilia band1 — l;J ae written. o.o

Signed, Sealed and Delivered this 29th day of SEPTEMBER, 1993, in the presence of:

Witness

Notary Public

Notary Public, Georgia, Chip of Large My Commission Expires August 19, 1996.

FRED PBIIDER ------(L.S.)

----------CL.S.)

(L.s:)

,(L.S.)

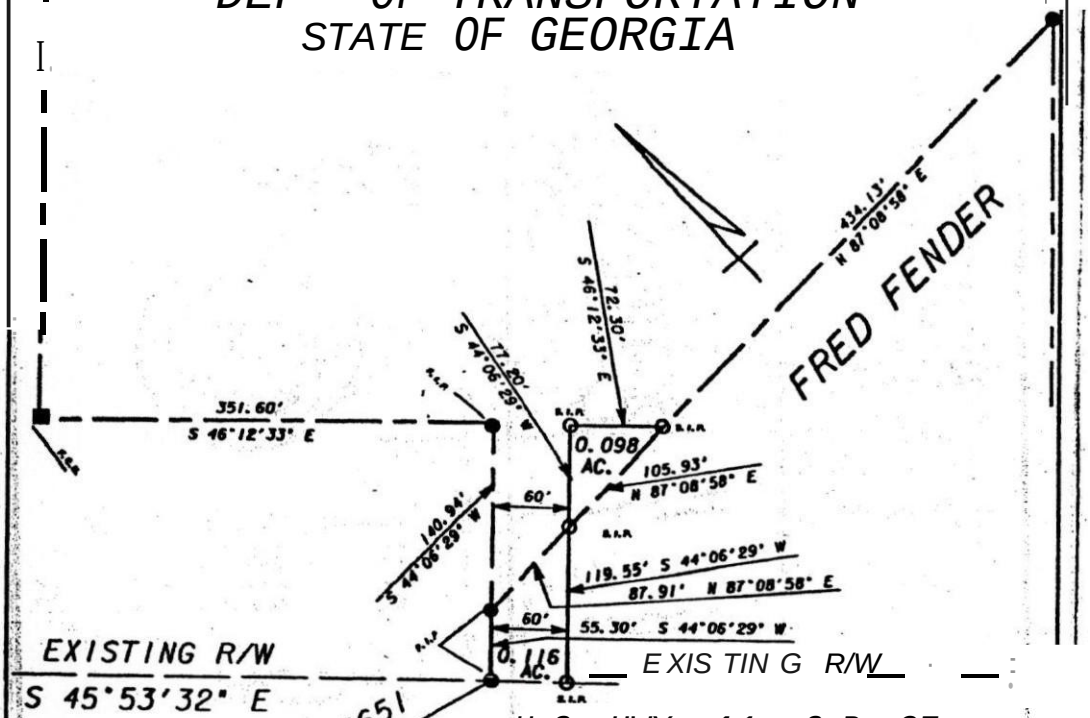
PARCEL NO: N/A

DOT' 118 UV.08/90"

Recorded October 1, 1993

Dep. Clerk, S.C.W.C., Ga.

DEP OF TRANSPORTATION
STATE OF GEORGIA



RECORDED Oct. 1 1993
Louise W. Ogden
Dep. CLERK SUPERIOR COURT

IN MY OPINION THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE PROPERTY PLATTED AND HAS BEEN PREPARED IN CONFORMITY WITH THE MINIMUM STANDARDS AND REQUIREMENTS OF THE LAW.

APPROVED BY

scale 1"= 100'

GEORGIA REGISTERED No. 1850 LAND SURVEYOR JOHN O. PARKER

LAND LOT 92 | DISTRICT 11 | COUNTY WAYNE | CITY OF JESUP | SURVEY 1255

DEPT. OF TRANSPORTATION - STATE OF GEORGIA

0.21-4 ACS.

7-28-9 1"•100'

TOTAL STATION

GEORGIA

JESUP

I IN 21124-011

P- B. 9 – ~;. 21tJ

Wayne County
Board of Tax Assessors

Recent Sales in Area | Previous Parcel | Next Parcel | Field Definitions | Return to Main Search Page | Wayne Home

Owner and Parcel Information

Owner Name	STATE OF GEORGIA	Today's Date	April 25, 2016
Mailing Address	WAYNE STATE PRISON	Parcel Number	112-6
	PO BOX 219 ODUM, GA 31555	Tax District	County (District 02)
Location Address	PB 29-2 ADDED 24.31	2014 Millage Rate	30.000
Legal Description		Acres	55.13
Property Class(NOTE: Not Zoning Info)	E1-Exempt	Neighborhood	
Zoning		Homestead Exemption	No (S0)
		Parcel Map	Show Parcel Map

2015 Tax Year Value Information

Land Value	Improvement Value	Accessory Value	Total Value	Previous Value
$ 844,665	$ 147,889	$ 6,859	$ 999,413	$ 999,413

Land Information

Type	Description	Calculation Method	Soil Productivity	Acres	Photo
RUR	TIMBERLAND	Rural	3	55.13	NA

Improvement Information

Description	Value	Actual Year Built	Effective Year Built	Square Feet	Wall Height	Wall Frames	Exterior Wall
PUBLIC BUILDING	$ 58		1900	1	12		
Roof Cover	**Interior Walls**	**Floor Construction**	**Floor Finish**	**Ceiling Finish**	**Lighting**	**Heating**	**Sketch**
						001-0	NA

Description	Value	Actual Year Built	Effective Year Built	Square Feet	Wall Height	Wall Frames	Exterior Wall
PREFABRICATED METAL BUILDING	$ 147,831	1996		3,000	12		METAL
Roof Cover	**Interior Walls**	**Floor Construction**	**Floor Finish**	**Ceiling Finish**	**Lighting**	**Heating**	**Sketch**
METAL	CEILING ONLY	CONCRETE SLAB	CONCRETE			001-0	NA

Accessory Information

Description	Year Built	Dimensions/Units	Value
Canopy, Excellent, Over Gas	1	100x25 2500	$ 1

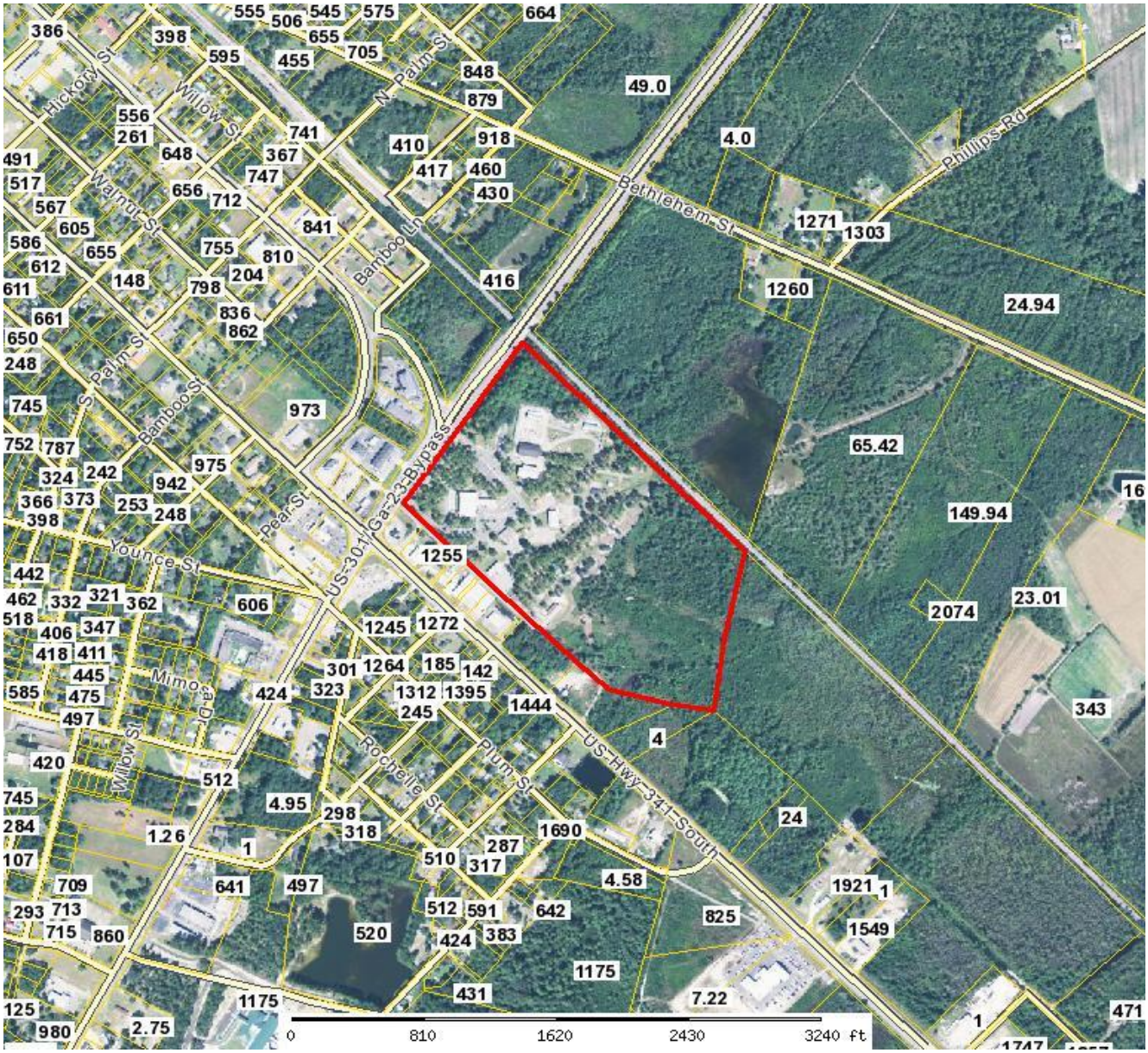
Sale Information

Sale Date	Deed Book / Page	Plat Book / Page	Sale Price	Reason	Grantor	Grantee
07/01/1993	0317 0185		$ 31,655	Fair Mkt - Improved		STATE OF GEORGIA

Permit Information

Permit Date	Permit Number	Type	Description
No permit information associated with this parcel.			

Recent Sales in Area | Previous Parcel | Next Parcel | Field Definitions | Return to Main Search Page | Wayne Home



Wayne County Assessor			
Parcel: 112-6 Acres: 55.13			
Name:	STATE OF GEORGIA	Land Value	$844,665.00
Site:	PB 29-2 ADDED 24.31	Building Value	$147,889.00
Sale:	$31,655 on 07-1993 Reason=FM Qual=Q	Misc Value	$6,859.00
Mail:	WAYNE STATE PRISON PO BOX 219 ODUM, GA 31555	Total Value:	$999,413.00

Date printed: 04/25/16 : 16:46:07

Appendix II – Georgia EPD Correspondence (RRS)

March 11, 2011

GEORGIA DEPARTMENT OF NATURAL RESOURCES
Environmental Protection Division
Hazardous Sites Response Program
2 Martin Luther King, Jr. Drive SE, Suite 1462
Atlanta, Georgia 30334

Attention: Ms. Alexandra Cleary

Subject: **Response to Notice of Deficiencies**
Georgia Department of Transportation
Jesup District Office – HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia
S&ME Project No. 1684-07-807D

Dear Ms. Cleary:

S&ME, Inc. (S&ME) is pleased to provide this *Response to Notice of Deficiencies* on behalf of Georgia Department of Transportation Office of Materials and Research for the above-referenced site. This correspondence was developed to respond to the December 27, 2010 EPD letter. One paper copy and two (2) electronic copies of this report are provided in Portable Document Format (PDF) for your use.

Should you have any questions or concerns regarding this report, please contact any of the undersigned at (770) 919-0969.

Sincerely,

S&ME, Inc.

William J. Wagner, Jr., P.E.
Project Engineer

GEORGIA REGISTERED No. 031309 PROFESSIONAL ENGINEER WILLIAM J. WAGNER, JR.

Steve Diamond, P.E.
Environmental Department Manager

Senior Reviewed by Eric Lowe, P.G.

GEORGIA EPD HSRP COMMENTS AND AFFLIATED RESPONSES

The following sections address the Georgia EPD HSRP comments outlined in the December 27, 2010 "Notice of Deficiency" (NOD) letter. A copy of the December 27, 2010 "Notice of Deficiency" is included as **Exhibit A.**

Proposed Corrective Action

Comment #1

In response to Comment 5, S&ME recommends to conduct the proposed chemical injection prior to evaluating the installation of additional monitoring wells. EPD requires the installation of 2 sets of nested wells to the west and south/southwest of MW-32 prior to full-scale chemical injection. Sufficient groundwater sampling from these wells and associated analysis must be completed prior to full-scale chemical injection. Cross-sections and figures should be revised as appropriate.

Response

S&ME proposes to install two sets of nested monitoring wells (MW-23 and MW-24) to the west and southwest of MW-22 (MW-32 is misprint). Monitoring wells MW-23 and MW-24 will be installed as Type II wells to evaluate the upper aquifer (approximately 20' below ground surface [bgs]). Monitoring wells MW-23A and MW-24A will be installed as Type III wells to evaluate the middle aquifer (approximately 50' bgs). The locations of these monitoring wells are shown on Figure 1 in **Exhibit B.**

Comment #2

The response to Comment 6, Comment 9 and the proposed schedule appear to contradict each other. Specifically, the response to Comment 6 seems to suggest that a pilot study will be conducted before full-scale implementation while the response to Comment 9 and the proposed schedule appear to indicate a full-scale chemical injection event is proposed. Please clarify where a pilot study will be implemented and evaluated prior to full-scale chemical injection. If a pilot study is proposed, a pilot study evaluation report needs to be included in the proposed schedule.

Response

The injection event proposed will be a pilot study to evaluate the effectiveness of the remedial strategy. It should be noted that an evaluation report (Injection Progress Report) was proposed to be submitted in accordance with the milestone schedule previously submitted.

Comment #3

EPD has reviewed the provided cross-section and has the following comments:

a. *Revise cross-section A-A' to include monitoring wells MW-3, MW-6D, MW-1B. MW-3 and MW-6D should be designated as abandoned.*
b. *It appears there may be an intermediate aquifer between the defined upper aquifer and the defined middle aquifer. It appears that MW-1, MW-7A, MW-2, and MW-6 are placed within the interim aquifer and are contaminated with primarily DCE. Please refer to remaining comments below and determine if a separate aquifer designation is required.*
c. *Revise the single water table surface to represent water table surfaces for each aquifer (i.e. upper, middle, deep and intermediate, if appropriate) as the aquifers presented as being independent of each other and reported as flowing in different direction.*
d. *Groundwater results for MW-7 are not reported on this figure and separate isoconcentration lines are not presented for chlorinated solvents in the individual aquifers. Revise as appropriate.*
e. *Revise the cross-section as it is also noted that a clay layer should be denoted at the bottom of MW-7D and the area denoting a clay layer separating the sandy feature around MW-3A and sandy clay feature of MW-7D is not documented and should be replaced by "?".*
f. *Please include the other injection wells as offsets on the cross-section as the proposed corrective action plan indicated on injection well to be terminated at 20' while the remainder were to be terminated at 50'. However, it is noted that all of the injection wells are terminated in the middle aquifer only. (Additionally, please submit a copy of well construction diagram for injection well I-4 as it is missing from both the hard copy report and electronic copy. Please also submit boring logs for the injection wells or revise construction diagrams to include geologic classifications.)*
g. *Include deep wells as appropriate.*

Response

a. The requested edits were revised on Cross Section A-A' based on the above comments. A Cross Section Location Map and the revised Cross Section A-A' is provided as Figures 2 and 3, respectively in **Exhibit C.**

b. EPD comments were noted. Monitoring wells MW-1, MW-2, MW-6, and MW-7A are installed at depths ranging from 33 to 37 feet bgs which is considered to be the middle aquifer. The middle aquifer is being considered to be between depths ranging from approximately 19' bgs to 55' bgs. Based on lithology observed during the installation of monitoring wells conducted by S&ME, there is a clay zone that appears to be separating the aquifers. The clay zone appears to separate the upper aquifer at approximately 19' bgs and separates the middle aquifer at approximately 55' bgs. It is noted that DCE has been detected in the middle aquifer particular in monitoring wells MW-3A (55' bgs) and MW-7D (49'

bgs) which is detected above the approved RRS; therefore, warranting the recommendation of the pilot test of chemical oxidation injection.

c. The revised cross sections present the water table aquifers independently.

d. Groundwater results for MW-7 are presented on the revised cross sections.

e. The revised cross sections denotes areas that are not fully known with "?".

f. Each injection well was terminated within the middle aquifer at different depths ranging between 45 and 55 feet. Injection well I-4 was not installed; therefore, no well construction diagram is available. The injection wells (I-1 through I-3 and I-5 through I-8) were straight augered; therefore, soil classification was not conducted during the installation process. However, these injection wells are installed within areas surrounding the respective monitoring wells (MW-3A and MW-7D) that should be representative of the lithology of the monitoring wells.

g. Deep wells are included on the revised cross sections where appropriate.

Comment #4

In the response to Comment 7, MW-1 was included in the post-injection monitoring network; however, in the response to Comment 9, MW-1 was omitted. However, based on EPD's review of the cross-section, MW-1 is not appropriate for monitoring either the upper or middle aquifer as it is terminated in what appears to be an intermediate aquifer. Therefore, please re-evaluate the entire proposed groundwater monitoring network to determine which wells in which aquifers will be used as sentinel wells and provide a determination as to the monitoring period sufficient to demonstrate contamination outside the area of influence will reach the sentinel wells. Please note that EPD will not be able to concur that the contamination is remediated until that timeframe has passed.

Response

Considering the injection wells installed are at depths ranging from 45 to 55 feet the proposed wells (MW-2, MW-3A, MW-7, MW-7A, MW-7D, MW-19A, MW-20, and MW-22) should be sufficient for groundwater monitoring network. Monitoring wells (MW-7 and MW-22) will be utilized to monitor the upper aquifer. Monitoring wells (MW-2, MW-3A, MW-7A, MW-7D, MW-19A, and MW-20) will be utilized to monitor the middle aquifer. In addition to chemicals of concerns (COCs), the pre and post sampling of these wells will include total metals, hexavalent chromium, and chlorides.

Monitoring wells associated with this site have been monitored since 1992; therefore, it appears any contamination associated with the site has reached these groundwater wells and been monitored. It should be noted that overall it appears that COCs show a decreasing and/or stable trend.

Comment #5

Comment 8 stated MW-7D is the only well in the proposed monitoring network at the top of clay in the middle aquifer. The response state there are several other wells are located at a similar depth; however, wells MW-20, MW-8A, MW-9A, MW-19A, MW-12A are not included in the monitoring network and MW-3A terminates on sand at some unknown distance above the clay layer. Please also see comment 4 above regarding reevaluation of the proposed monitoring well network.

Response

It should be noted that MW-19A and MW-20 have been included as part of the monitoring well network. Monitoring wells MW-8A, MW-9A, and MW-12A appear to be outside the anticipated zone of influence. However, all monitoring wells will continue to be monitored during comprehensive sampling to be conducted at the site.

Comment #6

In order to better understand the geology and hydrogeology in the area, EPD also recommends you consider reviewing cross-sections perpendicular to the plume centerline, for example, cross-sections from MW-1 through MW-19 cluster, MW-3A cluster, to the MW-4 cluster; MW-21 through MW-20, MW-1 cluster, to the MW-4 cluster; and MW-10 through MW-2 cluster, MW-8 cluster, MW-15 to MW-18. This information may assist in determining the corrective action appropriate to this site.

Response

The Georgia EPD's comments are noted and the cross sections were adjusted accordingly. A Cross Section Location Map is included as Figure 2 in **Exhibit C**. Cross Sections B-B', C-C', and D-D' are shown on Figures 4 through 6, respectively and are included in **Exhibit C**. The cross sections were prepared based on historical information (boring logs, etc.) provided to S&ME. Areas that are considered unknown are marked as "?".

Comment #7

The current proposal is not sufficient to demonstrate the effectiveness of a pilot study as it does not include a sufficient well network to provide a radius of influence with the timeframe provided in the schedule. Furthermore, if the proposal represents a full-scale chemical injection, it fails to address contamination in the upper and potentially intermediate aquifers.

Response

To assist in evaluating the technology and the potential radius of influence, S&ME proposes to inject in one upgradient injection well at each monitoring well location (i.e. I-1 at MW-3 and I-5 at MW-7D) and utilize the remaining injection wells (I-2, I-3, and I-6 through I-8) and established monitoring well network (MW-2, MW-3A, MW-7,

MW-7A, MW-7D, MW-19A, MW-20, and MW-22) to conduct performance monitoring (pressure influence, pH, DO, ORP, and conductivity).

Comment #8

Please submit a revised schedule to address the comments above.

Response

A revised schedule is provided as **Exhibit D**.

Comment #9

The following risk reduction standards were approved in EPD's letter dated September 2, 2010:

Table 1
Approved Risk Reduction Standards and ISWQS (mg/L)

Regulated Substance	Soil RRS1 (mg/kg)	Groundwater RRS3 and RRS1 (mg/L)	Groundwater RRS4 (mg/L)	Surface Water ISWQS (mg/L)
TCE	5.00E-01	5.00E-03	3.77E-02	8.10E-02
111 TCA	2.00E+01	2.00E-01	1.36E+01	5.28E-01
112 TCA	5.00E-01	5.00E-03	4.64E-02	4.20E-02
11 DCE	7.00E-01	7.00E-03	5.24E-01	3.20E-03
11 DCA	4.00E-02	4.00E+00	4.64E-01	To be determined
Cis 12 DCE	7.00E+00	7.00E-02	1.02E+00	To be determined
Trans 12 DCE	To be determined	To be determined	To be determined	1.40E+01
12 DCA	5.00E-01	5.00E-03	2.86E-03	9.90E-02
Vinyl Chloride	2.00E-01	2.00E-03	3.27E-03	5.25E-01
14 Dioxane	To be determined	To be determined	To be determined	To be determined

However the revisions to Appendix X failed to address the items "to be determined" above (with the exception of 1,1 DCA soil Type 1 risk reduction standard of 400 mg/kg). Please submit only the requested information for 1,4 Dioxane, trans 1,2 DCE, cis 1,2 DCE, and 1,1 DCA.

Response

Table 1
Approved Risk Reduction Standards and ISWQS (mg/L)

Regulated Substance	Soil RRS1 (mg/kg)	Groundwater RRS3 and RRS1 (mg/L)	Groundwater RRS4 (mg/L)	Surface Water ISWQS (mg/L)
TCE	5.00E-01	5.00E-03	3.77E-02	8.10E-02
111 TCA	2.00E+01	2.00E-01	1.36E+01	5.28E-01
112 TCA	5.00E-01	5.00E-03	4.64E-02	4.20E-02
11 DCE	7.00E-01	7.00E-03	5.24E-01	3.20E-03
11 DCA	4.00E-02	4.00E+00	4.64E-01	**2.00E-03***
Cis 12 DCE	7.00E+00	7.00E-02	1.02E+00	**7.00E-02***
Trans 12 DCE	**1.00E+01**	**1.00E-01**	**1.61E-01**	1.40E+01
12 DCA	5.00E-01	5.00E-03	2.86E-03	9.90E-02
Vinyl Chloride	2.00E-01	2.00E-03	3.27E-03	5.25E-01
14 Dioxane	**1.50E+01**	**1.50E-01**	**7.74E-03**	**1.50E-01***

**ISWQS not available; therefore, MCLs or PQL were used.*

The requested information is provided in the above table (bold highlighted). The updated tables with calculations are provided in **Exhibit E**. It should be noted that historically trans 1,2 DCE and 1,4 Dioxane have been reported below laboratory detection limits in all monitoring wells associated with the subject site; therefore, are not a chemical of concern and RRSs are not warranted at this time.

Georgia Department of Natural Resources

2 Martin Luther King, Jr. Dr., S.E., Suite 1462 East, Atlanta, Georgia 30334
Mark Williams, Commissioner
Environmental Protection Division
F. Allen Barnes, Director
Land Protection Branch
Mark Smith, Branch Chief

Reply To:
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1462, East Tower
Atlanta, Georgia 30334-9000
Office 404/657-8600 Fax 404-657-0807

December 27, 2010

Georgia Department of Transportation
c/o Mr. Thomas Scruggs
15 Kennedy Drive
Forest Park, GA 30297

Re: Response to Notice of Deficiencies
dated December 15, 2010
GA DOT Jesup District Office Complex (HSI #10742)
204 North Highway 301, Jesup, Wayne Co, GA
Tax Parcel ID No. 112-6

Dear Mr. Scruggs:

The Georgia Environmental Protection Division (EPD) has reviewed the Response to Notice of Deficiencies dated December 15, 2010 for the above referenced site. EPD concurs with a majority of the responses which indicate the necessary revisions will be incorporated into future documents; however, EPD requires additional responses to the following comments:

Proposed Corrective Action:

1. In response to Comment 5, S&ME recommends to conduct the proposed chemical injection prior to evaluating the installation of additional monitoring wells. EPD requires the installation of 2 sets of nested wells to the west and south/southwest of MW-32 prior to full-scale chemical injection. Sufficient groundwater sampling from these wells and associated analysis must be completed prior to full-scale chemical injection. Cross-sections and figures should be revised as appropriate.

2. The response to Comment 6, Comment 9 and the proposed schedule appear to contradict each other. Specifically, the response to Comment 6 seems to suggest that a pilot study will be conducted before full-scale implementation while the response to Comment 9 and the proposed schedule appear to indicate a full-scale chemical injection event is proposed. Please clarify whether a pilot study will be implemented and evaluated prior to full-scale chemical injection. If a pilot study is proposed, a pilot study evaluation report needs to be included in the proposed schedule.

3. EPD has reviewed the provided cross-section and has the following comments:

   a. Revise cross-section A-A' to include monitoring wells MW-3, MW-6D and MW-1B. MW-3 and MW-6D should be designated as abandoned.
   b. It appears there may be an intermediate aquifer between the defined upper aquifer and the defined middle aquifer. It appears that MW-1, MW-7A, MW2, and MW-6 are placed within the interim aquifer and are contaminated with primarily DCE. Please refer to remaining comments below and determine if a separate aquifer designation is required.
   c. Revise the single water table surface to represent water table surfaces for each aquifer (i.e. upper, middle, deep and intermediate, if appropriate) as the aquifers are

presented as being independent of each other and reported as flowing in different directions.

d. Groundwater results for MW-7 are not reported on this figure and separate isoconcentration lines are not presented for chlorinated solvents in the individual aquifers. Revise as appropriate
e. Revise the cross-section as it is also noted that a clay layer should be denoted at the bottom of MW-7D and the area denoting a clay layer separating the sandy feature around MW-3A and the sandy clay feature of MW-7D is not documented and should be replaced by "?".
f. Please include the other injection wells as offsets on the cross-section as the proposed corrective action plan indicated one injection well to be terminated at 20' while the remainder we to be terminated at 50'. However, it is noted that all of the injection wells are terminated in the middle aquifer only. (Additionally, please submit a copy of the well construction diagram for injection well I-4 as it is missing from both the hard copy report and electronic copy. Please also submit boring logs for the injection wells or revise construction diagrams to include geologic classifications.)
g. Include deep wells as appropriate.

4. In the response to Comment 7, MW-1 was included in the post-injection monitoring network; however, in the response to Comment 9, MW-1 was omitted. However, based on EPD's review of the cross-section, MW-1 is not appropriate for monitoring either the upper or middle aquifer as it is terminated in what appears to be an intermediate aquifer. Therefore, please re-evaluate the entire proposed groundwater monitoring network to determine which wells in which aquifers will be used as sentinel wells and provide a determination as to the monitoring period sufficient to demonstrate contamination outside the area of influence will reach the sentinel wells. Please note that EPD will not be able to concur that the contamination is remediated until that timeframe has passed.

5. Comment 8 stated MW-7D is the only well in the proposed monitoring network at the top of clay in the middle aquifer. The response stated there are several other wells are located at a similar depth; however, wells MW-20, MW-8A, MW-9A, MW-19A, MW12A are not included in the monitoring network and MW-3A terminates on sand at some unknown distance above the clay layer. Please also see comment 4 above regarding re-evaluation of the proposed monitoring well network.

6. In order to better understand the geology and hydrogeology in the area, EPD also recommends you consider reviewing cross-sections perpendicular to the plume centerline, for example, cross-sections from MW-11 thru MW-19 cluster, MW-3A cluster, to the MW-4 cluster; MW-21 through MW-20, MW-1 cluster, to the MW-4 cluster; and MW-10, through MW-2 cluster, MW-8 cluster, MW-15, to MW-18. This information may assist in determining the corrective action appropriate to this site.

7. The current proposal is not sufficient to demonstrate the effectiveness of a pilot study as it does not include a sufficient well network to provide a radius of influence within the timeframe provided in the schedule. Furthermore, if the proposal represents a full-scale chemical injection, it fails to address contamination in the upper and potentially intermediate aquifers.

Schedule:

8. Please submit a revised schedule to address the comments above.

Risk Reduction Standards (RRS):

9. The following risk reduction standards were approved in EPD's letter dated September 2, 2010:

Table 1
Approved Risk Reduction Standards and ISWQS (mg/L)

Regulated Substance	Soil RRS1 (mg/kg)	Groundwater RRS3 and RRS1 (mg/L)	Groundwater RRS4 (mg/L)	Surface Water ISWQS (mg/L)
TCE	5.00E-01	5.00E-03	3.77E-02	8.10E-02
111 TCA	2.00E+01	2.00E-01	1.36E+01	5.28E-01
112 TCA	5.00E-01	5.00E-03	4.64E-02	4.20E-02
11 DCE	7.00E-01	7.00E-03	5.24E-01	3.20E-03
11 DCA	**4.00E+02**	4.00E+00	4.64E-01	To be determined
Cis 12 DCE	7.00E+00	7.00E-02	1.02E+00	To be determined
Trans 12 DCE	To be determined	To be determined	To be determined	1.40E+01
12 DCA	5.00E-01	5.00E-03	2.86E-03	9.90E-02
Vinyl Chloride	2.00E-01	2.00E-03	3.27E-03	5.25E-01
14 Dioxane	To be determined	To be determined	To be determined	To be determined

However the revisions to Appendix X failed to address the items "to be determined" above (with the exception of 1,1 DCA soil Type 1 risk reduction standard of 400 mg/kg). Please submit ***only*** the requested information for 1, 4 Dioxane, trans 1,2 DCE, cis 1,2 DCE, and 1,1, DCA

While EPD could approve the proposed corrective action of in-situ chemical oxidation with sodium persulfate as an appropriate remedial remedy, the following deficiencies must be addressed to demonstrate the proposed corrective action will effectively remediate the contamination.

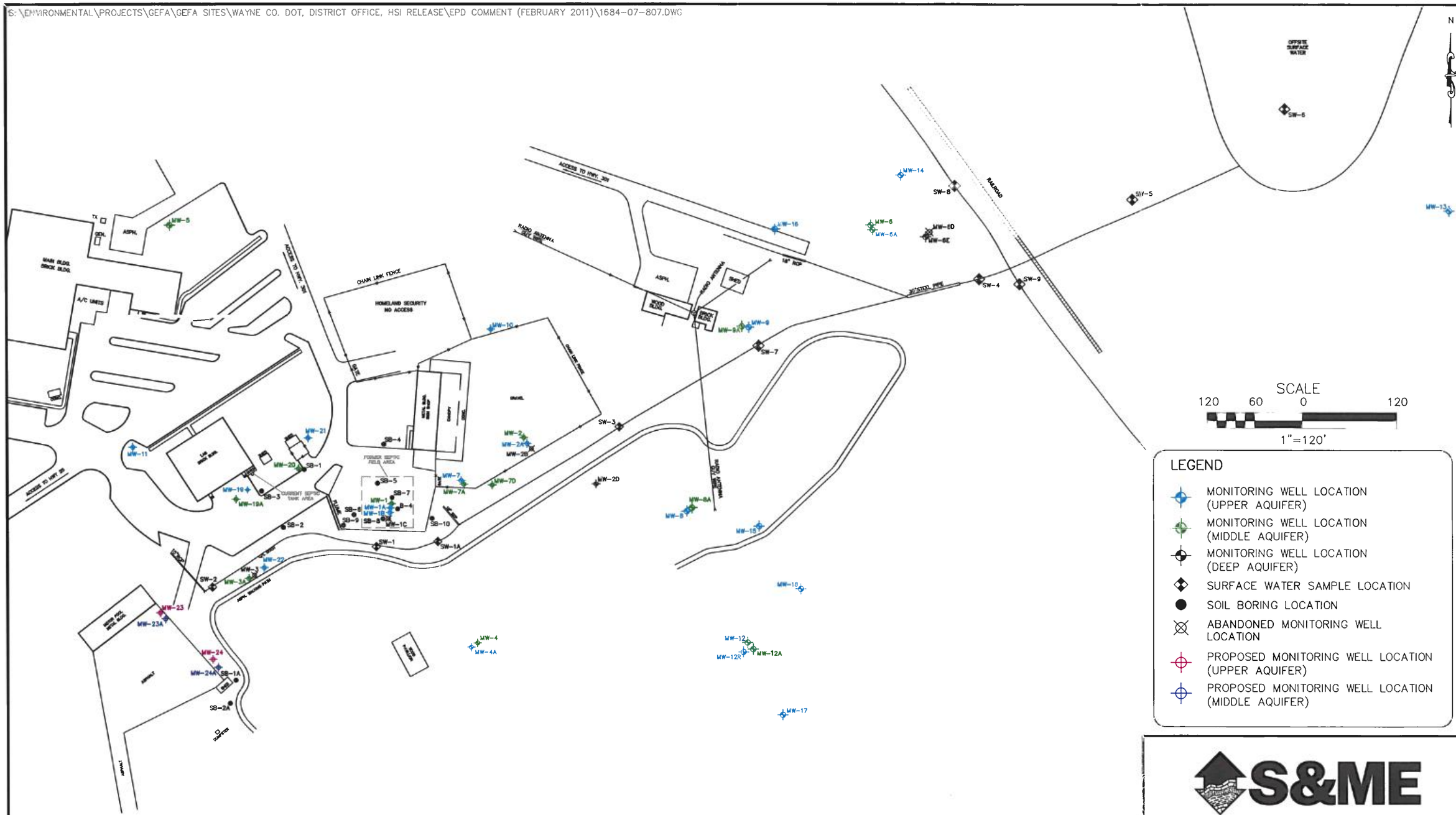
Please submit a response to this notice of deficiencies to this office by no later than March 18, 2011. If you have any questions, please contact me at 404-657-8600.

Sincerely,

Alexandra Y. Cleary
Program Manager
Response and Remediation Program

c: Bijan Rahbar, IUC

S:\ENVIRONMENTAL\PROJECTS\GEFA\GEFA SITES\WAYNE CO. DOT, DISTRICT OFFICE, HSI RELEASE\EPD COMMENT (FEBRUARY 2011)\1684-07-807.DWG



LEGEND

- MONITORING WELL LOCATION (UPPER AQUIFER)
- MONITORING WELL LOCATION (MIDDLE AQUIFER)
- MONITORING WELL LOCATION (DEEP AQUIFER)
- SURFACE WATER SAMPLE LOCATION
- SOIL BORING LOCATION
- ABANDONED MONITORING WELL LOCATION
- PROPOSED MONITORING WELL LOCATION (UPPER AQUIFER)
- PROPOSED MONITORING WELL LOCATION (MIDDLE AQUIFER)

S&ME

PROPOSED MONITORING WELL LOCATION MAP

JESUP DOT-DISTRICT OFFICE
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 1684-07-807	DRAWN BY: CLH	CHK'D BY: BJW
JOB NO: 1684-07-807D	DATE: 2-8-11	FIGURE NO: 1

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N

SCALE
80 40 0 80
1"=80'

LEGEND

- MONITORING WELL LOCATION (UPPER AQUIFER)
- MONITORING WELL LOCATION (MIDDLE AQUIFER)
- MONITORING WELL LOCATION (DEEP AQUIFER)
- INJECTION WELL LOCATION
- A—A' PRIME LINE LOCATION
- ABANDONED MONITORING WELL LOCATION

S&ME

CROSS-SECTION LOCATION MAP

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP WAYNE COUNTY, GEORGIA

FILE NAME: 1684-07-807D	DRAWN BY: CLH	CHK'D BY: BJW	
JOB NO: 1684-07-807D	DATE: 2-8-11	FIGURE NO: 2	

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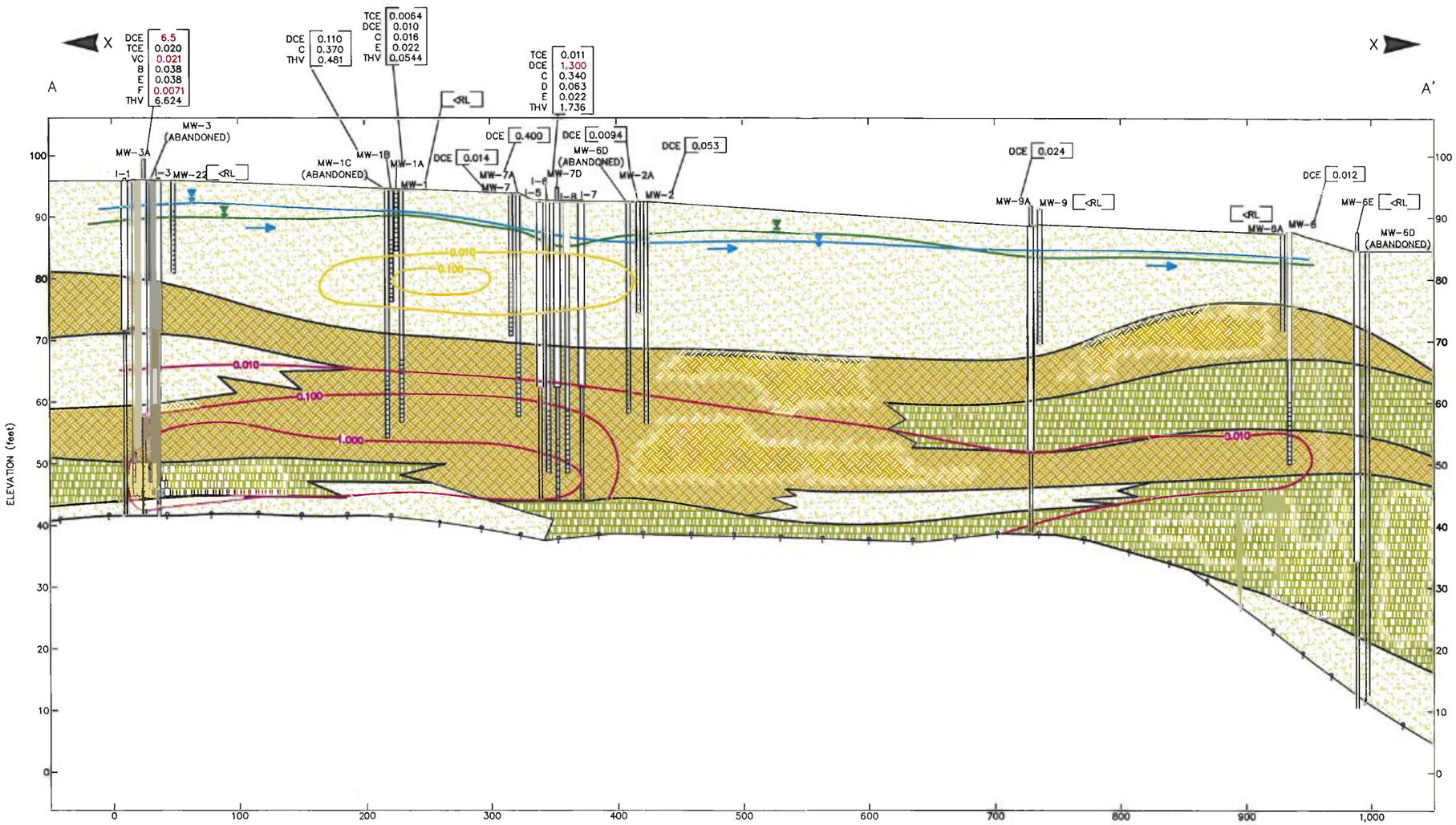


SCALE
60 30 0 60
1"=60'
VERTICAL EXAGGERATION: 5X

LITHOLOGY GRAPHICS

- SAND
- SANDY CLAY
- CLAY

WELL GRAPHICS

- SCREEN INTERVAL
- GROUNDWATER FLOW DIRECTION
- UNKNOWN BELOW LINE
- DOUBLE-CASED TYPE III
- UPPER AQUIFER GROUNWATER LEVEL
- MIDDLE AQUIFER GROUNWATER LEVEL

*NOTE: GROUNDWATER FLOW IS THE SAME DIRECTION (EASTERLY/NORTHEASTERLY) IN EACH AQUIFER (UPPER & MIDDLE).

LEGEND

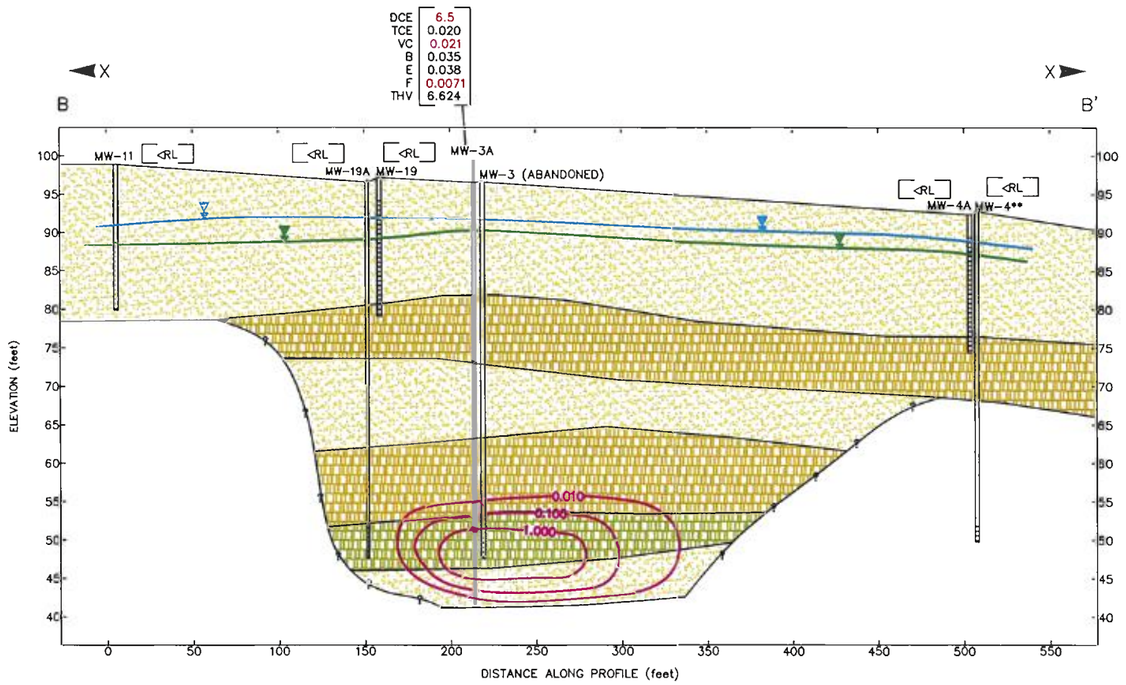
- TCE TRICHLOROETHENE (mg/L)
- DCE 1,1-DICHLOROETHENE (mg/L)
- VC VINYL CHLORIDE (mg/L)
- B 1,1,2,2-PCA 1,1,2,2-TETRACHLORAETHANE (mg/L)
- C 1,1,1-TCA[] 1,1,1 TRICHLOROETHANE (mg/L)
- D 1,1,2-TCA 1,1,2-TRICHLOROETHANE (mg/L)
- E 1,1-DCA 1,1-DICHLOROETHANE (mg/L)
- F 1,2-DCA[] 1,2-DICHLOROETHANE (mg/L)
- <RL LESS THAN REPORTING LIMITS
- RED CONCENTRATION ABOVE RRSs
- RRS RISK REDUCTION STANDARDS
- THV TOTAL HALOGENATED VOCs
- THV ISOCONTOUR (MIDDLE AQUIFER) (mg/L)
- THV ISOCONTOUR (UPPER AQUIFER) (mg/L)

S&ME

CROSS-SECTION A-A'

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

FILE NAME: A-A'	DRAWN BY: CLH	CHK'D BY: BJW
JOB NO: 1684-07-807D	DATE: 2-8-11	FIGURE NO: 3



LITHOLOGY GRAPHICS

SAND

SANDY CLAY

CLAY

WELL GRAPHICS

SCREEN INTERVAL

GROUNDWATER FLOW DIRECTION

UNKNOWN BELOW LINE

DOUBLE-CASED TYPE III

UPPER AQUIFER GROUNWATER LEVEL

MIDDLE AQUIFER GROUNWATER LEVEL

SCALE

55 27.5 0 55

1"=55'

VERTICAL EXAGGERATION: 4.5X

LEGEND

TCE	TRICHLOROETHENE (mg/L)
DCE	1,1-DICHLOROETHENE (mg/L)
VC	VINYL CHLORIDE (mg/L)
B	1,1,2,2-PCA 1,1,2,2-TETRACHLORAETHANE (mg/L)
C	1,1,1-TCA[] 1,1,1 TRICHLOROETHANE (mg/L)
D	1,1,2-TCA 1,1,2-TRICHLOROETHANE (mg/L)
E	1,1-DCA 1,1-DICHLOROETHANE (mg/L)
F	1,2-DCA[] 1,2-DICHLOROETHANE (mg/L)
<RL	LESS THAN REPORTING LIMITS
RED	CONCENTRATION ABOVE RRSs
RRS	RISK REDUCTION STANDARDS
THV	TOTAL HALOGENATED VOCs
	THV ISOCONTOUR (MIDDLE AQUIFER) (mg/L)
	THV ISOCONTOUR (UPPER AQUIFER) (mg/L)

*NOTE: GROUNDWATER FLOW IS THE SAME DIRECTION (EASTERLY/NORTHEASTERLY) IN EACH AQUIFER (UPPER & MIDDLE).

**NOTE: MONITORING WELLS INSTALLED BY PREVIOUS CONSULTANTS. DO NOT HAVE BORING INFORMATION.

S&ME

CROSS-SECTION B-B'

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

FILE NAME: B-B'	DRAWN BY: CLH	CHK'D BY: BJW	
JOB NO: 1684-07-807D	DATE: 2-8-11	FIGURE NO: 4	

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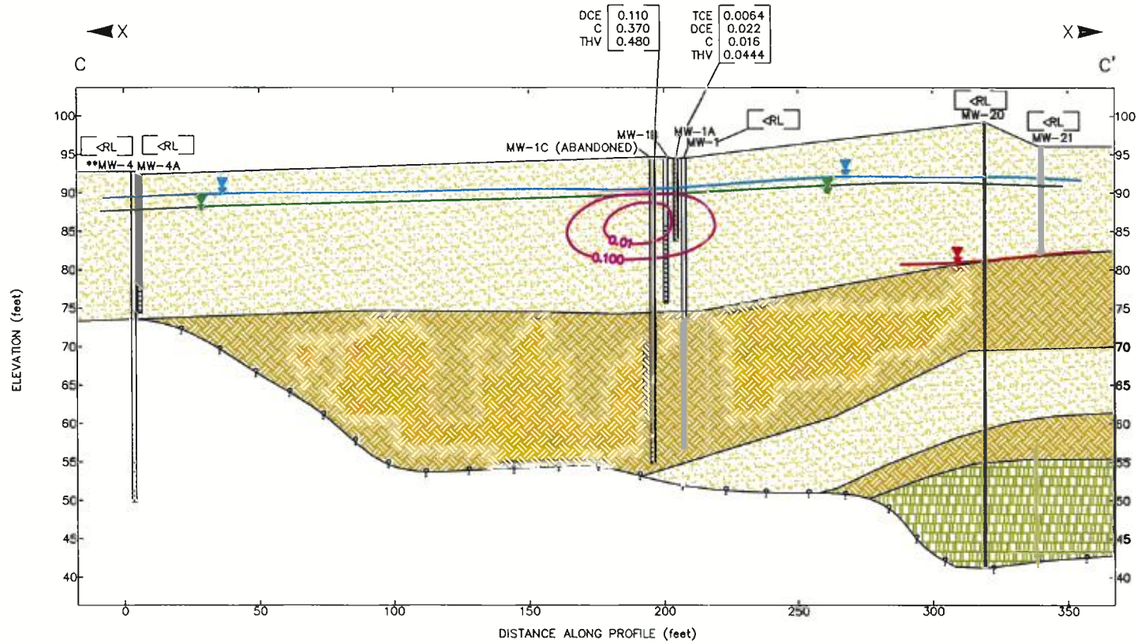

LITHOLOGY GRAPHICS

- SAND
- SANDY CLAY
- CLAY

WELL GRAPHICS

- SCREEN INTERVAL
- GROUNDWATER FLOW DIRECTION
- UNKNOWN BELOW LINE
- DOUBLE-CASED TYPE III
- UPPER AQUIFER GROUNWATER LEVEL
- MIDDLE AQUIFER GROUNWATER LEVEL
- DEEP AQUIFER GROUNWATER LEVEL

SCALE
35 17.5 0 35
1"=35'
VERTICAL EXAGGERATION: 3X

LEGEND

TCE	TRICHLOROETHENE (mg/L)
DCE	1,1-DICHLOROETHENE (mg/L)
VC	VINYL CHLORIDE (mg/L)
B	1,1,2,2-PCA 1,1,2,2-TETRACHLORAETHANE (mg/L)
C	1,1,1-TCA[] 1,1,1 TRICHLOROETHANE (mg/L)
D	1,1,2-TCA 1,1,2-TRICHLOROETHANE (mg/L)
E	1,1-DCA 1,1-DICHLOROETHANE (mg/L)
F	1,2-DCA[] 1,2-DICHLOROETHANE (mg/L)
<RL	LESS THAN REPORTING LIMITS
RED	CONCENTRATION ABOVE RRSs
RRS	RISK REDUCTION STANDARDS
THV	TOTAL HALOGENATED VOCs
	THV ISOCONTOUR (MIDDLE AQUIFER) (mg/L)
	THV ISOCONTOUR (UPPER AQUIFER) (mg/L)

*NOTE: GROUNDWATER FLOW IS THE SAME DIRECTION (EASTERLY/NORTHEASTERLY) IN EACH AQUIFER (UPPER & MIDDLE).

**NOTE: MONITORING WELLS INSTALLED BY PREVIOUS CONSULTANTS. DO NOT HAVE BORING INFORMATION.

S&ME

CROSS-SECTION C-C'

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

FILE NAME: C-C'	DRAWN BY: CLH	CHK'D BY: BJW	
JOB NO: 1684-07-807D	DATE: 2-8-11	FIGURE NO: 5	

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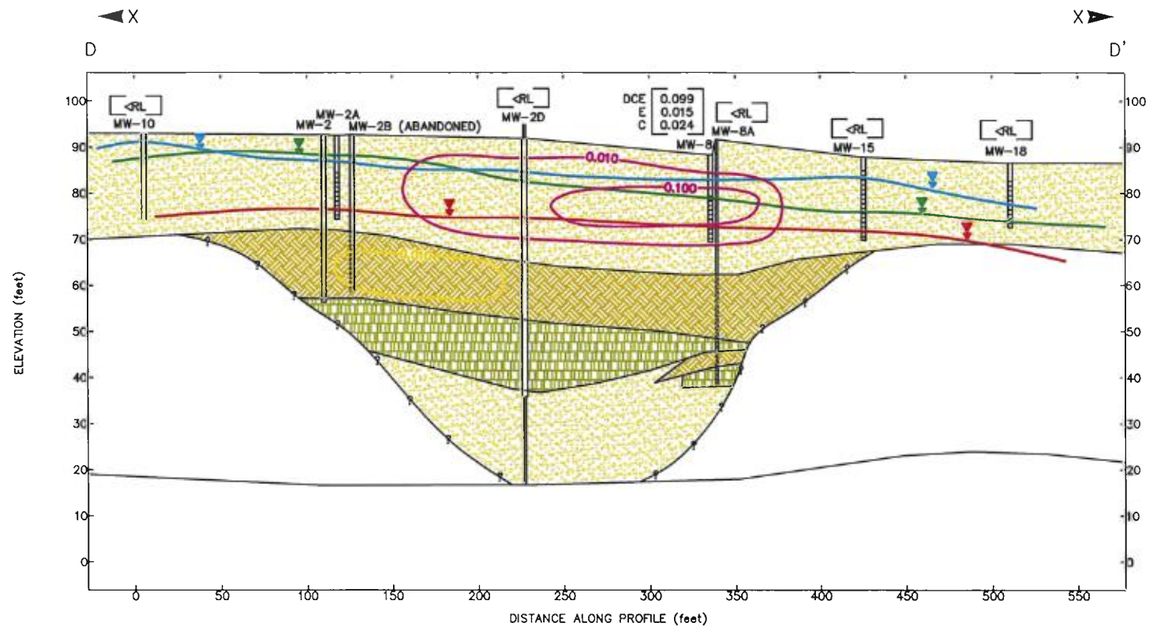


LITHOLOGY GRAPHICS

- SAND
- SANDY CLAY
- CLAY

WELL GRAPHICS

- SCREEN INTERVAL
- GROUNDWATER FLOW DIRECTION
- UNKNOWN BELOW LINE
- DOUBLE-CASED TYPE III
- UPPER AQUIFER GROUNWATER LEVEL
- MIDDLE AQUIFER GROUNWATER LEVEL
- DEEP AQUIFER GROUNWATER LEVEL

SCALE
55 27.5 0 55
1"=55'
VERTICAL EXAGGERATION: 2.5X

LEGEND

TCE	TRICHLOROETHENE (mg/L)
DCE	1,1-DICHLOROETHENE (mg/L)
VC	VINYL CHLORIDE (mg/L)
B	1,1,2,2-PCA 1,1,2,2-TETRACHLORAETHANE (mg/L)
C	1,1,1-TCA[] 1,1,1 TRICHLOROETHANE (mg/L)
D	1,1,2-TCA 1,1,2-TRICHLOROETHANE (mg/L)
E	1,1-DCA 1,1-DICHLOROETHANE (mg/L)
F	1,2-DCA[] 1,2-DICHLOROETHANE (mg/L)
<RL	LESS THAN REPORTING LIMITS
RED	CONCENTRATION ABOVE RRSs
RRS	RISK REDUCTION STANDARDS
THV	TOTAL HALOGENATED VOCs
	THV ISOCONTOUR (MIDDLE AQUIFER) (mg/L)
	THV ISOCONTOUR (UPPER AQUIFER) (mg/L)

*NOTE: GROUNDWATER FLOW IS THE SAME DIRECTION (EASTERLY/NORTHEASTERLY) IN EACH AQUIFER (UPPER & MIDDLE).

S&ME

CROSS-SECTION D-D'

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

FILE NAME: D-D'	DRAWN BY: CLH	CHK'D BY: BJW	
JOB NO: 1684-07-807D	DATE: 2-8-11	FIGURE NO: 6	

The following is a list of proposed milestones and estimated timeframe for completion and/or submittal:

Event	Days to Complete	Time Table
EPD Comment Response Letter	45 days	March 2011
CAP Activities		
Installation of New Wells	4 days	June 2011
Pre-Injection Limited Sampling Event	2 days	July 2011
Chemical Injection Event	8 days	August 2011
*Post-Injection Monitoring (sample all wells)	15 days	November 2011
Injection Progress Report Submittal	90 days	February 2012
**Compliance Monitoring	15 days	August 2012

*Post Injection Monitoring to be conducted quarterly after injection event
**Compliance Monitoring to be conducted semi-annually

TABLE 1
HSRA TYPE 3 and 4 RISK REDUCTION STANDARDS- Revised November 2010
INPUT PARAMETERS FOR RAGS CALCULATIONS
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
Per GA HSRA 391-3-19-.07(9)(d)

Toxicology Data

		Chronic Ref. Doses (mg/kg-day)				Cancer Slope Factors ((mg/kg-day)$^{-1}$)			
		Oral		Inhalation		Oral		Inhalation	
Chemical of Concern	CAS No.	RfD_o	ref.	RfD_i	ref.	Sf_o	ref.	Sf_i	ref.
1,1,1-TCA	71556	2.00E+00	IRIS	1.43E+00	IRIS*	NV	--	NV	--
1,1-DCA	75343	2.00E-01	PPRTV	NV	--	5.70E-03	CAL EPA	5.60E-03	CAL EPA**
1,1,2-TCA	79005	4.00E-03	IRIS	NV	--	5.70E-02	IRIS	5.60E-02	IRIS**
TCE	79016	NV	--	NV	--	5.90E-03	CAL EPA	7.00E-03	CAL EPA**
1,1-DCE	75354	5.00E-02	IRIS	5.71E-02	IRIS*	NV	--	NV	--
cis-1,2-DCE	156592	1.00E-02	PPRTV	NV	--	NV	--	NV	--
trans 1,2-DCE	156605	2.00E-02	IRIS	1.71E-02	PPRTV	NV	--	NV	--
1,4-dioxane	123911	3.00E-02	IRIS	1.03E+00	ASTDR*	1.00E-01	IRIS	2.70E-02	IRIS**
Vinyl Chloride	75014	3.00E-03	IRIS	2.86E-02	IRIS*	7.20E-01	IRIS	1.54E-02	IRIS**
Carbon Tetrachloride	56235	4.00E-03	IRIS	1.00E-01	IRIS*	1.30E-01	IRIS	2.10E-02	IRIS**
Chloroform	67663	1.00E-02	IRIS	2.80E-02	ASTDR*	3.10E-02	CAL EPA	8.05E-02	IRIS**
Acetone	67641	9.00E-01	IRIS	8.86E+00	ASTDR*	NV	--	NV	--
2-Butanone	78933	6.00E-01	IRIS	1.43E+00	IRIS*	NV	--	NV	--
Bromodichlormethane	75274	2.00E-02	IRIS	NV	--	6.20E-02	IRIS	1.30E-01	CAL EPA**
MTBE	1634044	NV	--	8.57E-01	IRIS*	1.80E-03	CAL EPA	9.10E-04	CAL EPA**
Naphthalene	91203	3.40E-05	CAL	8.57E-04	IRIS*	NV	--	1.19E-01	IRIS**
1,2-Dichloroethane	107062	2.00E-02	PPRTV	6.86E-01	ASTDR*	9.10E-02	IRIS	9.10E-02	IRIS**
Total Xylenes	1330207	2.00E-01	IRIS	2.86E-02	IRIS*	NV	--	NV	--
o-Xylene	95476	2.00E-01	IRIS	2.00E-01	CAL EPA *	NV	--	NV	--
4-chlorotoluene	106434	7.00E-02	PPRTV	NV	--	NV	--	NV	--

Notes:

IRIS, PPRTV, ATSDR and CAL EPA values are included in the Regional Screening Levels for Chemical Contaminants at Superfund Sites (May 2010) table.

CAS = Chemical Abstract Service Registry.
NV = No value.
* = IRIS/ASTDR values multiplied by 20/70 where 20 is the Intake Air Rate for worker and 70 is the Average time worker will be exposed.
** = IRIS/CAL EPA values multiplied by 70/20 X 1000, where 70 is the average body weight of the worker and 20 is the Intake Air Rate for the worker.

TCE = Trichloroethene or Trichloroethylene

TCA = Trichloroethane
DCE = Dichloroethene or Dichloroethylene

DCA = Dichloroethane

MTBE = Methyl tert-Butyl Ether

Ref. = Referenced Sources

IRIS = USEPA Integrated Risk Information System.

PPRTV = Provisional Peer Reviewed Toxicity Values

TABLE 2A
HSRA TYPE 3 and 4 RISK REDUCTION STANDARDS FOR GROUNDWATER - Revised November 2010
RAGS CALCULATIONS-Equations 1 and 2- March 2010
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
Per GA Rule 391-3-19-.07(9)(c)

		Non-Cancinogenic Toxic Effects					Carcinogenic Toxic Effects				
		Chronic Ref. Doses		Calculated Terms for RAGS B Equation 2		EPA RAGS B	Weight of Evidence Factors		Cancer Slope Factors		EPA RAGS B
		Oral	Inhalation						Oral	Inhalation	
		RfD_o	RfD_i	$1/RfD_o$	$1/RfD_i$	Equation 2		Target	SF_o	SF_i	Equation 1
Chemical of Concern	CAS No.	(mg/kg-day)		1/(mg/kg-day)		(mg/kg)	Class	Haz Risk	($mg/kg-day^{-1}$)		(mg/kg)
1,1,1-TCA	71556	2.00E+00	1.43E+00	5.00E-01	7.00E-01	1.36E+01	D	NA	NV	NV	NA
1,1-DCA	75343	2.00E-01	NV	5.00E+00	NA	2.04E+01	C	1.00E-04	5.70E-03	5.60E-03	4.64E-01
1,1,2-TCA	79005	4.00E-03	NV	2.50E+02	NA	4.09E-01	C	1.00E-04	5.70E-02	5.60E-02	4.64E-02
TCE	79016	NV	NV	NA	NA	NA	A	1.00E-05	5.90E-03	7.00E-03	3.77E-02
1,1-DCE	75354	5.00E-02	5.71E-02	2.00E+01	1.75E+01	5.24E-01	C	1.00E-04	NV	NV	NA
cis-1,2-DCE	156592	1.00E-02	NV	1.00E+02	NA	1.02E+00	D	NA	NV	NV	NA
trans 1,2-DCE	156605	2.00E-02	1.71E-02	5.00E+01	5.83E+01	1.61E-01	NA	NA	NV	NV	NA
1,4-dioxane	123911	3.00E-02	1.03E+00	3.33E+01	9.72E-01	2.37E+00	B2	1.00E-05	1.00E-01	2.70E-02	7.74E-03
Vinyl Chloride	75014	3.00E-03	2.86E-02	3.33E+02	3.50E+01	1.50E-01	A	1.00E-05	7.20E-01	1.54E-02	3.27E-03
Carbon Tetrachloride	56235	4.00E-03	1.00E-01	2.50E+02	1.00E+01	2.92E-01	B2	1.00E-05	1.30E-01	2.10E-02	8.42E-03
Chloroform	67663	1.00E-02	2.80E-02	1.00E+02	3.57E+01	2.24E-01	B2	1.00E-05	3.10E-02	8.05E-02	3.42E-03
Acetone	67641	9.00E-01	8.86E+00	1.11E+00	1.13E-01	4.56E+01	NA	NA	NV	NV	NA
2-Butanone	78933	6.00E-01	1.43E+00	1.67E+00	7.00E-01	1.18E+01	NA	NA	NV	NV	NA
Bromodichlormethane	75274	2.00E-02	NV	5.00E+01	NA	2.04E+00	B2	1.00E-05	6.20E-02	1.30E-01	2.11E-03
MTBE	1634044	NV	8.57E-01	NA	1.17E+00	8.76E+00	NA	NA	1.80E-03	9.10E-04	NA
Naphthalene	91203	3.40E-05	8.57E-04	2.94E+04	1.17E+03	2.49E-03	C	1.00E-04	NV	1.19E-01	2.40E-02
1,2-Dichloroethane	107062	2.00E-02	6.86E-01	5.00E+01	1.46E+00	1.58E+00	B2	1.00E-05	9.10E-02	9.10E-02	2.86E-03
Total Xylenes	1330207	2.00E-01	2.86E-02	5.00E+00	3.50E+01	2.88E-01	NA	NA	NV	NV	NA
o-Xylene	95476	2.00E-01	2.00E-01	5.00E+00	5.00E+00	1.86E+00	NA	NA	NV	NV	NA
4-chlorotoluene	106434	7.00E-02	NV	1.43E+01	NA	7.15E+00	NA	NA	NV	NV	NA

Non-cancer Based Soil Concentrations Calculated per Equation 2 of RAGS B. See Equation list in this Appendix
Cancer Based Soil Concentrations Calculated per Equation 1 of RAGS B. See Equation list in this Appendix

Terms and units EPA RAGS B Equations, HSRA Appendix III, Table 3 Default Values

Chemical Concentration	C	mg/l	***			
Target Hazard Index	THI	unitless	1.00E+00			
Target Risk	TR	unitless	1.00E-05	or	1.00E-04	
Oral Reference Dose	RfD_o	mg/kg-Day	chemical specific			
Inhalation Reference Dose	RfD_i	mg/kg-Day	chemical specific			
Oral Slope Factor	Sf_o	$mg/kg-Day^{-1}$	chemical specific			
Inhalation Slope Factor	Sf_i	$mg/kg-Day^{-1}$	chemical specific			
Adult Body Weight	BW	kg	70.00			
Averaging Time (nc)	ATnc	yr	25.00			
Averaging Time (c)	ATc	yr	70.00			
Exposure Freq.	EF	Days/yr	250.00		Non-Residential	
Exposure Duration	ED	years	25.00		Non-Residential	
Intake Rate - Air	IR_a	m^3/Day	20.00		Non-Residential	
Intake Rate - Water	IR_{water}	L/day	1.00		Non-Residential	
Water to air volatilization factor	K	L/m^3	0.50			

TABLE 2B
HSRA TYPE 3 and 4 RISK REDUCTION STANDARDS FOR GROUNDWATER - Revised November 2010
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
Per GA Rule 391-3-19-.07(9)(c)

Chemical of Concern	CAS No.	Appendix III, HSRA Value (mg/L)	Background Concentration (mg/L)*	Practical Quantitation Limit Method 8260B (mg/L)	Highest of Appendix III, Background, and PQL (mg/L)	Type 3 Groundwater RRS*** (mg/L)	Reasoning	Item 1 Non-Cancinogenic: Equation 2, RAGS Part B (mg/kg)	Item 2 Carcinogenic: Equation 1, RAGS Part B (mg/kg)	Lesser of Item 1 and Item 2	Type 4 Groundwater RRS (mg/L)	Reasoning
1,1,1-TCA	71556	2.00E-01	NA	NA	2.00E-01	**2.00E-01**	Appendix III	1.36E+01	NA	1.36E+01	**1.36E+01**	Non-carcinogenic Effects
1,1-DCA	75343	4.00E+00	NA	NA	4.00E+00	**4.00E+00**	Appendix III	2.04E+01	4.64E-01	4.64E-01	**4.64E-01**	Carcinogenic Effects
1,1,2-TCA	79005	5.00E-03	NA	NA	5.00E-03	**5.00E-03**	Appendix III	4.09E-01	4.64E-02	4.64E-02	**4.64E-02**	Carcinogenic Effects
TCE	79016	5.00E-03	NA	NA	5.00E-03	**5.00E-03**	Appendix III	NA	3.77E-02	3.77E-02	**3.77E-02**	Carcinogenic Effects
1,1-DCE	75354	7.00E-03	NA	NA	7.00E-03	**7.00E-03**	Appendix III	5.24E-01	NA	5.24E-01	**5.24E-01**	Non-carcinogenic Effects
cis-1,2-DCE	156592	7.00E-02	NA	NA	7.00E-02	**7.00E-02**	Appendix III	1.02E+00	NA	1.02E+00	**1.02E+00**	Non-carcinogenic Effects
trans 1,2-DCE	156605	1.00E-01	NA	5.00E-03	1.00E-01	**1.00E-01**	Appendix III	1.61E-01	NA	1.61E-01	**1.61E-01**	Non-carcinogenic
1,4-dioxane	123911	NA	NA	1.50E-01	1.50E-01	**1.50E-01**	PQL	2.37E+00	7.74E-03	7.74E-03	**7.74E-03**	Carcinogenic Effects
Vinyl Chloride	75014	2.00E-03	NA	NA	2.00E-03	**2.00E-03**	Appendix III	1.50E-01	3.27E-03	3.27E-03	**3.27E-03**	Carcinogenic Effects
Carbon Tetrachloride	56235	5.00E-03	NA	NA	5.00E-03	**5.00E-03**	Appendix III	2.92E-01	8.42E-03	8.42E-03	**8.42E-03**	Carcinogenic Effects
Chloroform	67663	8.00E-02	NA	NA	8.00E-02	**8.00E-02**	Appendix III	2.24E-01	3.42E-03	3.42E-03	**3.42E-03**	Carcinogenic Effects
Acetone	67641	4.00E+00	NA	NA	4.00E+00	**4.00E+00**	Appendix III	4.56E+01	NA	4.56E+01	**4.56E+01**	Non-carcinogenic Effects
2-Butanone	78933	2.00E+00	NA	NA	2.00E+00	**2.00E+00**	Appendix III	1.18E+01	NA	1.18E+01	**1.18E+01**	Non-carcinogenic Effects
Bromodichlorm ethane	75274	8.00E-02	NA	1.00E-02	8.00E-02	**8.00E-02**	Appendix III	2.04E+00	2.11E-03	2.11E-03	**2.11E-03**	Carcinogenic Effects
MTBE	1634044	NA	NA	5.00E-03	5.00E-03	**5.00E-03**	PQL	8.76E+00	NA	8.76E+00	**8.76E+00**	Non-carcinogenic Effects
Naphthalene	91203	2.00E-02	NA	NA	2.00E-02	**2.00E-02**	Appendix III	2.49E-03	2.40E-02	NA	**2.00E-02**	Appendix III
1,2-Dichloroethane	107062	5.00E-03	NA	NA	5.00E-03	**5.00E-03**	Appendix III	1.58E+00	2.86E-03	2.86E-03	**2.86E-03**	Carcinogenic Effects
Total Xylenes	1330207	1.00E+01	NA	NA	1.00E+01	**1.00E+01**	Appendix III	2.88E-01	NA	2.88E-01	**2.88E-01**	Non-carcinogenic Effects
o-Xylene	95476	NA	NA	5.00E-03	5.00E-03	**5.00E-03**	PQL	1.86E+00	NA	1.86E+00	**1.86E+00**	Non-carcinogenic Effects
4-chlorotoluene	106434	NA	NA	5.00E-03	5.00E-03	**5.00E-03**	PQL	7.15E+00	NA	7.15E+00	**7.15E+00**	Non-carcinogenic Effects

Notes:

RRS = Risk Reduction Standard
Bold = Concentration ≥Type 4 RRS
* = Not a naturally-occurring compound. Background concentration assumed to be zero so NA (Not Applicable) used.
** = Not listed on Table 1 of Appendix III, HSRA
***= Same as Type 1 RRS

TABLE 3A
HSRA TYPE 3 and 4 RISK REDUCTION STANDARDS FOR SOIL - Revised November 2010
Calculation of Soil-to-Air Volatilization Factor - (VF) - Appendix III, Table 3, GA 391-3-19
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
Per GA HSRA 391-3-19-.07(8)(d)

VF - Soil to Air Volatilization Equation from Table 3 - HSRA

Chemical of Concern	CAS No.	D_{ia} (cm^2/sec) Lookup	ref.	E (unitless) Default 0.35	D_{ei} (cm^2/sec) Calculated	p_s (unitless) Default 2.65	H atm-m3/mol Lookup	ref.	K_{oc} (cm^3/g) Lookup	ref.	f_{oc} (unitless) Default 0.002	K_d (cm^3/g) Calculated	K_{as} (g soil/cm^3 air) Calculated	α (cm^2/sec) Calculated	Mixing Geometry Constant (LSxVxDH)/A ((m3/sec)/cm2) Calculated	Soil to Air Volatization VF (m^3/kg) Calculated (Table 3-HSRA) RAGS B Eq. 8
1,1,1-TCA	71556	6.50E-02		0.35	4.60E-02	2.65	1.72E-02		4.39E+01		0.02	8.78E-01	8.034E-01	6.45E-03	9.97537E-06	1.5436E+03
1,1-DCA	75343	8.40E-02		0.35	5.94E-02	2.65	5.62E-03		3.18E+01		0.02	6.36E-01	3.621E-01	4.07E-03	9.97537E-06	2.1054E+03
1,1,2-TCA	79005	6.70E-02		0.35	4.74E-02	2.65	8.24E-04		6.07E+01		0.02	1.21E+00	2.783E-02	2.66E-04	9.97537E-06	8.7859E+03
TCE	79016	6.90E-02		0.35	4.88E-02	2.65	9.85E-03		6.07E+01		0.02	1.21E+00	3.327E-01	3.09E-03	9.97537E-06	2.4303E+03
1,1-DCE	75354	8.60E-02		0.35	6.08E-02	2.65	2.61E-02		3.18E+01		0.02	6.36E-01	1.681E+00	1.55E-02	9.97537E-06	8.6372E+02
cis-1,2-DCE	156592	8.80E-02		0.35	6.22E-02	2.65	4.08E-03		3.96E+01		0.02	7.92E-01	2.112E-01	2.56E-03	9.97537E-06	2.7325E+03
trans 1,2 -DCE	156605	8.76E-02		0.35	6.20E-02	2.65	4.08E-03		3.96E+01		0.02	7.92E-01	2.112E-01	2.55E-03	9.97537E-06	2.7388E+03
1,4-Dioxane	123911	8.73E-02		0.35	6.17E-02	2.65	4.80E-06		2.63E+00		0.02	5.27E-02	3.737E-03	4.68E-05	9.97537E-06	2.1055E+04
Vinyl Chloride	75014	1.10E-01		0.35	7.78E-02	2.65	2.78E-02		2.17E+01		0.02	4.35E-01	2.623E+00	2.70E-02	9.97537E-06	5.7210E+02
Carbon Tetrachloride	56235	7.80E-02		0.35	5.52E-02	2.65	2.76E-02		4.39E+01		0.02	8.78E-01	1.289E+00	1.14E-02	9.97537E-06	1.0680E+03
Chloroform	67663	1.04E-01		0.35	7.35E-02	2.65	3.67E-03		3.18E+01		0.02	6.36E-01	2.364E-01	3.37E-03	9.97537E-06	2.3699E+03
Acetone	67641	1.24E-01		0.35	8.77E-02	2.65	3.50E-05		2.36E+00		0.02	4.73E-02	3.035E-02	5.37E-04	9.97537E-06	6.1824E+03
2-Butanone	78933	9.10E-02		0.35	6.44E-02	2.65	2.30E-03		4.51E+00		0.02	9.02E-02	1.045E+00	1.13E-02	9.97537E-06	1.1202E+03
Bromodichlormethane	75274	2.98E-02		0.35	2.11E-02	2.65	2.12E-03		3.28E+01		0.02	6.56E-01	1.324E-01	5.52E-04	9.97537E-06	5.9765E+03
MTBE	1634044	7.50E-02		0.35	5.30E-02	2.65	5.87E-04		1.16E+01		0.02	2.31E-01	1.041E-01	1.10E-03	9.97537E-06	4.2609E+03
Naphthalene	91203	6.00E-02		0.35	4.24E-02	2.65	4.40E-04		1.54E+03		0.02	3.09E+01	5.842E-04	5.04E-06	9.97537E-06	6.4256E+04
1,2-Dichloroethane	107062	8.60E-02		0.35	6.08E-02	2.65	1.18E-03		3.96E+01		0.02	7.92E-01	6.109E-02	7.46E-04	9.97537E-06	5.2167E+03
Total Xylenes	1330207	8.50E-02		0.35	6.01E-02	2.65	5.18E-03		3.83E+02		0.02	7.66E+00	2.773E-02	3.37E-04	9.97537E-06	7.8138E+03
o-Xylene	95476	6.90E-02		0.35	4.88E-02	2.65	5.18E-03		3.83E+02		0.02	7.66E+00	2.773E-02	2.73E-04	9.97537E-06	8.6726E+03
4-chlorotoluene	106434	6.30E-02		0.35	4.46E-02	2.65	4.38E-03		3.75E+02		0.02	7.51E+00	2.392E-02	2.16E-04	9.97537E-06	9.7756E+03

Notes:
D_{ia}, H and K_{oc} input values acquired from EPA Regional Screening Levels Table (May 2010).
E total soil porosity (unitless) - default value from Table 3, GA 391-1-19
D_{ei} - effective diffusivity (cm^2/sec) - calculated as D_{ia} x E power 0.33
p_s - density of soil solids (g/cm3) - default from Table 3, GA 391-1-19
K_d - soil-water partition coefficient (cm^3/g) - calculated as K_{oc} x F_{oc}
K_{as} - soil-air partition coefficient - Calculated as H/K_d
α - Chemical-specific Diffusion Constant calculated from diffusivity values and soil porosity and density
Mixing Constant - "Site Specific" Mixing Geometry" Constant based on a box model mixing zone and default parameters -
VF - Soil-to-Air Volatilization Factor - calculated per Appendix III, Table 3, GA 391-3-19 - See Equation list in this Appendix

Terms and Units From EPA SSL and RAGS B and HSRA Appendix III, Table 3

molecular diffusivity	D_{ia}	cw^2/s	chemical specific	Look up - EPA Regional Screening Levels Chemical Parameters Supporting Table (May 2010)
total soil porosity	E		0.35	
effective diffusivity	D_{ei}	cm^2/s	calculated	D_{ia} x E Power 0.33
density of soil solids	P_s	g/cm^3	2.65	
Henry's Law Constant	H	atm-m3/mol	chemical specific	Look up - EPA Regional Screening Levels Chemical Parameters Supporting Table (May 2010)
Organic Carbon partition	K_{oc}	cm^3/g	chemical specific	Look up - EPA Regional Screening Levels Chemical Parameters Supporting Table (May 2010)
soil organic carbon content	f_{oc}		0.02	Appendix III, Table 3, GA 391-3-19
soil-water partition	K_d	cm^3/g	chemical specific	Look up - calculate (Koc x foc)
soil/air partition coefficient	K_{as}	ı soil/cm^3 a	calculated	(H/K_d) x 41
α		cw^2/s	calculated	$(D_{ei} \times E)/(E+((\rho_s)(1-E))/K_{as})$
length of side of contam. area	LS	meters	45	
wind speed-mixing zone	V	m/s	2.25	
diffusion height	DH	meters	2	
area of contamination	A	cm^2	20300000	
pi	B		3.14	
exposure interval	T	sec	7.9E+08	
volatization factor	VF			

TABLE 3B
HSRA TYPE 3 and 4 RISK REDUCTION STANDARDS FOR SOIL - Revised November 2010
Calculation of Cancer and Non-Cancer Soil Concentrations -RAGS B Eq. 6 and 7
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
Per GA HSRA 391-3-19-.07(8)(d)

					Non-Cancinogenic Calculations					Carcinogenic Calculations				
					Chronic Ref. Doses (mg/kg-day)		Calculated Terms for RAGS B Equation 7					Cancer Slope Factors (mg/kg-day^{-1})		
	CAS	Volatilization Factor VF (Table 3A)	1/VF Calculation Term	1/PEF Calculation Term	Oral RfD_o	Inhalation RfD_i	$1/RfD_o$	$1/RfD_i$	Non-Cancer Based EPA RAGS B Equation 7	Class	Target Haz Risk	Oral SF_o	Inhalation SF_i	Cancer Based EPA RAGS B Equation 6
Chemical of Concern	No.	(m^3/kg)	(1/(m^3/kg))	(1/(m^3/kg))	Table 2-D		1/(mg/kg-day)		(mg/kg)	Table 2D		Table 2-D		(mg/kg)
1,1,1-TCA	71556	1.54E+03	6.48E-04	2.16E-10	2.00E+00	1.43E+00	5.00E-01	7.00E-01	1.12E+04	D	NA	NV	NV	NC
1,1-DCA	75343	2.11E+03	4.75E-04	2.16E-10	2.00E-01	NV	5.00E+00	NA	4.09E+05	C	1.00E-04	5.70E-03	5.60E-03	5.35E+02
1,1,2-TCA	79005	8.79E+03	1.14E-04	2.16E-10	4.00E-03	NV	2.50E+02	NA	8.18E+03	C	1.00E-04	5.70E-02	5.60E-02	2.20E+02
TCE	79016	2.43E+03	4.11E-04	2.16E-10	NV	NV	NA	NA	NC	A	1.00E-05	5.90E-03	7.00E-03	4.94E+01
1,1-DCE	75354	8.64E+02	1.16E-03	2.16E-10	5.00E-02	5.71E-02	2.00E+01	1.75E+01	2.52E+02	C	1.00E-04	NV	NV	NC
cis-1,2-DCE	156592	2.73E+03	3.66E-04	2.16E-10	1.00E-02	NV	1.00E+02	NA	2.04E+04	D	NA	NV	NV	NC
trans 1,2 -DCE	156605	2.74E+03	3.65E-04	2.16E-10	2.00E-02	1.71E-02	5.00E+01	5.83E+01	2.39E+02	NA	NA	NV	NV	NC
1,4-Dioxane	123911	2.11E+04	4.75E-05	2.16E-10	3.00E-02	1.03E+00	3.33E+01	9.72E-01	3.95E+04	B2	1.00E-05	1.00E-01	2.70E-02	9.35E+01
Vinyl Chloride	75014	5.72E+02	1.75E-03	2.16E-10	3.00E-03	2.86E-02	3.33E+02	3.50E+01	8.24E+01	A	1.00E-05	7.20E-01	1.54E-02	4.98E+00
Carbon Tetrachloride	56235	1.07E+03	9.36E-04	2.16E-10	4.00E-03	1.00E-01	2.50E+02	1.00E+01	5.12E+02	B2	1.00E-05	1.30E-01	2.10E-02	7.16E+00
Chloroform	67663	2.37E+03	4.22E-04	2.16E-10	1.00E-02	2.80E-02	1.00E+02	3.57E+01	3.34E+02	B2	1.00E-05	3.10E-02	8.05E-02	4.20E+00
Acetone	67641	6.18E+03	1.62E-04	2.16E-10	9.00E-01	8.86E+00	1.11E+00	1.13E-01	2.43E+05	NA	NA	NV	NV	NC
2-Butanone	78933	1.12E+03	8.93E-04	2.16E-10	6.00E-01	1.43E+00	1.67E+00	7.00E-01	8.12E+03	NA	NA	NV	NV	NC
Bromodichlormethane	75274	5.98E+03	1.67E-04	2.16E-10	2.00E-02	NV	5.00E+01	NA	4.09E+04	B2	1.00E-05	6.20E-02	1.30E-01	6.56E+00
MTBE	1634044	4.26E+03	2.35E-04	2.16E-10	NV	8.57E-01	NA	1.17E+00	1.87E+04	NA	NA	1.80E-03	9.10E-04	0.00E+00
Naphthalene	91203	6.43E+04	1.56E-05	2.16E-10	3.40E-05	8.57E-04	2.94E+04	1.17E+03	5.57E+01	C	1.00E-04	NV	1.19E-01	7.73E+02
1,2-Dichloroethane	107062	5.22E+03	1.92E-04	2.16E-10	2.00E-02	6.86E-01	5.00E+01	1.46E+00	1.26E+04	B2	1.00E-05	9.10E-02	9.10E-02	8.10E+00
Total Xylenes	1330207	7.81E+03	1.28E-04	2.16E-10	2.00E-01	2.86E-02	5.00E+00	3.50E+01	1.14E+03	NA	NA	NV	NV	NC
o-Xylene	95476	8.67E+03	1.15E-04	2.16E-10	2.00E-01	2.00E-01	5.00E+00	5.00E+00	8.68E+03	NA	NA	NV	NV	NC
4-chlorotoluene	106434	9.78E+03	1.02E-04	2.16E-10	7.00E-02	NV	1.43E+01	NA	1.43E+05	NA	NA	NV	NV	NC

Non-cancer Based Soil Concentrations Calculated per Equation 7 of RAGS B. See Equation list in this Appendix
Cancer Based Soil Concentrations Calculated per Equation 6 of RAGS B. See Equation list in this Appendix

Terms and units EPA RAGS B Equations, HSRA Appendix III, Table 3 Default Values

Chemical Concentration	C	mg/l	***		
Target Hazard Index	THI	unitless	1.00E+00		
Target Risk	TR	unitless	1.00E-05	or	1.00E-04
Oral Reference Dose	RfD_o	mg/kg-Day	chemical specific		
Inhalation Reference Dose	RfD_i	mg/kg-Day	chemical specific		
Oral Slope Factor	Sf_o	mg/kg-Day^{-1}	chemical specific		
Inhalation Slope Factor	Sf_i	mg/kg-Day^{-1}	chemical specific		
Adult Body Weight	BW	kg	70		
Averaging Time (nc)	ATnc	yr	25		
Averaging Time (c)	ATc	yr	70		
Exposure Freq.	EF	Days/yr	250		Non-Residential
Exposure Duration	ED	years	25		Non-Residential
Intake Rate - Air	IR_a	m^3/Day	20		Non-Residential
Intake Rate - Soil	IR_{soil}	mg/day	50		Non-Residential
Soil-air Volatilization Factor	VF	m^3/Day	calculated - chemical specific		
Particle Emission Factor	PEF	m^3/Day	4.63E+09		Default

TABLE 3D
HSRA TYPE 4 RISK REDUCTION STANDARDS FOR SOIL - Revised November 2010
Calculation of Soil Screening Level - Eq. 22
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
Per GA HSRA 391-3-19-.07(9)(d)

		Soil Screening - EPA 1996 Guidance - Equation 10													
Chemical of Concern	CAS No.	CW Criterion (9)(d)1 GW Standard Table 2B (mg/L) Health Based	K_{oc} (cm^3/g) Lookup	ref.	foc default (unitless) 0.002	ref.	Kd Koc x foc or lookup (cm3/g)	ref.	θ_w default (unitless) 0.3	θ_a n-θ_w (unitless) 1.34E-01	ρ_b default (kg/L) 1.5	n 1-(ρb/ρs) (unitless) 4.34E-01	ρ_s (unitless) Default 2.65	H Look-up (dimensionless)	ref.	Calculated SSL EPA SSL Eq. 22 Criteria (9)(d)1 for soil (mg/kg)
1,1,1-TCA	71556	1.36E+01	4.39E+01		0.02		8.78E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	7.00E-01		1.55E+01
1,1-DCA	75343	4.00E+00	3.18E+01		0.02		6.36E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	2.30E-01		3.43E+00
1,1,2-TCA	79005	4.64E-02	6.07E+01		0.02		1.21E+00		0.3	1.34E-01	1.5	4.34E-01	2.65	3.40E-02		6.57E-02
TCE	79016	3.77E-02	6.07E+01		0.02		1.21E+00		0.3	1.34E-01	1.5	4.34E-01	2.65	4.00E-01		5.47E-02
1,1-DCE	75354	5.24E-01	3.18E+01		0.02		6.36E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	1.10E+00		4.90E-01
cis-1,2-DCE	156592	1.02E+00	3.96E+01		0.02		7.92E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	1.70E-01		1.03E+00
trans 1,2-DCE	156605	1.61E-01	3.96E+01		0.02		7.92E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	1.67E-01		1.62E-01
1,4-dioxane	123911	1.50E-01	2.63E+00		0.02		5.27E-02		0.3	1.34E-01	1.5	4.34E-01	2.65	1.96E-04		3.79E-02
Vinyl Chloride	75014	3.27E-03	2.17E+01		0.02		4.35E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	1.11E+00		2.40E-03
Carbon Tetrachloride	56235	8.42E-03	4.39E+01		0.02		8.78E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	1.10E+00		9.90E-03
Chloroform	67663	8.00E-02	3.18E+01		0.02		6.36E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	1.50E-01		6.80E-02
Acetone	67641	4.56E+01	2.36E+00		0.02		4.73E-02		0.3	1.34E-01	1.5	4.34E-01	2.65	1.59E-03		1.13E+01
2-Butanone	78933	1.18E+01	4.51E+00		0.02		9.02E-02		0.3	1.34E-01	1.5	4.34E-01	2.65	2.30E-03		NC
Bromodichlormethane	75274	8.00E-02	3.28E+01		0.02		6.56E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	8.70E-02		6.91E-02
MTBE	1634044	8.76E+00	1.16E+01		0.02		2.31E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	2.40E-02		NC
Naphthalene	91203	2.00E-02	1.54E+03		0.02		3.09E+01		0.3	1.34E-01	1.5	4.34E-01	2.65	1.80E-02		6.22E-01
1,2-Dichloroethane	107062	5.00E-03	3.96E+01		0.02		7.92E-01		0.3	1.34E-01	1.5	4.34E-01	2.65	4.80E-02		4.98E-03
Total Xylenes	1330207	1.00E+01	3.83E+02		0.02		7.66E+00		0.3	1.34E-01	1.5	4.34E-01	2.65	2.10E-01		NC
o-Xylene	95476	1.86E+00	3.83E+02		0.02		7.66E+00		0.3	1.34E-01	1.5	4.34E-01	2.65	2.10E-01		1.46E+01
4-chlorotoluene	106434	7.15E+00	3.75E+02		0.02		7.51E+00		0.3	1.34E-01	1.5	4.34E-01	2.65	1.80E-01		NC

Notes:
Kd metals - Table C-4 EPA Soil Screening Doc. (at pH 6.8)
Organic Carbon Partition and H (Henry's Law Constant) are from EPA Regional Screening Levels Chemical-specific Paramaters Supporting Table (May 2010)
Lead k(d) - EPA SSL Doc assumes 400 mg/kg soil at neutral pH
SSL Calculations - See Equation list in this Appendix

Parameters and Values - Equations 22, EPA Soil Screening Guidance, July 1995.

CW	Target soil leachate concentration (highest of Type 3 and 4 GW RRS calculated for Criteria (9)(d)1. (mg/L)
Koc	Soil-water partition coefficient - from Tables in EPA Regional Screening Levels Chemical-specific Parameters Supporting Table
Kd	Soil organic carbon-water partition coefficient (l/kg)
foc	Fraction organic carbon in soil (g/g) - 0.02 (2%) default in guidance (0.02 per HSRA Table 3)
θw	water-filled soil porosity - 0.3 default in guidance
θa	air-filled soil porosity (n-θw)
ρb	dry soil bulk density (default of 1.5) (kg/L)
n	soil porosity (1-(ρb/ρs)
ρs	soil particle density (default 2.65 kg/L)
H	Henry's Law constant from Tables in EPA Regional Screening Level Chemical-Specific Supporting Table
I	Infiltration Rate (m/yr) (default 0.18)
d(s)	Depth of Source (based on site data)
ED	Exposure duration (years) (default 70 years)

TABLE 3E
HSRA TYPE 4 RISK REDUCTION STANDARDS FOR SOIL - Revised November 2010
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
Per GA HSRA 391-3-19-.07(9)(d)

		Non-Calculable COC Criteria				HSRA Criteria (9)(d)1 All Soil						Item 2: Surface Soil					
				PQL		Criteria (9)(d)1.						RAGS B					
Chemical of Concern	CAS No.	Appendix I, HSRA NC (mg/kg)	Background Concentration (mg/kg)*	Method 8260B (mg/kg)	Highest Concentration for Non-Calculable COC Criteria	Type 3 GW Criteria (Table 2B) mg/L	Type 4 GW Criteria (Table 2B) mg/L	Highest of Type 3 and Type 4 GW Criteria mg/L	Soil Concentration (All Soil) to Achieve GW Criteria (cal. - EPA SSL) Eq. 22 SSL (mg/kg)	Type 4 RRS All Soils (mg/kg)	Reasoning	Non-Carcinogenic Equation 7 (mg/kg)	Carcinoginic Equation 6 (mg/kg)	GA Adult Lead Model Concentration (mg/kg)	Lowest of RAGS B Eq. 6 and 7 and Lead Model (9)(d)(2)(i,ii,and iii) (mg/kg)	Type 4 RRS Surface Soils (0 2 ft) (mg/kg)	Reasoning
1,1,1-TCA	71556	5.44E+00	NA	NA	5.44E+00	2.00E-01	1.36E+01	1.36E+01	1.55E+01	1.55E+01	Leaching	2.37E+03	NC	NA	2.37E+03	1.55E+01	Leaching
1,1-DCA	75343	3.00E-02	NA	NA	3.00E-02	4.00E+00	4.64E-01	4.00E+00	3.43E+00	3.43E+00	Leaching	4.09E+05	5.35E+02	NA	5.35E+02	3.43E+00	Leaching
1,1,2-TCA	79005	5.00E-01	NA	NA	5.00E-01	5.00E-03	4.64E-02	4.64E-02	6.57E-02	6.57E-02	Leaching	8.18E+03	2.20E+02	NA	2.20E+02	6.57E-02	Leaching
TCE	79016	1.30E-01	NA	NA	1.30E-01	5.00E-03	3.77E-02	3.77E-02	5.47E-02	5.47E-02	Leaching	NC	4.94E+01	NA	4.94E+01	5.47E-02	Leaching
1,1-DCE	75354	3.60E-01	NA	NA	3.60E-01	7.00E-03	5.24E-01	5.24E-01	4.90E-01	4.90E-01	Leaching	2.52E+02	NC	NA	2.52E+02	4.90E-01	Leaching
cis-1,2-DCE	156592	5.30E-01	NA	NA	5.30E-01	7.00E-02	1.02E+00	1.02E+00	1.03E+00	1.03E+00	Leaching	2.04E+04	NC	NA	2.04E+04	1.03E+00	Leaching
trans 1,2-DCE	156605	5.30E-01	NA	NA	5.30E-01	1.00E-01	1.61E-01	1.61E-01	1.62E-01	5.30E-01	Appendix III	2.04E+04	NC	NA	2.04E+04	5.30E-01	Appendix III
1,4-dioxane	123911	3.00E-02	NA	NA	3.00E-02	1.50E-01	7.74E-03	1.50E-01	3.79E-02	3.00E-02	Appendix III	2.04E+04	NC	NA	2.04E+04	3.00E-02	Appendix III
Vinyl Chloride	75014	4.00E-02	NA	NA	4.00E-02	2.00E-03	3.27E-03	3.27E-03	2.40E-03	2.40E-03	Leaching	8.24E+01	4.98E+00	NA	4.98E+00	2.40E-03	Leaching
Carbon Tetrachloride	56235	1.70E-01	NA	NA	1.70E-01	5.00E-03	8.42E-03	8.42E-03	9.90E-03	9.90E-03	Leaching	5.12E+02	7.16E+00	NA	7.16E+00	9.90E-03	Leaching
Chloroform	67663	6.80E-01	NA	NA	6.80E-01	8.00E-02	3.42E-03	8.00E-02	6.80E-02	6.80E-02	Leaching	3.34E+02	4.20E+00	NA	4.20E+00	6.80E-02	Leaching
Acetone	67641	2.74E+00	NA	NA	2.74E+00	4.00E+00	4.56E+01	4.56E+01	1.13E+01	1.13E+01	Leaching	2.43E+05	NC	NA	2.43E+05	1.13E+01	Leaching
2-Butanone	78933	7.90E-01	NA	NA	7.90E-01	2.00E+00	1.18E+01	1.18E+01	NC	7.90E-01	Appendix I	8.12E+03	NC	NA	8.12E+03	7.90E-01	Appendix I
Bromodichlormethane	75274	1.18E+00	NA	NA	1.18E+00	8.00E-02	2.11E-03	8.00E-02	6.91E-02	6.91E-02	Leaching	4.09E+04	6.56E+00	NA	6.56E+00	6.91E-02	Leaching
MTBE	1634044	NA	NA	5.00E-03	5.00E-03	5.00E-03	8.76E+00	8.76E+00	NC	5.00E-03	PQL	1.87E+04	0.00E+00	NA	NA	5.00E-03	PQL
Naphthalene	91203	1.00E+02	NA	NA	1.00E+02	2.00E-02	2.00E-02	2.00E-02	6.22E-01	6.22E-01	Leaching	5.57E+01	7.73E+02	NA	5.57E+01	6.22E-01	Leaching
1,2-Dichloroethane	107062	2.00E-02	NA	NA	2.00E-02	5.00E-03	2.86E-03	5.00E-03	4.98E-03	2.00E-02	Appendix III	1.26E+04	8.10E+00	NA	8.10E+00	2.00E-02	Appendix III
Total Xylenes	1330207	2.00E+01	NA	NA	2.00E+01	1.00E+01	2.88E-01	1.00E+01	NC	2.00E+01	Appendix III	1.14E+03	NC	NA	1.14E+03	2.00E+01	Appendix III
o-Xylene	95476	2.00E+01	NA	NA	2.00E+01	5.00E-03	1.86E+00	1.86E+00	1.46E+01	2.00E+01	Appendix III	8.68E+03	NC	NA	8.68E+03	2.00E+01	Appendix III
4-chlorotoluene	106434	NA	NA	5.00E-03	5.00E-03	5.00E-03	7.15E+00	7.15E+00	NC	5.00E-03	PQL	1.43E+05	NC	NA	1.43E+05	5.00E-03	PQL

Notes:

See Notes for Table 3A.

TABLE 4
HSRA TYPE 3 and 4 RISK REDUCTION STANDARDS FOR GROUNDWATER and SOIL- Revised November 2010
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
per GA HSRA 391-3-19-.07(8) and (9)

Analyte	TYPE 3			TYPE 4			Risk Reduction Standards-Maximum of Type 3 and 4					
	GW Criteria (Table 2B) mg/L	Soil Criteria (Table 3C) mg/kg		GW Criteria (Table 2B) mg/L	Soil Criteria (Table 3E) mg/kg		2010 GW RRS's	Type of RRS	2010 Soil RRS's	Type of RRS	2010 Soil RRS's	Type of RRS
		Deep (All)	Surface		Deep (All)	Surface			Deep (All)		Surface	
1,1,1-TCA	2.00E-01	2.00E+01	2.00E+01	1.36E+01	1.55E+01	1.55E+01	1.36E+01	4	2.00E+01	3	2.00E+01	3
1,1-DCA	4.00E+00	4.00E+02	4.00E+02	4.64E-01	3.43E+00	3.43E+00	4.00E+00	3	4.00E+02	3	4.00E+02	3
1,1,2-TCA	5.00E-03	5.00E-01	5.00E-01	4.64E-02	6.57E-02	6.57E-02	4.64E-02	4	5.00E-01	3	5.00E-01	3
TCE	5.00E-03	5.00E-01	5.00E-01	3.77E-02	5.47E-02	5.47E-02	3.77E-02	4	5.00E-01	3	5.00E-01	3
1,1-DCE	7.00E-03	7.00E-01	7.00E-01	5.24E-01	4.90E-01	4.90E-01	5.24E-01	4	7.00E-01	3	7.00E-01	3
cis-1,2-DCE	7.00E-02	7.00E+00	7.00E+00	1.02E+00	1.03E+00	1.03E+00	1.02E+00	4	7.00E+00	3	7.00E+00	3
trans 1,2-DCE	1.00E-01	1.00E+01	1.00E+01	1.61E-01	5.30E-01	5.30E-01	1.61E-01	4	1.00E+01	3	1.00E+01	3
1,4-dioxane	1.50E-01	1.50E+01	1.50E+01	7.74E-03	3.00E-02	3.00E-02	1.50E-01	3	1.50E+01	3	1.50E+01	3
Vinyl Chloride	2.00E-03	2.00E-01	2.00E-01	3.27E-03	2.40E-03	2.40E-03	3.27E-03	4	2.00E-01	3	2.00E-01	3
Carbon Tetrachloride	5.00E-03	5.00E-01	5.00E-01	8.42E-03	9.90E-03	9.90E-03	8.42E-03	4	5.00E-01	3	5.00E-01	3
Chloroform	8.00E-02	8.00E+00	4.20E+00	3.42E-03	6.80E-02	6.80E-02	8.00E-02	3	8.00E+00	3	4.20E+00	3
Acetone	4.00E+00	4.00E+02	4.00E+02	4.56E+01	1.13E+01	1.13E+01	4.56E+01	4	4.00E+02	3	4.00E+02	3
2-Butanone	2.00E+00	2.00E+02	2.00E+02	1.18E+01	7.90E-01	7.90E-01	1.18E+01	4	2.00E+02	3	2.00E+02	3
Bromodichlormethane	8.00E-02	8.00E+00	6.56E+00	2.11E-03	6.91E-02	6.91E-02	8.00E-02	3	8.00E+00	3	6.56E+00	3
MTBE	5.00E-03	5.00E-01	0.00E+00	8.76E+00	5.00E-03	5.00E-03	8.76E+00	4	5.00E-01	3	5.00E-03	4
Naphthalene	2.00E-02	1.00E+02	5.57E+01	2.00E-02	6.22E-01	6.22E-01	2.00E-02	3	1.00E+02	3	5.57E+01	3
1,2-Dichloroethane	5.00E-03	5.00E-01	5.00E-01	2.86E-03	2.00E-02	2.00E-02	5.00E-03	3	5.00E-01	3	5.00E-01	3
Total Xylenes	1.00E+01	1.00E+03	1.00E+03	2.88E-01	2.00E+01	2.00E+01	1.00E+01	3	1.00E+03	3	1.00E+03	3
o-Xylene	5.00E-03	2.00E+01	2.00E+01	1.86E+00	2.00E+01	2.00E+01	1.86E+00	4	2.00E+01	3	2.00E+01	3
4-chlorotoluene	5.00E-03	5.00E-01	5.00E-01	7.15E+00	5.00E-03	5.00E-03	7.15E+00	4	5.00E-01	3	5.00E-01	3

TABLE 3C
HSRA TYPE 3 RISK REDUCTION STANDARDS FOR SOIL - Revised November 2010
Georgia Department of Transportation-District Office
204 North Highway 301, Jesup, Wayne County, Georgia
Per GA HSRA 391-3-19-.07(8)(d)

Chemical of Concern	CAS No.	All Soil Criteria: Item 1 of Rule 391-3-19-.07(8)(d)1							All Soil Type 3 RRS- Highest Concentration from Items 1 through 3	Reasoning	Surface Soil Criteria (0-2 ft below ground surface): Item 1 of Rule 391-3-19-.07(8)(d) 2					Type 3 RRS for Surface Soil (Lower of All Soil Criteria and Surface Soil Criteria (i)-(iii)	Reasoning
		Type 1 ((I) Item 1 of Rule 391-3-19-.07(6) (c)**)				Highest of (i)-(iii)	Item 2: Table 2, Appendix III, HSRA (mg/kg)	Item 3: Lead ≤400 mg/kg			Type 3 RRS for All Soil	(i): Non-Carcinogenic Effects Equation 7, RAGS Part B - from attached Table 3B (mg/kg)	(ii): Carcinogenic Effects Equation 6, RAGS Part B - from attached Table 3B (mg/kg)	(iii) Lead <400 mg/kg	Lowest Value from Items (i)-(iii) (mg/kg)		
		(i)	(ii)		(iii)												
		Appendix I, HSRA NC (mg/kg)*	Type 1/Type 3 GW RRS - from attached Table 2B (mg/L)	100 X Type 1 GW RRS (mg/L)	TCLP Concentration if less than Type I GW Criteria (mg/L)												
1,1,1-TCA	71556	5.44E+00	2.00E-01	2.00E+01	NA	2.00E+01	NA	NA	2.00E+01	100 x Type I GW RRS	2.00E+01	1.12E+04	NC	NA	1.12E+04	2.00E+01	100 x Type I GW RRS
1,1-DCA	75343	3.00E-02	4.00E+00	4.00E+02	NA	4.00E+02	NA	NA	4.00E+02	100 x Type I GW RRS	4.00E+02	4.09E+05	5.35E+02	NA	5.35E+02	4.00E+02	100 x Type I GW RRS
1,1,2-TCA	79005	5.00E-01	5.00E-03	5.00E-01	NA	5.00E-01	NA	NA	5.00E-01	100 x Type I GW RRS / Appendix I	5.00E-01	8.18E+03	2.20E+02	NA	2.20E+02	5.00E-01	100 x Type I GW RRS / Appendix I
TCE	79016	1.30E-01	5.00E-03	5.00E-01	NA	5.00E-01	NA	NA	5.00E-01	100 x Type I GW RRS	5.00E-01	NC	4.94E+01	NA	4.94E+01	5.00E-01	100 x Type I GW RRS
1,1-DCE	75354	3.60E-01	7.00E-03	7.00E-01	NA	7.00E-01	NA	NA	7.00E-01	100 x Type I GW RRS	7.00E-01	2.52E+02	NC	NA	2.52E+02	7.00E-01	100 x Type I GW RRS
cis-1,2-DCE	156592	5.30E-01	7.00E-02	7.00E+00	NA	7.00E+00	NA	NA	7.00E+00	100 x Type I GW RRS	7.00E+00	2.04E+04	NC	NA	2.04E+04	7.00E+00	100 x Type I GW RRS
trans 1,2-DCE	156605	5.30E-01	1.00E-01	1.00E+01	NA	1.00E+01	NA	NA	1.00E+01	100 x Type I GW RRS	1.00E+01	2.39E+02	NC	NA	2.39E+02	1.00E+01	100 x Type I GW RRS
1,4-dioxane	123911	3.00E-02	1.50E-01	1.50E+01	NA	1.50E+01	NA	NA	1.50E+01	100 x Type I GW RRS	1.50E+01	3.95E+04	9.35E+01	NA	9.35E+01	1.50E+01	100 x Type I GW RRS
Vinyl Chloride	75014	4.00E-02	2.00E-03	2.00E-01	NA	2.00E-01	NA	NA	2.00E-01	100 x Type I GW RRS	2.00E-01	8.24E+01	4.96E+00	NA	4.96E+00	2.00E-01	100 x Type I GW RRS
Carbon Tetrachloride	56235	1.70E-01	5.00E-03	5.00E-01	NA	5.00E-01	NA	NA	5.00E-01	100 x Type I GW RRS	5.00E-01	5.12E+02	7.16E+00	NA	7.16E+00	5.00E-01	100 x Type I GW RRS
Chloroform	67663	6.80E-01	8.00E-02	8.00E+00	NA	8.00E+00	NA	NA	8.00E+00	100 x Type I GW RRS	8.00E+00	3.34E+02	4.20E+00	NA	4.20E+00	4.20E+00	Health-Based Risk
Acetone	67641	2.74E+00	4.00E+00	4.00E+02	NA	4.00E+02	NA	NA	4.00E+02	100 x Type I GW RRS	4.00E+02	2.43E+05	NC	NA	2.43E+05	4.00E+02	100 x Type I GW RRS
2-Butanone	78933	7.90E-01	2.00E+00	2.00E+02	NA	2.00E+02	NA	NA	2.00E+02	100 x Type I GW RRS	2.00E+02	8.12E+03	NC	NA	8.12E+03	2.00E+02	100 x Type I GW RRS
Bromodichlormethane	75274	1.18E+00	8.00E-02	8.00E+00	NA	8.00E+00	NA	NA	8.00E+00	Appendix I	8.00E+00	4.09E+04	6.56E+00	NA	6.56E+00	6.56E+00	Health-Based Risk
MTBE	1634044	NA	5.00E-03	5.00E-01	NA	5.00E-01	NA	NA	5.00E-01	100 x Type I GW RRS	5.00E-01	1.87E+04	0.00E+00	NA	0.00E+00	0.00E+00	Health-Based Risk
Naphthalene	91203	1.00E+02	2.00E-02	2.00E+00	NA	1.00E+02	NA	NA	1.00E+02	Appendix I	1.00E+02	5.57E+01	7.73E+02	NA	5.57E+01	5.57E+01	Health-Based Risk
1,2-Dichloroethane	107062	2.00E-02	5.00E-03	5.00E-01	NA	5.00E-01	NA	NA	5.00E-01	100 x Type I GW RRS	5.00E-01	1.26E+04	8.10E+00	NA	8.10E+00	5.00E-01	100 x Type I GW RRS
Total Xylenes	1330207	2.00E+01	1.00E+01	1.00E+03	NA	1.00E+03	NA	NA	1.00E+03	100 x Type I GW RRS	1.00E+03	1.14E+03	NC	NA	1.14E+03	1.00E+03	100 x Type I GW RRS
o-Xylene	95476	2.00E+01	5.00E-03	5.00E-01	NA	2.00E+01	NA	NA	2.00E+01	100 x Type I GW RRS	2.00E+01	8.68E+03	NC	NA	8.68E+03	2.00E+01	100 x Type I GW RRS
4-chlorotoluene	106434	NA	5.00E-03	5.00E-01	NA	5.00E-01	NA	NA	5.00E-01	100 x Type I GW RRS	5.00E-01	1.43E+05	NC	NA	1.43E+05	5.00E-01	100 x Type I GW RRS

RRS = Risk Reduction Standard
N.O.S. = Not otherwise specified
Bold = Concentration ≥Type 3 RRS
* = Values given in square brackets in Appendix I of the Rules are excluded from listing in this column.
** = For substances with NC values in brackets in Appendix I of the Rules and not listed in Table 1, Appendix III of the Rules, a value for item 1 is non-calculable.
*** = No NC listed; NC for DCE N.O.S. shown.

Georgia Department of Natural Resources

2 Martin Luther King, Jr. Dr., S.E., Suite 1462 East, Atlanta, Georgia 30334
Mark Williams, Commissioner
Environmental Protection Division
F. Allen Barnes, Director
Land Protection Branch
Mark Smith, Branch Chief

Reply To:
Response and Remediation Program
2 Martin Luther King, Jr. Drive, S.E.
Suite 1462, East Tower
Atlanta, Georgia 30334-9000
Office 404/657-8600 Fax 404-657-0807

December 27, 2010

Georgia Department of Transportation
c/o Mr. Thomas Scruggs
15 Kennedy Drive
Forest Park, GA 30297

Re: Response to Notice of Deficiencies
dated December 15, 2010
GA DOT Jesup District Office Complex (HSI #10742)
204 North Highway 301, Jesup, Wayne Co, GA
Tax Parcel ID No. 112-6

Dear Mr. Scruggs:

The Georgia Environmental Protection Division (EPD) has reviewed the Response to Notice of Deficiencies dated December 15, 2010 for the above referenced site. EPD concurs with a majority of the responses which indicate the necessary revisions will be incorporated into future documents; however, EPD requires additional responses to the following comments:

Proposed Corrective Action:

1. In response to Comment 5, S&ME recommends to conduct the proposed chemical injection prior to evaluating the installation of additional monitoring wells. EPD requires the installation of 2 sets of nested wells to the west and south/southwest of MW-32 prior to full-scale chemical injection. Sufficient groundwater sampling from these wells and associated analysis must be completed prior to full-scale chemical injection. Cross-sections and figures should be revised as appropriate.

2. The response to Comment 6, Comment 9 and the proposed schedule appear to contradict each other. Specifically, the response to Comment 6 seems to suggest that a pilot study will be conducted before full-scale implementation while the response to Comment 9 and the proposed schedule appear to indicate a full-scale chemical injection event is proposed. Please clarify whether a pilot study will be implemented and evaluated prior to full-scale chemical injection. If a pilot study is proposed, a pilot study evaluation report needs to be included in the proposed schedule.

3. EPD has reviewed the provided cross-section and has the following comments:

   a. Revise cross-section A-A' to include monitoring wells MW-3, MW-6D and MW-1B. MW-3 and MW-6D should be designated as abandoned.
   b. It appears there may be an intermediate aquifer between the defined upper aquifer and the defined middle aquifer. It appears that MW-1, MW-7A, MW2, and MW-6 are placed within the interim aquifer and are contaminated with primarily DCE. Please refer to remaining comments below and determine if a separate aquifer designation is required.
   c. Revise the single water table surface to represent water table surfaces for each aquifer (i.e. upper, middle, deep and intermediate, if appropriate) as the aquifers are

presented as being independent of each other and reported as flowing in different directions.

d. Groundwater results for MW-7 are not reported on this figure and separate isoconcentration lines are not presented for chlorinated solvents in the individual aquifers. Revise as appropriate
e. Revise the cross-section as it is also noted that a clay layer should be denoted at the bottom of MW-7D and the area denoting a clay layer separating the sandy feature around MW-3A and the sandy clay feature of MW-7D is not documented and should be replaced by "?".
f. Please include the other injection wells as offsets on the cross-section as the proposed corrective action plan indicated one injection well to be terminated at 20' while the remainder we to be terminated at 50'. However, it is noted that all of the injection wells are terminated in the middle aquifer only. (Additionally, please submit a copy of the well construction diagram for injection well I-4 as it is missing from both the hard copy report and electronic copy. Please also submit boring logs for the injection wells or revise construction diagrams to include geologic classifications.)
g. Include deep wells as appropriate.

4. In the response to Comment 7, MW-1 was included in the post-injection monitoring network; however, in the response to Comment 9, MW-1 was omitted. However, based on EPD's review of the cross-section, MW-1 is not appropriate for monitoring either the upper or middle aquifer as it is terminated in what appears to be an intermediate aquifer. Therefore, please re-evaluate the entire proposed groundwater monitoring network to determine which wells in which aquifers will be used as sentinel wells and provide a determination as to the monitoring period sufficient to demonstrate contamination outside the area of influence will reach the sentinel wells. Please note that EPD will not be able to concur that the contamination is remediated until that timeframe has passed.

5. Comment 8 stated MW-7D is the only well in the proposed monitoring network at the top of clay in the middle aquifer. The response stated there are several other wells are located at a similar depth; however, wells MW-20, MW-8A, MW-9A, MW-19A, MW12A are not included in the monitoring network and MW-3A terminates on sand at some unknown distance above the clay layer. Please also see comment 4 above regarding re-evaluation of the proposed monitoring well network.

6. In order to better understand the geology and hydrogeology in the area, EPD also recommends you consider reviewing cross-sections perpendicular to the plume centerline, for example, cross-sections from MW-11 thru MW-19 cluster, MW-3A cluster, to the MW-4 cluster; MW-21 through MW-20, MW-1 cluster, to the MW-4 cluster; and MW-10, through MW-2 cluster, MW-8 cluster, MW-15, to MW-18. This information may assist in determining the corrective action appropriate to this site.

7. The current proposal is not sufficient to demonstrate the effectiveness of a pilot study as it does not include a sufficient well network to provide a radius of influence within the timeframe provided in the schedule. Furthermore, if the proposal represents a full-scale chemical injection, it fails to address contamination in the upper and potentially intermediate aquifers.

Schedule:

8. Please submit a revised schedule to address the comments above.

Risk Reduction Standards (RRS):

9. The following risk reduction standards were approved in EPD's letter dated September 2, 2010:

Table 1
Approved Risk Reduction Standards and ISWQS (mg/L)

Regulated Substance	Soil RRS1 (mg/kg)	Groundwater RRS3 and RRS1 (mg/L)	Groundwater RRS4 (mg/L)	Surface Water ISWQS (mg/L)
TCE	5.00E-01	5.00E-03	3.77E-02	8.10E-02
111 TCA	2.00E+01	2.00E-01	1.36E+01	5.28E-01
112 TCA	5.00E-01	5.00E-03	4.64E-02	4.20E-02
11 DCE	7.00E-01	7.00E-03	5.24E-01	3.20E-03
11 DCA	**4.00E+02**	4.00E+00	4.64E-01	To be determined
Cis 12 DCE	7.00E+00	7.00E-02	1.02E+00	To be determined
Trans 12 DCE	To be determined	To be determined	To be determined	1.40E+01
12 DCA	5.00E-01	5.00E-03	2.86E-03	9.90E-02
Vinyl Chloride	2.00E-01	2.00E-03	3.27E-03	5.25E-01
14 Dioxane	To be determined	To be determined	To be determined	To be determined

However the revisions to Appendix X failed to address the items "to be determined" above (with the exception of 1,1 DCA soil Type 1 risk reduction standard of 400 mg/kg). Please submit ***only*** the requested information for 1, 4 Dioxane, trans 1,2 DCE, cis 1,2 DCE, and 1,1, DCA

While EPD could approve the proposed corrective action of in-situ chemical oxidation with sodium persulfate as an appropriate remedial remedy, the following deficiencies must be addressed to demonstrate the proposed corrective action will effectively remediate the contamination.

Please submit a response to this notice of deficiencies to this office by no later than March 18, 2011. If you have any questions, please contact me at 404-657-8600.

Sincerely,

Alexandra Y. Cleary
Program Manager
Response and Remediation Program

c: Bijan Rahbar, IUC

Appendix III – Monitoring Well Field Data Sheets

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Tesoro DOT Sampler: Rick Jetzer

Project Number: 446814-083A Date: 11-9-16 Well ID: MW20

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 26.25 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: 12.99 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 13.26 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 10.12 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 10 (gal) Date/time: 11-9-16 15:55 to _____
9. Did Well Go Dry? No
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°C)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
16:00	19.85	6.49	26.64	0.056	56.4	186	0.00
16:05	24.8	6.56	27.19	0.056	44.2	154	0.00
16:10	25.65	6.56	27.34	0.056	41.6	141	0.00
16:15	28.1	6.57	27.46	0.056	37.4	132	0.00
16:20	29.1	6.59	27.75	0.057	33.8	118	0.00
16:25	30.4	6.60	27.87	0.057	28.3	117	0.00
16:30	30.65	6.61	28.00	0.057	26.4	114	0.00
16:35	31.1	6.61	28.02	0.057	23.9	110	0.00
16:40	32.1	6.61	28.27	0.057	35.1	99	0.00
16:45	32.25	6.61	28.52	0.058	29.9	95	0.00
16:50	35.14	6.63	28.61	0.060	25.8	91	0.00
16:55	36.26	6.64	28.71	0.060	18.1	87	0.00
17:00	36.55	6.64	28.75	0.060	17.0	81	0.00

Comments: Sample at 17:00

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: D.O.T Sampler: Robert A Leer

Project Number: 44681408 3A Date: 11-8-16 Well ID: MW-7D

Field Conditions: Clear Cool 58°F

Purge Method: Low Flow Stain Steel Submersible Pump Sample Method: Low Flow Stainless Steel Submersible Pump.

WELL DATA

1. Depth to Bottom of Well: 49.0 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 8.75 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 40.25 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 6.44 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 6.44 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 7.40 (gal) Date/time: 11-08-16 @ 1019
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

ST	SWL	Volume	pH (SU)	Temp. (°C)	Cond. (us/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)
0909	8.75	0	5.12	20.8	89.7	89	245	1.18
1009	29.92	6.5	5.27	22.5	92	12.1	359	2.73
1012	29.92	6.80	5.31	22.6	91.9	11.7	348	2.70
1015	29.92	7.10	5.35	22.8	91.8	10.6	347	2.71
1018	29.92	7.40	5.39	22.8	91.2	10.9	350	2.75

G.P.M = 0.10

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: D.O.T Sampler: Robert A Laer

Project Number: 44681405 3A Date: 11-9-16 Well ID: MW-6E

Field Conditions: overcast 63°F

Purge Method: Peristaltic Pump Sample Method: Peristaltic Pump

WELL DATA

1. Depth to Bottom of Well: 76.9 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 18.3 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 58.6 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 9.3 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 9.3 (gal)
   (~~Line 6 x 3~~)
8. Volume Actually Purged: 10.67 (gal) Date/time: 11-9-16 @1025 ~~to~~
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

Time Set

Volume	pH (SU)	Temp. (C)	Cond. (us/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	GPM
0907 18.3 0	6.63	20.5	198	48.5	-19	4.85 ~~10.45~~	-
1014 19.8 9.5	6.65	20.4	229	12.9	-84	1.10 ~~10.75~~	0.18
1017 19.8 9.89	6.66	21.2	227	3.6	-69	0.81	0.13
1020 19.8 10.28	6.66	21.2	225	2.8	-84	0.61	0.13
1023 19.8 10.67	6.67	21.1	226	2.1	-85	0.59	0.13

Comments: The Casing is damaged and a Submersible Pump would not fit down the well. A Peristaltic Pump was used to Purge and Sample

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-7-16 Well ID: 1

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 37.22 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: 4.96 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 32.26 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: _____ (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 6.5 (gal) Date/time: 11-7-16 : 15.00 to 15.30
9. Did Well Go Dry? No
10. Disposal of Purge Water: 6.5 gal.

Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
15.00 5.14	4.65	30.19	0.043	29.3	410	0.00
15.05 5.15	4.65	30.19	0.043	29.3	410	0.00
15.10 5.17	4.62	30.37	0.043	1.74	445	0.00
15.15 5.17	4.65	30.37	0.043	0.00	449	0.00
15.20 5.17	4.67	30.38	0.043	0.00	450	0.00
15.25 5.16	4.70	30.34	0.043	0.00	452	0.00
15.30 5.16	4.69	30.32	0.043	0.00	451	0.00

Comments: Sample At 15.30

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Stout

Project Number: 4468-14-083-A Date: 11-7-16 Well ID: 1B

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 10.5 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: ~~4.55~~ 4.81 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 5.95 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 0.95 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: _____ (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 3 gal (gal) Date/time: 11-7-16 : 14:10 to 14:25
9. Did Well Go Dry? no
10. Disposal of Purge Water: _____

Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
14.10 5.45	5.25	32.10	0.073	82.2	317	~~14.7~~ 8.06
14.15 5.45	5.25	32.10	0.073	82.2	317	8.06
14.20 5.45	5.25	32.10	0.073	82.2	317	8.06
14.25 5.45	5.25	32.10	0.073	82.2	317	8.06

Comments: Sample At 14:25

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Tesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-7-16 Well ID: 1B

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 18.11" (ft)
2. Depth to Product: — (ft)
3. Depth to Water: 4.75 (ft)
4. Thickness of Product: — (ft)
5. Height of Water Column: 13.36 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.13 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: _____ (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 3.5 (gal) Date/time: 11-7-16 12:33 to 12:55
9. Did Well Go Dry? NO
10. Disposal of Purge Water: _____

Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
12:38 2.92	4.80	32.31	0.049	37.6	391	9.6
12:43 8.28	4.61	32.38	0.049	37.6	4.12	0.00
12:48 8.00	4.61	32.38	0.049	37.6	4.12	0.00
12:53 7.92	4.61	32.38	0.049	37.6	4.12	0.00

Comments: Sample At 12:55

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: DOT Sampler: R. Leer

Project Number: 44681408 3A Date: 11-7-16 Well ID: MW-2

Field Conditions: Clear & Mild 74°F

Purge Method: Low Flow Sub. Pump Sample Method: Low Flow Sub. Pump

WELL DATA

1. Depth to Bottom of Well: 36.25 (ft)
2. Depth to Product: N/A (ft)
3. Depth to Water: 4.21 (ft)
4. Thickness of Product: N/A (ft)
5. Height of Water Column: 32.04 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 5.8 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 1 wv = 5.8 24.41 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 7.8 Gal (gal) Date/time: 11-7-16 @ 1357
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed.

ST 1317

(Gal) Volume	pH (SU)	Temp. (°)	Cond. (us/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	SWL	Purge Rate
0	3.68	25.3	68.6	71000	279	1.17	4.21	
1347 6	3.55	25.1	67.9	9.9	360	1.76	5.10	0.00
1350 6.60	3.55	25.1	67.7	9.5	359	1.75	5.10	0.20
1353 7.20	3.53	25.0	67.6	7.2	363	1.77	5.10	0.20
1356 7.80	3.55	25.0	67.9	6.3	365	1.76	5.10	0.20

Comments: Sample was clear and no odor.

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: DOT Sampler: Robert A. Lee

Project Number: 446814083A Date: 11-7-16 Well ID: MW-2A

Field Conditions: Clear 74°F

Purge Method: Low Flow Sub. Pump Sample Method: Low Flow Sub Pump

WELL DATA

1. Depth to Bottom of Well: 17.8 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 4.9 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 12.9 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.0 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 1 well vol = 2.0 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 3.75 (gal) Date/time: 11-7-16 @ 1447
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

ST	BWL	Volume	pH (SU)	Temp. (°C)	Cond. (uS/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	GPM
1422	4.90	0	4.28	26.9	52.3	15.6	372	3.15	0.25
1430	5.16	2.0	3.67	27.0	75.0	17.0	406	1.23	0.25
1433	5.16	2.75	3.67	27.0	74.1	16.7	400	1.23	0.25
1436	5.16	3.00	3.75	27.0	74.1	16.4	400	1.17	0.25
1439	5.16	3.25	3.77	26.9	74.5	8.91	393	1.13	0.25
1442	5.16	3.50	3.80	27.0	73.3	8.03	403	1.20	0.25
1445	5.16	3.75	3.74	26.9	72.9	7.93	403	1.19	0.25
1448									

Comments: Sample was clear & odorless

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Tesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-9-16 Well ID: MW 3A

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 58.12 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: 17.81 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 40.31 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 6.44 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 6.5 (gal) Date/time: 11-9-16 8:20 to 9:30
9. Did Well Go Dry? NO
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
8:30	21.88	6.26	21.97	0.371	87.0	1	0.00
8:35	21.78	6.35	23.30	0.379	53.3	-11	0.00
8:40	22.45	6.36	24.13	0.364	30.0	-16	0.00
8:45	23.4	6.37	24.80	0.356	16.4	-23	0.00
8:50	23.53	6.38	25.87	0.351	15.0	-27	0.00
8:55	23.64	6.40	26.01	0.354	11.6	-33	0.00
9:00	23.7	6.40	26.04	0.356	9.52	-37	0.00
9:05	23.78	6.42	26.25	0.360	4.68	-45	0.00
9:10	23.83	6.43	26.36	0.361	1.56	-50	0.00
9:15	23.98	6.43	26.64	0.363	0.56	-53	0.00
9:20	25.35	6.43	27.10	0.360	2.23	-55	0.00
9:25	26.1	6.41	27.13	0.356	2.26	-57	0.00
9:30	26.2	6.43	27.20	0.357	0.62	-61	0.00

Comments: Water was clear for about a minute. Then Black sheen came out for 3 minutes. Finally clear up.

Sample At 9:30

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: T. Goble

Project Number: 446y-14-083 Date: 11-9-16 Well ID: MW-4

Field Conditions: Cloudy, 70°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 44.93 (ft)
2. Depth to Product: (ft)
3. Depth to Water: 8.78 (ft)
4. Thickness of Product: (ft)
5. Height of Water Column: 36.15 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 5.92 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 17.7 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: (gal) Date/time: : to
9. Did Well Go Dry?
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	WL
1230	0.1	5.27	23.24	0.041	31.0	292	13.32	9.27
1235	0.2	5.19	23.23	0.045	230	296	7.82	10.19
1240	0.4	5.14	23.16	0.043	208	294	5.74	11.22
1245	0.6	5.07	23.29	0.043	204	295	4.89	12.38
1250	0.8	5.06	23.33	0.042	201	295	4.41	13.55
1255	1.0	4.99	23.54	0.042	183	299	4.14	15.02
1300	1.2	5.01	23.15	0.042	165	290	3.71	16.92
1305	1.4	4.99	23.66	0.043	138	293	3.51	18.11
1310	1.8	4.96	23.95	0.043	113	295	3.29	19.64
1315	2.3	4.98	23.90	0.044	87.6	295	3.15	20.57
1320	2.6	5.01	24.10	0.044	65.5	294	3.02	21.94
1325	2.8	5.00	24.16	0.045	34.2	294	2.89	23.17
1330	3.0	4.98	24.39	0.045	19.3	295	2.82	25.05
1335	3.2	4.92	24.49	0.045	14.3	297	2.72	25.55

Comments:

Sampled at 1342

1340	3.4	5.02	24.11	0.046	7.9	292	2.66	26.67

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: T. Goble

Project Number: 4468-14-083 Date: 11-9-16 Well ID: MW-4A

Field Conditions: Cloudy 70°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 21.50 (ft)
2. Depth to Product: - (ft)
3. Depth to Water: 7.18 (ft)
4. Thickness of Product: - (ft)
5. Height of Water Column: 14.32 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.34 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 7.04 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 4.25 (gal) Date/time: 11-9-16 ; 1450 to 1525
9. Did Well Go Dry? No
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	WL
1450	0.5	4.23	23.44	0.060	385	337	7.75	7.15
1455	1.0	4.23	23.76	0.059	76.1	346	5.31	7.27
1500	1.5	4.24	24.24	0.056	31.2	336	3.56	7.25
1505	2.0	4.27	24.32	0.054	20.8	316	3.11	7.24
1510	2.5	4.29	24.45	0.053	13.9	281	2.87	7.24
1515	3.25	4.30	24.53	0.051	6.91	246	2.75	7.24
1520	3.75	4.30	24.49	0.050	5.11	232	2.66	7.24
1525	4.25	4.31	24.54	0.049	3.31	225	2.60	7.25

Comments: Sampled at 1527

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: Well ID: MW5

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 44.1 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: 6.74 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 37.36 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 5.97 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 8 (gal) Date/time: 11-9-16; 14:40 to _____
9. Did Well Go Dry? No
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°C)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
14:45	5.64	4.47	27.9	0.048	46.6	344	0.00
14:50	10.6	4.46	28.02	0.048	12.1	353	0.00
14:55	10.77	4.46	28.21	0.048	2.57	363	0.00
15:00	10.86	4.46	28.30	0.047	0.00	374	0.00
15:05	10.87	4.46	28.32	0.047	0.00	375	0.00
15:10	10.89	4.45	28.31	0.047	0.00	382	0.00
15:15	10.85	4.45	28.23	0.047	0.00	385	0.00
15:20							
15:25							

Comments: Sample at 15:15

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: DoT Sampler: Robert A Leer

Project Number: 44681408 3A Date: 11-8-16 Well ID: MW-6

Field Conditions: Fair 76°F Overcast

Purge Method: SS Low Flow Sub. Pump Sample Method: SS Low Flow Sub Pump

WELL DATA

1. Depth to Bottom of Well: 37.42 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 6.58 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 30.84 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 4.93 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 5.0 (gal)
   ~~(Line 6 x 3)~~
8. Volume Actually Purged: 6.85 (gal) Date/time: 11-8-16 @ 1537
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

Time/Sec	Volume	pH (SU)	Temp. (°C)	Cond. (µS/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	GPM
1447 - 6:58	0	4.0	23.7	55.3	236	149	2.57	
1520 9:46	5.0	3.92	23.0	57.6	51	152	0.68	0.13
1523 9:46	5.39	3.96	22.8	59.2	20	160	0.71	
1526 9:46	5.78	3.96	22.8	59.4	16.5	154	0.34	
1529 9:46	6.17	3.94	22.9	58.9	8.3	155	0.33	
1532 9:46	6.56	3.95	22.8	58.8	7.5	157	0.29	
1535 9:46	6.95	3.94	22.9	58.7	6.8	162	0.41	

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: D.O.T Sampler: Robert Aleer

Project Number: 446814083A Date: 11-8-16 Well ID: MW-6A

Field Conditions: Fair 73°F

Purge Method: Stainless Steel Low Flow Submersible Pump Sample Method: Stainless Steel Low Flow submersible Pump

WELL DATA

1. Depth to Bottom of Well: 17.5 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 7.20 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 10.3 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 1.64 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 1.75 (gal)
   (~~Line 6 x 3~~)
8. Volume Actually Purged: 4.36 (gal) Date/time: 11-8-16 @ 1419
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed.

Time	Stick	Volume	pH (SU)	Temp. (°C)	Cond. (us/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	
1400	7.00	0	3.99	24.9	46.7	56.6	46	0.46	-
1406	7.76	1.75	3.95	25.0	45.3	17.1	6	0.40	0.39
1409	7.80	2.62	4.01	25.0	45.1	9.5	-18	0.35	0.34
1412	7.80	3.49	4.01	25.1	45.3	9.3	-32	0.33	0.29
1415	7.80	4.36	4.00	25.1	45.3	6.10	-36	0.32	0.29
1418									

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Georgia DOT Sampler: Robert Aleer

Project Number: 446814083A Date: 11-7-16 Well ID: MW-7

Field Conditions: Clear 70°F

Purge Method: Low Flow Sub. Pump Sample Method: Low Flow Sub Pump

WELL DATA

1. Depth to Bottom of Well: 23.0 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 5.03 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 17.97 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.8 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 3.0 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 4.44 (gal) Date/time: 11-7-16 @ 1701
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

ST	SWL	Volume	pH (SU)	Temp. (°C)	Cond. (uS/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	G.P.M
1633	5.03	0	3.74	25.0	68.1	97.07	421	1.80	—
1651	6.25	3.0	3.89	24.8	69.0	26.5	416	1.22	0.16
1654	6.25	3.48	3.84	24.8	69.0	9.49	404	1.27	0.16
1657	6.25	3.96	3.87	24.8	69.3	8.47	405	1.21	0.16
1700	6.25	4.44	3.85	24.8	69.0	8.40	413	1.19	0.16

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Georgia DOT Sampler: Robert A Geer

Project Number: 446814083A Date: 11-7-16 Well ID: MW-7A

Field Conditions: Clear

Purge Method: SS Sub. Low Flow Pump Sample Method: SS Sub. Low Flow Pump

WELL DATA

1. Depth to Bottom of Well: 32.1 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 5.15 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 26.95 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 4.3 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 4.3 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 6.30 (gal) Date/time: 11-7-16 @ to 1612
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

ST	SWL	Volume	pH (SU)	Temp. (°C)	Cond. (us/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	GPM
1538	15.15	0	3.91	24.7	64.0	4.6	410	1.69	0.20
1602	6.10	4.5	3.80	24.7	64.2	1.5	413	1.30	0.20
1605	6.10	5.10	3.82	24.7	64.3	1.5	413	1.33	0.20
1608	6.10	5.70	3.83	24.7	64.3	1.3	413	1.34	0.20
1611	6.10	6.30	3.86	24.7	64.2	1.7	414	1.34	0.20

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: DOT Jesup Sampler: T. Goble

Project Number: 4468-14-093 Date: 11-9-16 Well ID: MW-8

Field Conditions: Overcast 68°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 20.05 (ft)
2. Depth to Product: - (ft)
3. Depth to Water: 5.14 (ft)
4. Thickness of Product: - (ft)
5. Height of Water Column: 14.91 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.44 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 7.33 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 4.50 (gal) Date/time: 11-9-16 : 0955 to 1030
9. Did Well Go Dry? No
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	WL
0955	0.2	4.91	22.65	0.024	94.4	319	5.70	5.61
1000	1.0	4.61	24.80	0.037	68.2	360	4.05	5.55
1005	1.5	4.50	24.11	0.037	53.4	366	3.96	5.43
1010	2.0	4.52	24.91	0.037	39.5	364	3.71	5.45
1015	2.5	4.53	25.13	0.037	29.2	361	3.40	5.46
1020	3.25	4.53	25.23	0.037	25.8	358	3.21	5.44
1025	4.00	4.53	25.30	0.037	17.3	355	3.10	5.43
1030	4.50	4.55	25.25	0.037	9.0	353	3.01	5.43

Comments: Sampled at 1030

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: T. Goble

Project Number: 4468-14-083 Date: 11-9-16 Well ID: MW-8

Field Conditions: Overcast 65°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 52.91 (ft)
2. Depth to Product: - (ft)
3. Depth to Water: 9.16 (ft)
4. Thickness of Product: - (ft)
5. Height of Water Column: 43.75 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 7.17 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 21.52 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 2.7 (gal) Date/time: 11-9-16 : 0940 to 0925
9. Did Well Go Dry? No
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	WL
0940	0.2	5.19	21.35	0.014	90.4	319	13.94	11.35
0945	0.4	5.57	21.05	0.013	118	312	10.67	10.90
0850	0.7	5.44	21.66	0.015	117	291	8.02	11.50
0855	0.9	5.38	21.79	0.014	110	280	6.68	12.10
0900	1.2	5.21	22.17	0.013	84.6	281	6.41	12.32
0905	1.5	5.27	21.88	0.012	67.2	291	5.91	12.07
0910	1.8	5.25	22.03	0.012	43.1	282	5.64	12.70
0915	2.1	5.25	21.92	0.012	25.0	280	5.51	12.73
0920	2.4	5.20	22.46	0.012	13.9	280	5.31	12.77
0925	2.7	5.20	22.27	0.012	9.1	280	5.31	12.45

Comments: Sampled at 0925

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: D.O.T Sampler: Robert A Leer

Project Number: 46814083A Date: 11-9-16 Well ID: MW-9

Field Conditions: Overcast 65° F

Purge Method: Stainless Steel Low Flow Submersible Pump Sample Method: Stainless Steel Low Flow Submersible Pump

WELL DATA

1. Depth to Bottom of Well: 20.28 (ft)
2. Depth to Product: N/A (ft)
3. Depth to Water: 5.85 (ft)
4. Thickness of Product: N/A (ft)
5. Height of Water Column: 14.43 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.3 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 2.5 (gal)
   (~~Line 6 x 3~~)
8. Volume Actually Purged: 7.75 (gal) Date/time: 11-9-16 @ 1142
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed.

Time / SWL	Volume	pH (SU)	Temp. (C)	Cond. (uS/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	G.P.M
5.85	0	4.23	24.0	52.6	122	230	0.80	-
1119 7.00	2.5	4.04	24.1	48.8	28.2	241	0.37	0.25
1122 7.00	3.25	3.92	24.1	48.6	25.2	261	0.33	0.25
1125 7.0	4.0	3.99	24.1	47.7	25.7	296	0.30	0.25
1128 7.0	4.75	3.86	24.1	47.9	18.5	302	0.26	0.25
1131 7.0	5.50	3.96	24.0	47.5	13.6	317	0.25	0.25
1134 7.0	6.25	3.84	24.0	47.5	9.6	315	0.22	0.25
1137 7.0	7.0	3.90	24.1	47.3	9.5	312	0.22	0.25
1140 7.0	7.75	3.87	24.1	47.6	9.7	310	0.21	0.25

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: D.O.T Sampler: Robert A Lee

Project Number: 44681408 3A Date: 11-9-96 Well ID: MW-9A

Field Conditions: Overcast 70°F

Purge Method: Stainless Steel Low Flow Submersible Pump Sample Method: Stainless Steel Low Flow Submersible Pump

WELL DATA

1. Depth to Bottom of Well: 53.6 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 10.55 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 43.05 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 6.8 (gal)
   (For a 2" well = Line 5 x 0.16)
   * (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 7.0 (gal)
   ~~(Line 6 x 3)~~
8. Volume Actually Purged: 8.62 (gal) Date/time: 11-9-96 @ 1318
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

Time	SWL	Volume	pH (SU)	Temp. (C)	Cond. (us/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	GPM
1230	10.55	0	4.56	22.3	35.5	8.8	228	0.72	—
1307	12.73	7.0	4.62	21.4	37.7	11.7	190	0.52	0.18
1310	12.73	7.54	4.65	21.5	37.7	9.9	182	0.38	0.18
1313	12.73	8.08	4.63	21.6	37.6	8.5	182	0.32	0.18
1316	12.73	8.62	4.60	21.6	37.6	7.9	167	0.31	0.18

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-9-16 Well ID: MW 10

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 19.61 (ft)
2. Depth to Product: — (ft)
3. Depth to Water: 7.57 (ft)
4. Thickness of Product: — (ft)
5. Height of Water Column: 12.04 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: ~~Not Req~~ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 1.92 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 7.5 (gal) Date/time: 11-9-16 ; 12:20 to
9. Did Well Go Dry? No
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°C)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
12:25	7.8	4.24	27.53	0.011	261	353	5.72
12:30	7.8	4.74	30.53	0.041	199	335	0.00
12:35	7.8	4.74	30.61	0.041	93.3	346	0.00
12:40	7.8	4.74	30.68	0.041	82.8	347	0.00
12:45	7.8	4.73	30.68	0.041	52.4	351	0.00
12:50	7.8	4.74	30.71	0.041	48.4	352	0.00
12:55	7.8	4.75	30.71	0.041	37.5	353	0.00
13:00	7.8	4.74	30.49	0.041	29.0	355	0.00
13:05							

Comments: Could not get NTU down after 7 gallons purge

Sample at 13:05

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-8-16 Well ID: MW11

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 20.21 (ft)
2. Depth to Product: — (ft)
3. Depth to Water: 7.35 (ft)
4. Thickness of Product: — (ft)
5. Height of Water Column: 12.86 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   * (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 2.05 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 8 (gal) Date/time: 11-8-16; 16.00 to 16:45
9. Did Well Go Dry? _____
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
16.05	2.58	4.39	30.87	0.055	800+	384	0.00
16.10	2.6	4.38	31.16	0.055	800+	400	0.00
16.15	2.6	4.37	31.54	0.055	738	431	0.00
16.20	2.6	4.38	31.56	0.055	728	436	0.00
16.25	2.6	4.37	31.58	0.055	648	443	0.00
16.30	2.6	4.39	31.57	0.055	466	446	0.00
16.35	2.6	4.39	31.49	0.055	341	454	0.00
16.41	2.6	4.39	31.55	0.055	213	454	0.00
16.45	2.6	4.39	31.60	0.055	136	454	0.00

Comments: NTU stain ran over min purge volume
Sample At 16:45

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jasp DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: Well ID: MW12

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 21.26 (ft)
2. Depth to Product: — (ft)
3. Depth to Water: 5.95 (ft)
4. Thickness of Product: — (ft)
5. Height of Water Column: 15.31 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 2.45 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 9 (gal) Date/time: 11/4/16 8:45 to 9:45
9. Did Well Go Dry? NO
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°C)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
8:50	6.4	4.64	26.13	0.046	270	359	0.00
8:55	6.41	4.62	26.26	0.046	182	368	0.00
9:00	6.41	4.61	26.38	0.046	127	376	0.00
9:05	6.41	4.59	26.44	0.046	72.4	384	0.00
9:10	6.41	4.59	26.49	0.046	46.2	386	0.00
9:15	6.41	4.59	26.57	0.046	39.1	390	0.00
9:20	6.41	4.58	26.56	0.046	31.7	392	0.00
9:25	6.41	4.59	26.67	0.046	21.3	393	0.00
9:30	6.41	4.60	26.69	0.046	19.6	393	0.00
9:35	6.41	4.60	26.71	0.046	17.7	394	0.00
9:40	6.41	4.60	26.74	0.046	10.3	395	0.00
9:45	6.41	4.60	26.76	0.046	10.3	395	0.00

Comments: Sample At 9:45

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-10-16 Well ID: MW-12A

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 48.9 (ft)
2. Depth to Product: — (ft)
3. Depth to Water: 7.35 (ft)
4. Thickness of Product: — (ft)
5. Height of Water Column: 41.55 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 6.64 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 10 (gal) Date/time: 11-10-16; 10:20 to 11:35
9. Did Well Go Dry? _____
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°C)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
10:30	10.05	5.50	24.78	0.016	427	307	0.00
10:35	10.4	5.51	25.02	0.016	385	308	0.06
10:40	10.5	5.51	25.14	0.016	266	306	0.00
10:45	10.6	5.51	25.18	0.016	228	306	0.00
10:50	10.6	5.51	25.29	0.016	203	305	0.00
10:55	10.6	5.47	24.36	0.016	189	302	0.00
11:00	10.6	5.52	25.31	0.016	172	307	0.00
11:05	10.73	5.52	25.38	0.016	156	307	0.00
11:10	10.75	5.51	25.42	0.016	143	308	0.00
11:15	10.76	5.51	25.44	0.016	137	309	0.00
11:20	10.85	5.50	25.45	0.016	132	308	0.00
11:25	10.87	5.50	25.48	0.016	116	308	0.00
11:30	10.89	5.49	25.47	0.016	99.8	309	0.00

Comments: Sample At 11:35

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: DOT Sampler: Robert A Leer

Project Number: 446814083A Date: 11-10-16 Well ID: MW12R

Field Conditions: Cool Sunny 58°F

Purge Method: S.S. Low Flow Sub Pump Sample Method: S.S. Low Flow Sub. Pump

WELL DATA

1. Depth to Bottom of Well: 20.0 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 5.5 (ft)
4. Thickness of Product: N.A (ft)
5. Height of Water Column: 14.5 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.32 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 2.5 (gal)
   ~~(Line 6 x 3)~~
8. Volume Actually Purged: 8.70 (gal) Date/time: 11-10-16 @ 1016
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

Time/SWL	Volume	pH (SU)	Temp. (°C)	Cond. (µS/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)
0935 5.5	0	4.10	19.5	14.4	385	303	1.28
0947 6.8	2.5	3.41	20.3	71.6	65.2	340	0.55
0949 6.8	3.10	3.51	20.2	71.2	54.6	366	0.48
0952 6.8	3.70	3.51	20.2	70.8	93.5	369	0.48
0953 6.8	4.30	3.57	20.2	71.0	36.4	375	0.47
0956 6.8	4.90	3.52	20.1	71.0	21.1	376	0.46
0959 6.8	5.70	3.52	20.1	71.0	16.9	376	0.48
1002 6.8	6.30	3.54	20.2	71.0	22.4	377	0.48
1005 6.8	6.90	3.53	20.3	70.8	11.2	387	0.49
1008 - 6.8	7.50	3.61	20.3	71.1	9.6	370	0.46
10-11 6.8	8.10	3.58	20.2	71.1	9.1	378	0.41
1014 6.8	8.70	3.61	20.2	70.9	8.2	381	0.39

GPM – 0.20

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: DOT Sampler: Robert A Leer

Project Number: 44681408 3A Date: 11-8-16 Well ID: MW-14

Field Conditions: Sunny 72°F

Purge Method: Stainless Steel Low Flow Sub. Pump Sample Method: Stainless Steel Low Flow Sub. Pump

WELL DATA

1. Depth to Bottom of Well: 17.1 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 8.3 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 8.8 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 1.4 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 1.4 x 1.5 (gal)
   ~~(Line 6 x 3)~~
8. Volume Actually Purged: 4.65 (gal) Date/time: 11-8-16 @ 1316
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

Time / Sec		Volume	pH (SU)	Temp. (°C)	Cond. (us/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	GPM
1246	8.3	0	3.75	23.4	73.7	71000	339	1.73	
1256	9.0	1.5	3.84	23.4	65.2	>6.9	114	0.56	0.15
1259	9.0	1.95	3.81	23.3	64.2	67.5	93	0.49	
1301	9.0	2.40	3.85	23.3	63.2	31.4	54	0.35	
1304	9.0	2.85	3.86	23.2	63.2	21.5	41	0.43	
1307	9.0	3.30	3.87	23.2	64.4	16.6	16	0.37	
1310	9.0	3.75	3.83	23.1	62.0	9.9	14	0.35	
1313	9.0	4.20	3.86	23.1	61.7	9.5	3	0.35	
1316	9.0	4.65	3.87	23.1	61.8	9.0	-3	0.35	

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: D.O.T Sampler: Robert A Leer

Project Number: 446814083A Date: 11-9-16 Well ID: MW-15

Field Conditions: Partly Cloudy 70°F

Purge Method: Stainless Steel Low Flow Submersible Pump Sample Method: Stainless Steel Low Flow Submersible Pump

WELL DATA

1. Depth to Bottom of Well: 19.47 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 6.42 (ft)
4. Thickness of Product: N/A (ft)
5. Height of Water Column: 13.05 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.0 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 2.0 (gal)
   (~~Line 6 x 3~~)
8. Volume Actually Purged: 5.78 (gal) Date/time: 11-9-16 @ 1435
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

Time/Sal

Volume	pH (SU)	Temp. (°C)	Cond. (u/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	GPM
1401 6.42 0	3.77	23.7	75.6	>1000	155	1.19	—
1412 6.57 2.0	3.68	23.7	74.0	98.6	251	0.41	0.18
1415 6.57 2.54	3.65	23.7	73.8	55.3	282	0.36	0.18
1418 6.57 3.08	3.85	23.7	72.4	26.0	186	0.35	0.18
1421 6.57 3.62	3.77	23.7	72.6	20.2	174	0.27	0.18
1424 6.57 4.16	3.81	23.6	72.2	13.9	189	0.26	0.18
1427 6.57 4.70	3.76	23.6	72.0	9.8	137	0.25	0.18
1430 6.57 5.24	3.79	23.5	72.2	9.0	132	0.24	0.18
1433 6.57 5.78	3.80	23.5	72.0	8.1	135	0.21	0.18

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: D.O.T Sampler: Robert A. Leer

Project Number: 446814083A Date: 11-8-16 Well ID: MW-16

Field Conditions: Clear & Sunny 70°F

Purge Method: Stainless Steel Low Flow Submersible Pump Sample Method: Stainless Steel Low Flow Submersible Pump

WELL DATA

1. Depth to Bottom of Well: 15.80 (ft)
2. Depth to Product: NA (ft)
3. Depth to Water: 7.40 (ft)
4. Thickness of Product: NA (ft)
5. Height of Water Column: 8.4 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 1.3 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 1.3 1 well vol (gal)
   (~~Line 6 x 3~~)
8. Volume Actually Purged: 4.59 (gal) Date/time: 11-08-16 @ 1147
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

ST	SWL	Volume	pH (SU)	Temp. (°C)	Cond. (µs/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	GPM
1111	7.40	0	4.81	26.1	44.1	791	355	1.42	-
1122	7.65	1.5	3.64	26.9	44.1	203	331	0.24	0.13
1125	7.65	1.89	3.57	26.8	42.6	133	202	0.64	0.13
1128	7.65	2.28	3.59	26.9	41.6	66.2	101	0.58	0.13
1131	7.65	2.67	3.68	27.0	41.0	45.2	36	0.48	0.13
1134	7.65	3.06	3.74	26.9	41.2	33.6	11	0.44	0.13
1137	7.65	3.45	3.87	27.1	42.0	19.2	-31	0.38	0.13
1140	7.65	3.84	3.70	27.2	40.5	18.5	-31	0.32	0.13
1143	7.65	4.23	3.71	27.1	40.5	19.0	-32	0.37	0.13
1146	7.65	4.69	3.71	27.0	40.5	19.3	-35	0.36	0.13

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: JPSUP DOT Sampler: T. Goble

Project Number: 4464-14-093 Date: 11-10-16 Well ID: MW-17

Field Conditions: Sunny 66°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 18.60 (ft)
2. Depth to Product: - (ft)
3. Depth to Water: 6.34 (ft)
4. Thickness of Product: - (ft)
5. Height of Water Column: 12.22 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.00 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 6.00 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: (gal) Date/time: to
9. Did Well Go Dry?
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	Wl
0900	0.2	4.58	21.38	0.017	1000+	334	13.64	6.72
0905	0.75	4.42	22.02	0.017	576	339	9.13	6.74
0910	1.5	4.32	22.51	0.018	288	262	6.17	6.71
0915	2.25	4.26	23.07	0.019	~~169~~ 399	169	4.84	6.71
0920	3.0	4.22	23.43	0.020	239	146	3.93	6.71
0925	3.75	4.18	23.50	0.022	132	130	3.31	6.71
0930	4.5	4.15	23.54	0.023	94.3	125	2.90	6.71
0935	5.25	4.14	23.56	0.023	80.4	122	2.62	6.71
0940	6.0	4.12	23.55	0.023	65.3	119	2.41	6.71
0945	6.75	4.08	23.66	0.023	52.6	115	2.14	6.71
0950	7.5	4.08	23.67	0.023	46.3	111	1.99	6.71
0955	8.25	4.08	23.69	0.024	40.8	105	1.86	6.71
1000	9.00	4.07	23.65	0.024	37.7	102	1.75	6.71
1005	9.75	4.08	23.68	0.024	35.4	99	1.67	6.71

Comments: Extracted 5 well volumes. Took sample at 1007

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: D.O.T Sampler: Robert A. Loer

Project Number: 44681408 3A Date: 11-9-16 Well ID: MW-18

Field Conditions: Partly Sunny 70°F

Purge Method: Stainless Steel Low Flow Submersible Pump Sample Method: Stainless Steel Low Flow Submersible Pump

WELL DATA

1. Depth to Bottom of Well: 17.43 (ft)
2. Depth to Product: N/A (ft)
3. Depth to Water: 6.40 (ft)
4. Thickness of Product: N/A (ft)
5. Height of Water Column: 11.03 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 1.76 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 2.0 (gal)
   (~~Line 5 x 3~~)
8. Volume Actually Purged: 3.60 (gal) Date/time: 11-9-16 @ 1554
9. Did Well Go Dry? NO
10. Disposal of Purge Water: Drummed

Time/Sal	Volume	pH (SU)	Temp. (°C)	Cond. (µS/cm)	Turb. (NTU)	ORP (mV)	DO (mg/L)	G.P.M
1505 6.40	0	6.79	21.3	72.0	127	128	1.38	-
1538 7.80	2.0	4.23	21.6	20.5	37	163	0.69	0.15
1541 7.80	2.45	3.75	21.5	69.5	21.2	171	0.51	0.15
1543 7.80	2.90	3.58	21.4	69.9	12.1	165	0.42	0.15
1546 7.80	3.35	3.59	21.4	69.7	9.0	165	0.39	0.15
1549 7.80	3.80	3.59	21.3	69.7	6.7	161	0.36	0.15
1552 7.80	4.25	3.60	21.3	70.0	4.1	160	0.32	0.15

Comments:

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Tesoro DOT Sampler: Rick Setzer

Project Number: 4468.14-083A Date: 11-8-16 Well ID: MW19

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 12.61 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: 4.94 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 12.67 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 2.02 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: _____ (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 5 (gal) Date/time: 11-8-16 : 10:00 to _____
9. Did Well Go Dry? No
10. Disposal of Purge Water: _____

Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
10:05 5.0	4.85	30.37	0.061	118	377	0.00
10:10 5.1	4.84	31.16	0.061	70.4	406	0.00
10:15 5.1	4.83	31.35	0.062	41.0	413	0.00
10:20 5.1	4.83	31.62	0.063	12.6	421	0.00
10:25 5.1	4.84	31.66	0.064	5.34	422	0.00
10:30 5.1	4.84	31.69	0.064	1.47	423	0.00
10:35 5.1	4.84	31.75	0.064	0.00	423	0.00
10:40 5.1	4.84	31.84	0.064	0.00	423	0.00
10:45						

Comments: Sample At 10:40

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-8-16 Well ID: 19A

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 49.53 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: 22.44 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 27.09 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 4.33 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: _____ (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 2 (gal) Date/time: 11-8-16; 8.25 to 9:30
9. Did Well Go Dry? No
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
8.30	11.5	5.12	27.67	0.043	17.8	355	0.00
8.35	12.5	5.11	27.16	0.043	2.50	361	0.00
8.40	12.7	5.12	26.61	0.043	4.56	361	0.00
8.45	13.5	5.11	26.32	0.044	7.19	361	0.00
8.50	14.9	5.11	27.13	0.044	23.7	359	0.00
8.55	15.5	5.10	27.48	0.044	8.84	360	0.00
9.00	15.6	5.12	26.81	0.044	3.32	360	0.00
9.05	15.6	5.12	26.61	0.045	2.63	359	0.00
9.10	16.1	5.13	26.53	0.045	2.36	355	0.00
9.15	16.4	5.14	26.87	0.044	2.51	350	0.00
9.20	16.9	5.13	27.41	0.044	2.33	349	0.00
9.25	17.15	5.14	27.53	0.044	2.30	349	0.00
9.30	17.17	5.14	27.41	0.044	2.30	349	0.00

Comments: Sample At 9:30

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-8-16 Well ID: MW 20

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 58.26 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: 17.88 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 41.2 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 6.59 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 6.6 (gal) Date/time: 11-8-16; 11:50 to 12:55
9. Did Well Go Dry? NO
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
11:55	19.5	6.95	28.81	0.083	87.9	188	0.00
12:00	19.8	6.99	28.83	0.083	64.5	171	0.00
12:05	19.3	7.01	28.92	0.081	45.6	140	0.00
12:10	19.35	6.98	28.93	0.078	29.8	136	0.00
12:15	19.37	6.96	28.92	0.076	23.4	136	0.00
12:20	19.4	6.90	28.94	0.074	17.5	137	0.00
12:25	19.47	6.91	28.91	0.072	12.7	134	0.00
12:30	19.50	6.88	28.96	0.071	10.2	133	0.00
12:35	19.53	6.83	28.98	0.070	6.18	135	0.00
12:40	19.53	6.82	29.04	0.069	5.35	134	0.00
12:45	19.55	6.83	29.09	0.068	2.73	133	0.00
12:50	19.55	6.82	29.13	0.068	2.54	133	0.00
12:55	19.55	6.82	29.13	0.068	2.54	133	0.00

Comments: Sample At 12:55

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Tesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-8-16 Well ID: MW21

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 18.10 (ft)
2. Depth to Product: _____ (ft)
3. Depth to Water: 8.66 (ft)
4. Thickness of Product: _____ (ft)
5. Height of Water Column: 9.44 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 1.51 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 8 (gal) Date/time: 11-8-16:14:20 to _____
9. Did Well Go Dry? No
10. Disposal of Purge Water: _____

Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
14:30 8.8	5.17	31.47	0.046	800+	321	0.70
14:35 8.8	5.03	30.83	0.038	800+	347	0.00
14:40 8.9	5.02	31.16	0.036	800+	346	0.00
14:45 8.8	5.01	30.11	0.036	800+	310	0.00
14:50 8.83	4.98	30.43	0.036	713	290	0.00
14:55 8.8	4.99	29.75	0.036	699	293	0.00
15:00 8.8	4.97	30.02	0.036	580	262	0.00
15:05 8.8	4.96	29.72	0.035	483	245	0.00
15:10 8.8	4.96	29.91	0.036	476	244	0.00
15:15 8.8	4.96	29.86	0.036	430	244	0.00

Comments: NTU would not clear up ran over Purge Volume Sample At 15:15

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: Rick Setzer

Project Number: 4468-14-083A Date: 11-9-16 Well ID: MW22

Field Conditions: _____

Purge Method: _____ Sample Method: _____

WELL DATA

1. Depth to Bottom of Well: 15.32 (ft)
2. Depth to Product: — (ft)
3. Depth to Water: 4.7 (ft)
4. Thickness of Product: — (ft)
5. Height of Water Column: 10.62 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: _____ (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 1.69 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 6.5 (gal) Date/time: 11-9-16; 10:10 to 10:42
9. Did Well Go Dry? NO
10. Disposal of Purge Water: _____

	Volume	pH (SU)	Temp. (°C)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)
10:12	4.9	4.78	28.38	0.033	52.1	245	0.00
10:17	4.86	4.67	28.92	0.037	8.78	269	0.00
10:22	4.85	4.63	29.09	0.038	2.23	270	0.00
10:27	4.85	4.63	29.19	0.038	2.44	274	0.00
10:32	4.85	4.63	29.20	0.038	0.00	278	0.00
10:37	4.85	4.63	29.25	0.038	0.00	288	0.00
10:42	4.85	4.62	29.27	0.037	0.00	289	0.00

Comments: Sample At 10:42

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: T. Goble

Project Number: 4468-14-083 Date: 11-9-16 Well ID: MW-23

Field Conditions: Cloudy 70°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 15.05 (ft)
2. Depth to Product: - (ft)
3. Depth to Water: 6.84 (ft)
4. Thickness of Product: - (ft)
5. Height of Water Column: 8.21 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 1.34 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 4.03 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: _____ (gal) Date/time: 11-9-16 : 1515 to
9. Did Well Go Dry? _____
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	WL
1515	0.1	4.62	26.62	0.031	839	302	3.58	6.13
1520	0.25	4.58	27.02	0.037	1000+	272	3.00	6.14
1.75 1525	~~0.75~~	4.28	27.34	0.038	257	275	2.19	6.14
1530	2.75	4.25	27.64	0.040	131	264	1.70	6.05
1535	3.50	4.21	27.12	0.040	72.7	254	1.56	6.06
1540	4.00	4.19	27.89	0.042	78.6	234	1.36	6.06
1545	4.5	4.16	27.96	0.042	62.8	223	1.29	6.05
1550	5.0	4.14	27.96	0.042	40.0	219	1.24	6.05
1555	5.5	4.13	27.98	0.042	27.4	214	1.19	6.05
1600	6.0	4.12	28.01	0.042	18.4	211	1.14	6.05
1605	6.5	4.12	28.02	0.043	15.1	209	1.11	6.05

Comments: Extracted 5 well volumes waiting for turbidity. Took sample at 1605

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jessup DOT Sampler: T. Goble

Project Number: 4464-14-083 Date: 11-8-16 Well ID: MW-23A

Field Conditions: Cloudy 70°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 43.23 (ft)
2. Depth to Product: - (ft)
3. Depth to Water: 6.48 (ft)
4. Thickness of Product: - (ft)
5. Height of Water Column: 36.75 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 6.02 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 18.08 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 3.0 (gal) Date/time: 11-8-16; 1325 to 1420
9. Did Well Go Dry? No
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	WL
1325	0.1	5.91	27.63	0.044	71.3	230	3.86	7.14
1330	0.2	5.15	28.09	0.040	130	281	2.61	7.80
1335	0.4	5.02	27.69	0.040	121	289	2.38	7.81
1340	0.6	4.73	27.22	0.040	73.3	310	1.89	7.82
1345	0.8	4.66	27.15	0.040	54.4	319	1.76	7.82
1350	1.2	4.64	27.29	0.040	29.7	327	1.67	7.80
1355	1.5	4.65	27.23	0.040	29.5	331	1.55	7.80
1400	2.0	4.66	27.19	0.040	28.2	333	1.52	7.81
1405	2.25	4.64	27.13	0.040	24.1	335	1.46	7.80
1410	2.50	4.68	27.04	0.040	16.2	336	1.48	7.82
1416	2.75	4.70	27.01	0.040	8.10	337	1.46	7.80
1420	3.0							

Comments: Sample at 1420

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: T. Gobie

Project Number: 4468-14.083 Date: 11-7-16 Well ID: MW-24

Field Conditions: Sunny 75°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 15.52 (ft)
2. Depth to Product: - (ft)
3. Depth to Water: 4.95 (ft)
4. Thickness of Product: - (ft)
5. Height of Water Column: 10.54 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 1.73 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 5.20 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 3.50 (gal) Date/time: 11-7-16 : 1545 to 1650
9. Did Well Go Dry? No
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	WL
1545	0.25	6.29	27.53	0.064	351	210	6.67	4.88
1550	0.50	4.88	27.70	0.046	799	276	6.25	4.90
1555	0.75	4.43	27.78	0.036	667	303	4.74	4.90
1600	1.00	4.34	27.79	0.035	543	313	5.11	4.89
1605	1.25	4.31	27.79	0.034	458	317	5.06	4.89
1610	1.50	4.29	27.76	0.034	376	321	5.01	4.90
1615	1.75	4.24	27.77	0.034	316	326	4.93	4.88
1620	2.00	4.19	27.84	0.034	271	334	4.80	4.89
1625	2.25	4.17	27.79	0.034	237	334	4.76	4.90
1630	2.50	4.16	27.73	0.034	211	341	4.69	4.90
1635	2.75	4.13	27.71	0.033	160	345	4.67	4.89
1640	3.00	4.12	27.71	0.033	93	348	4.63	4.89
1645	3.25	4.12	27.70	0.033	72	349	4.59	4.88
1650	3.50	4.10	27.70	0.033	55	351	4.56	4.89

Comments: Concerned Facility was closing. Took sample at 1650.

Monitoring Well Development
Field Data Sheet

SITE DATA

Project Name: Jesup DOT Sampler: T. Gable

Project Number: 4469-14-083 Date: 11-8-16 Well ID: MW-24A

Field Conditions: Cloudy 66°

Purge Method: Pump Sample Method: Pump

WELL DATA

1. Depth to Bottom of Well: 49.53 (ft)
2. Depth to Product: - (ft)
3. Depth to Water: 10.78 (ft)
4. Thickness of Product: - (ft)
5. Height of Water Column: 37.75 (ft)
   (Line 1 – Line 3)
6. Water Volume in Well: 6.19 (gal)
   (For a 2" well = Line 5 x 0.16)
   (For a 4" well = Line 5 x 0.64)
7. Min. Purge Volume: 18.57 (gal)
   (Line 6 x 3)
8. Volume Actually Purged: 7.25 (gal) Date/time: 11-4-16; 0855 to 0955
9. Did Well Go Dry? No
10. Disposal of Purge Water: Drum

Time	Volume	pH (SU)	Temp. (°)	Cond. ( )	Turb. (NTU)	ORP (mV)	DO (mg/L)	WL
0855	0.25	6.04	18.69	0.079	616	292	13.54	11.90
0900	0.4	6.37	21.31	0.073	786	274	12.70	12.60
0905	0.5	6.29	21.17	0.072	767	271	11.02	13.01
0910	0.6	6.32	21.37	0.072	678	263	10.09	13.42
0915	0.7	6.34	21.92	0.072	539	240	7.60	14.14
0920	0.8	6.28	21.84	0.072	491	238	7.35	14.41
0925	0.9	6.32	22.36	0.072	382	250	6.56	14.80
0930	1.0	6.29	22.11	0.072	246	226	6.06	15.37
0935	1.25	6.26	22.81	0.073	159	222	5.60	15.85
0940	1.50	6.31	22.93	0.074	81.3	219	5.30	16.26
0945	1.75	6.29	23.26	0.074	50.5	216	5.19	16.70
0950	2.00	6.25	23.42	0.075	22.2	216	5.02	17.08
0955	2.25	6.31	23.53	0.075	8.8	212	4.88	17.74

Comments: Sample at 0955

Appendix IV – November 2016 Groundwater/Surface Water Analytical Laboratory Report

ANALYTICAL REPORT

November 30, 2016

S&ME Inc. - Kennesaw GA

Sample Delivery Group:	L872434
Samples Received:	11/12/2016
Project Number:	4468-14-083A
Description:	Jesup DOT

Report To: Mary Stacy
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Entire Report Reviewed By:

Jeff Carr
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

MW-1 L872434-01 GW

Collected by: Taylor Gable | Collected date/time: 11/07/16 15:30 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 02:27	11/15/16 02:27	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 16:44	11/15/16 16:44	JHH

MW-1A L872434-02 GW

Collected by: Taylor Gable | Collected date/time: 11/07/16 14:25 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 02:47	11/15/16 02:47	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 17:03	11/15/16 17:03	JHH

MW-1B L872434-03 GW

Collected by: Taylor Gable | Collected date/time: 11/07/16 12:55 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 03:08	11/15/16 03:08	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 17:23	11/15/16 17:23	JHH

MW-2 L872434-04 GW

Collected by: Taylor Gable | Collected date/time: 11/07/16 13:57 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 03:29	11/15/16 03:29	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 17:42	11/15/16 17:42	JHH

MW-2A L872434-05 GW

Collected by: Taylor Gable | Collected date/time: 11/07/16 14:47 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 03:49	11/15/16 03:49	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 18:02	11/15/16 18:02	JHH

MW-2D L872434-06 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 17:00 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 04:10	11/15/16 04:10	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 18:21	11/15/16 18:21	JHH

MW-3A L872434-07 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 09:30 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 07:58	11/15/16 07:58	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	250	11/16/16 19:02	11/16/16 19:02	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 18:41	11/15/16 18:41	JHH

MW-4 L872434-08 GW

Collected by: Taylor Gable
Collected date/time: 11/09/16 13:42
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 04:30	11/15/16 04:30	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 19:00	11/15/16 19:00	JHH

MW-4A L872434-09 GW

Collected by: Taylor Gable
Collected date/time: 11/09/16 15:27
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 04:51	11/15/16 04:51	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 19:19	11/15/16 19:19	JHH

MW-5 L872434-10 GW

Collected by: Taylor Gable
Collected date/time: 11/09/16 15:15
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 05:12	11/15/16 05:12	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 19:39	11/15/16 19:39	JHH

MW-6 L872434-11 GW

Collected by: Taylor Gable
Collected date/time: 11/08/16 15:37
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 05:32	11/15/16 05:32	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 19:58	11/15/16 19:58	JHH

MW-6A L872434-12 GW

Collected by: Taylor Gable
Collected date/time: 11/08/16 14:19
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 05:54	11/15/16 05:54	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 20:18	11/15/16 20:18	JHH

MW-6E L872434-13 GW

Collected by: Taylor Gable
Collected date/time: 11/09/16 10:25
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 06:14	11/15/16 06:14	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 20:37	11/15/16 20:37	JHH

MW-7 L872434-14 GW

Collected by: Taylor Gable
Collected date/time: 11/07/16 17:01
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926237	1	11/15/16 06:35	11/15/16 06:35	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 20:56	11/15/16 20:56	JHH

MW-7A L872434-15 GW

Collected by: Taylor Gable | Collected date/time: 11/07/16 16:12 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/15/16 22:14	11/15/16 22:14	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 21:15	11/15/16 21:15	JHH

MW-7D L872434-16 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 10:19 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/15/16 22:36	11/15/16 22:36	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	10	11/17/16 04:45	11/17/16 04:45	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 21:35	11/15/16 21:35	JHH

MW-8 L872434-17 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 10:30 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/15/16 22:58	11/15/16 22:58	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	10	11/17/16 04:57	11/17/16 04:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926722	1	11/15/16 21:54	11/15/16 21:54	JHH

MW-8A L872434-18 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 09:25 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/15/16 23:42	11/15/16 23:42	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 01:51	11/16/16 01:51	JHH

MW-9 L872434-19 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 11:42 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 00:03	11/16/16 00:03	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 02:11	11/16/16 02:11	JHH

MW-9A L872434-20 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 13:18 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 00:25	11/16/16 00:25	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	10	11/17/16 05:10	11/17/16 05:10	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 02:30	11/16/16 02:30	JHH

MW-10 L872434-21 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 13:05 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 00:47	11/16/16 00:47	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/17/16 05:22	11/17/16 05:22	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 02:50	11/16/16 02:50	JHH

MW-11 L872434-22 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 16:45 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 01:09	11/16/16 01:09	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 03:09	11/16/16 03:09	JHH

MW-12 L872434-23 GW

Collected by: Taylor Gable | Collected date/time: 11/10/16 09:45 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 01:31	11/16/16 01:31	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 03:29	11/16/16 03:29	JHH

MW-12A L872434-24 GW

Collected by: Taylor Gable | Collected date/time: 11/10/16 11:35 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 01:54	11/16/16 01:54	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 03:49	11/16/16 03:49	JHH

MW-12R L872434-25 GW

Collected by: Taylor Gable | Collected date/time: 11/10/16 10:16 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 02:16	11/16/16 02:16	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 04:08	11/16/16 04:08	JHH

MW-14 L872434-26 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 14:18 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 02:38	11/16/16 02:38	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 04:27	11/16/16 04:27	JHH

MW-15 L872434-27 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 14:35 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 03:00	11/16/16 03:00	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 04:47	11/16/16 04:47	JHH

MW-16 L872434-28 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 11:47 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/16/16 03:22	11/16/16 03:22	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 05:06	11/16/16 05:06	JHH

MW-17 L872434-29 GW

Collected by: Taylor Gable
Collected date/time: 11/10/16 10:07
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/17/16 18:04	11/17/16 18:04	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 05:26	11/16/16 05:26	JHH

MW-18 L872434-30 GW

Collected by: Taylor Gable
Collected date/time: 11/09/16 15:54
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/17/16 18:27	11/17/16 18:27	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 05:45	11/16/16 05:45	JHH

MW-19 L872434-31 GW

Collected by: Taylor Gable
Collected date/time: 11/08/16 10:40
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926240	1	11/17/16 18:49	11/17/16 18:49	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 06:04	11/16/16 06:04	JHH

MW-19A L872434-32 GW

Collected by: Taylor Gable
Collected date/time: 11/08/16 09:30
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 03:16	11/17/16 03:16	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 06:24	11/16/16 06:24	JHH

MW-20 L872434-33 GW

Collected by: Taylor Gable
Collected date/time: 11/08/16 12:55
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 03:38	11/17/16 03:38	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 06:43	11/16/16 06:43	JHH

MW-21 L872434-34 GW

Collected by: Taylor Gable
Collected date/time: 11/08/16 15:15
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 04:00	11/17/16 04:00	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 07:02	11/16/16 07:02	JHH

MW-22 L872434-35 GW

Collected by: Taylor Gable
Collected date/time: 11/09/16 10:42
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 04:22	11/17/16 04:22	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 07:22	11/16/16 07:22	JHH

MW-23 L872434-36 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 16:05 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 04:44	11/17/16 04:44	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 07:41	11/16/16 07:41	JHH

MW-23A L872434-37 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 14:20 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 05:06	11/17/16 05:06	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926724	1	11/16/16 08:00	11/16/16 08:00	JHH

MW-24 L872434-38 GW

Collected by: Taylor Gable | Collected date/time: 11/07/16 16:50 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 05:29	11/17/16 05:29	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 13:49	11/16/16 13:49	JHH

MW-24A L872434-39 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 09:55 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 05:51	11/17/16 05:51	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 14:08	11/16/16 14:08	JHH

MW-30A L872434-40 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 10:00 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 06:13	11/17/16 06:13	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 14:28	11/16/16 14:28	JHH

MW-38 L872434-41 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 10:35 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 06:35	11/17/16 06:35	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	10	11/18/16 06:52	11/18/16 06:52	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 14:47	11/16/16 14:47	JHH

MW-40A L872434-42 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 15:32 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 06:57	11/17/16 06:57	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 15:07	11/16/16 15:07	JHH

MW-47 L872434-43 GW

Collected by: Taylor Gable | Collected date/time: 11/10/16 10:12 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 07:19	11/17/16 07:19	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 15:26	11/16/16 15:26	JHH

EQUIPMENT BLANK L872434-44 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 14:40 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 02:10	11/17/16 02:10	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 12:51	11/16/16 12:51	JHH

EQUIPMENT BLANK 2 L872434-45 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 14:20 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 02:32	11/17/16 02:32	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 13:10	11/16/16 13:10	JHH

TRIP BLANK L872434-46 GW

Collected by: Taylor Gable | Collected date/time: 11/09/16 00:00 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 02:54	11/17/16 02:54	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 13:29	11/16/16 13:29	JHH

SW-3 L872434-47 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 10:50 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 07:41	11/17/16 07:41	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 15:45	11/16/16 15:45	JHH

SW-4 L872434-48 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 11:12 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 08:03	11/17/16 08:03	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 16:05	11/16/16 16:05	JHH

SW-7 L872434-49 GW

Collected by: Taylor Gable | Collected date/time: 11/08/16 10:57 | Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 08:25	11/17/16 08:25	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 16:24	11/16/16 16:24	JHH

SW-8 L872434-50 GW

Collected by: Taylor Gable
Collected date/time: 11/08/16 11:17
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 08:47	11/17/16 08:47	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 16:43	11/16/16 16:43	JHH

SW-9 L872434-51 GW

Collected by: Taylor Gable
Collected date/time: 11/08/16 11:21
Received date/time: 11/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG926236	1	11/17/16 09:09	11/17/16 09:09	ACG
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG926726	1	11/16/16 17:03	11/16/16 17:03	JHH

All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jeff Carr
Technical Service Representative

Sample Handling and Receiving

The analysis for 2-Chloroethyl Vinyl Ether was conducted from a chemically preserved container.

ESC Sample ID	Project Sample ID	Method
L872434-01	MW-1	8260B
L872434-02	MW-1A	8260B
L872434-03	MW-1B	8260B
L872434-04	MW-2	8260B
L872434-05	MW-2A	8260B
L872434-06	MW-2D	8260B
L872434-07	MW-3A	8260B
L872434-08	MW-4	8260B
L872434-09	MW-4A	8260B
L872434-10	MW-5	8260B
L872434-11	MW-6	8260B
L872434-12	MW-6A	8260B
L872434-13	MW-6E	8260B
L872434-14	MW-7	8260B
L872434-15	MW-7A	8260B
L872434-16	MW-7D	8260B
L872434-17	MW-8	8260B
L872434-18	MW-8A	8260B
L872434-19	MW-9	8260B
L872434-20	MW-9A	8260B
L872434-21	MW-10	8260B
L872434-22	MW-11	8260B
L872434-23	MW-12	8260B
L872434-24	MW-12A	8260B
L872434-25	MW-12R	8260B
L872434-26	MW-14	8260B
L872434-27	MW-15	8260B
L872434-28	MW-16	8260B
L872434-29	MW-17	8260B
L872434-30	MW-18	8260B
L872434-31	MW-19	8260B
L872434-32	MW-19A	8260B
L872434-33	MW-20	8260B
L872434-34	MW-21	8260B
L872434-35	MW-22	8260B
L872434-36	MW-23	8260B
L872434-37	MW-23A	8260B
L872434-38	MW-24	8260B
L872434-39	MW-24A	8260B
L872434-40	MW-30A	8260B
L872434-41	MW-38	8260B
L872434-42	MW-40A	8260B
L872434-43	MW-47	8260B
L872434-44	EQUIPMENT BLANK	8260B
L872434-45	EQUIPMENT BLANK 2	8260B
L872434-46	TRIP BLANK	8260B
L872434-47	SW-3	8260B
L872434-48	SW-4	8260B
L872434-49	SW-7	8260B
L872434-50	SW-8	8260B
L872434-51	SW-9	8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 02:27	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 02:27	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 02:27	WG926237
Benzene	ND		0.00100	1	11/15/2016 02:27	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 02:27	WG926237
Bromoform	ND		0.00100	1	11/15/2016 02:27	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 02:27	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 02:27	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 02:27	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 02:27	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 02:27	WG926237
Chloroform	ND		0.00500	1	11/15/2016 02:27	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 02:27	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 02:27	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 02:27	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 02:27	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 02:27	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 02:27	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 02:27	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 02:27	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 02:27	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 02:27	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 02:27	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 02:27	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 02:27	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 02:27	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 02:27	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 02:27	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 02:27	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 02:27	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 02:27	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 02:27	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 02:27	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 02:27	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 02:27	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 02:27	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 02:27	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 02:27	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
Styrene	ND		0.00100	1	11/15/2016 02:27	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 02:27	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 02:27	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 02:27	WG926237
Toluene	ND		0.00500	1	11/15/2016 02:27	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 02:27	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 02:27	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 02:27	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 02:27	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 02:27	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 02:27	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 02:27	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 02:27	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 02:27	WG926237
(S) Toluene-d8	*109*		*90.0-115*		*11/15/2016 02:27*	WG926237
(S) Dibromofluoromethane	*99.4*		*79.0-121*		*11/15/2016 02:27*	WG926237
(S) 4-Bromofluorobenzene	*99.0*		*80.1-120*		*11/15/2016 02:27*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 16:44	WG926722
(S) Toluene-d8	*93.7*		*70.0-130*		*11/15/2016 16:44*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 02:47	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 02:47	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 02:47	WG926237
Benzene	ND		0.00100	1	11/15/2016 02:47	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 02:47	WG926237
Bromoform	ND		0.00100	1	11/15/2016 02:47	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 02:47	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 02:47	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 02:47	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 02:47	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 02:47	WG926237
Chloroform	ND		0.00500	1	11/15/2016 02:47	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 02:47	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 02:47	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 02:47	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 02:47	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 02:47	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 02:47	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 02:47	WG926237
1,1-Dichloroethane	0.0170		0.00500	1	11/15/2016 02:47	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 02:47	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 02:47	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 02:47	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 02:47	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 02:47	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 02:47	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 02:47	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 02:47	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 02:47	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 02:47	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 02:47	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 02:47	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 02:47	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 02:47	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 02:47	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 02:47	WG926237
Methyl tert-butyl ether	0.00145		0.00100	1	11/15/2016 02:47	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 02:47	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
Styrene	ND		0.00100	1	11/15/2016 02:47	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 02:47	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 02:47	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 02:47	WG926237
Toluene	ND		0.00500	1	11/15/2016 02:47	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 02:47	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 02:47	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 02:47	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 02:47	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 02:47	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 02:47	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 02:47	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 02:47	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 02:47	WG926237
(S) Toluene-d8	*109*		*90.0-115*		*11/15/2016 02:47*	WG926237
(S) Dibromofluoromethane	*100*		*79.0-121*		*11/15/2016 02:47*	WG926237
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*11/15/2016 02:47*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 17:03	WG926722
(S) Toluene-d8	*93.8*		*70.0-130*		*11/15/2016 17:03*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 03:08	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 03:08	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 03:08	WG926237
Benzene	ND		0.00100	1	11/15/2016 03:08	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 03:08	WG926237
Bromoform	ND		0.00100	1	11/15/2016 03:08	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 03:08	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 03:08	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 03:08	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 03:08	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 03:08	WG926237
Chloroform	ND		0.00500	1	11/15/2016 03:08	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 03:08	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 03:08	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 03:08	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 03:08	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 03:08	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 03:08	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 03:08	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 03:08	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 03:08	WG926237
1,1-Dichloroethene	0.0126		0.00500	1	11/15/2016 03:08	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 03:08	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 03:08	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 03:08	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 03:08	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 03:08	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 03:08	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 03:08	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 03:08	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 03:08	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 03:08	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 03:08	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 03:08	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 03:08	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 03:08	WG926237
Methyl tert-butyl ether	0.00325		0.00100	1	11/15/2016 03:08	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 03:08	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
Styrene	ND		0.00100	1	11/15/2016 03:08	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 03:08	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 03:08	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 03:08	WG926237
Toluene	ND		0.00500	1	11/15/2016 03:08	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 03:08	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	0.0302		0.00500	1	11/15/2016 03:08	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 03:08	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 03:08	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 03:08	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 03:08	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 03:08	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 03:08	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 03:08	WG926237
(S) Toluene-d8	*109*		*90.0-115*		*11/15/2016 03:08*	WG926237
(S) Dibromofluoromethane	*102*		*79.0-121*		*11/15/2016 03:08*	WG926237
(S) 4-Bromofluorobenzene	*99.0*		*80.1-120*		*11/15/2016 03:08*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 17:23	WG926722
(S) Toluene-d8	*100*		*70.0-130*		*11/15/2016 17:23*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 03:29	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 03:29	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 03:29	WG926237
Benzene	ND		0.00100	1	11/15/2016 03:29	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 03:29	WG926237
Bromoform	ND		0.00100	1	11/15/2016 03:29	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 03:29	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 03:29	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 03:29	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 03:29	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 03:29	WG926237
Chloroform	ND		0.00500	1	11/15/2016 03:29	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 03:29	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 03:29	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 03:29	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 03:29	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 03:29	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 03:29	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 03:29	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 03:29	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 03:29	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 03:29	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 03:29	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 03:29	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 03:29	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 03:29	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 03:29	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 03:29	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 03:29	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 03:29	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 03:29	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 03:29	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 03:29	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 03:29	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 03:29	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 03:29	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 03:29	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 03:29	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
Styrene	ND		0.00100	1	11/15/2016 03:29	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 03:29	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 03:29	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 03:29	WG926237
Toluene	ND		0.00500	1	11/15/2016 03:29	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 03:29	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 03:29	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 03:29	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 03:29	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 03:29	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 03:29	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 03:29	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 03:29	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 03:29	WG926237
(S) Toluene-d8	*107*		*90.0-115*		*11/15/2016 03:29*	WG926237
(S) Dibromofluoromethane	*98.6*		*79.0-121*		*11/15/2016 03:29*	WG926237
(S) 4-Bromofluorobenzene	*99.5*		*80.1-120*		*11/15/2016 03:29*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 17:42	WG926722
(S) Toluene-d8	*93.7*		*70.0-130*		*11/15/2016 17:42*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 03:49	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 03:49	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 03:49	WG926237
Benzene	ND		0.00100	1	11/15/2016 03:49	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 03:49	WG926237
Bromoform	ND		0.00100	1	11/15/2016 03:49	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 03:49	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 03:49	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 03:49	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 03:49	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 03:49	WG926237
Chloroform	ND		0.00500	1	11/15/2016 03:49	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 03:49	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 03:49	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 03:49	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 03:49	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 03:49	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 03:49	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 03:49	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 03:49	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 03:49	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 03:49	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 03:49	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 03:49	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 03:49	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 03:49	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 03:49	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 03:49	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 03:49	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 03:49	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 03:49	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 03:49	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 03:49	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 03:49	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 03:49	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 03:49	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 03:49	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 03:49	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
Styrene	ND		0.00100	1	11/15/2016 03:49	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 03:49	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 03:49	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 03:49	WG926237
Toluene	ND		0.00500	1	11/15/2016 03:49	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 03:49	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 03:49	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 03:49	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 03:49	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 03:49	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 03:49	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 03:49	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 03:49	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 03:49	WG926237
(S) Toluene-d8	*107*		*90.0-115*		*11/15/2016 03:49*	WG926237
(S) Dibromofluoromethane	*98.8*		*79.0-121*		*11/15/2016 03:49*	WG926237
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*11/15/2016 03:49*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 18:02	WG926722
(S) Toluene-d8	*100*		*70.0-130*		*11/15/2016 18:02*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 04:10	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 04:10	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 04:10	WG926237
Benzene	ND		0.00100	1	11/15/2016 04:10	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 04:10	WG926237
Bromoform	ND		0.00100	1	11/15/2016 04:10	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 04:10	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 04:10	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 04:10	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 04:10	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 04:10	WG926237
Chloroform	ND		0.00500	1	11/15/2016 04:10	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 04:10	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 04:10	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 04:10	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 04:10	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 04:10	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 04:10	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 04:10	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 04:10	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 04:10	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 04:10	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 04:10	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 04:10	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 04:10	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 04:10	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 04:10	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 04:10	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 04:10	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 04:10	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 04:10	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 04:10	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 04:10	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 04:10	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 04:10	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 04:10	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 04:10	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 04:10	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
Styrene	ND		0.00100	1	11/15/2016 04:10	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 04:10	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 04:10	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 04:10	WG926237
Toluene	ND		0.00500	1	11/15/2016 04:10	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 04:10	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 04:10	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 04:10	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 04:10	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 04:10	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 04:10	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 04:10	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 04:10	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 04:10	WG926237
(S) Toluene-d8	*110*		*90.0-115*		*11/15/2016 04:10*	WG926237
(S) Dibromofluoromethane	*98.4*		*79.0-121*		*11/15/2016 04:10*	WG926237
(S) 4-Bromofluorobenzene	*100*		*80.1-120*		*11/15/2016 04:10*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 18:21	WG926722
(S) Toluene-d8	*100*		*70.0-130*		*11/15/2016 18:21*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 07:58	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 07:58	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 07:58	WG926237
Benzene	ND		0.00100	1	11/15/2016 07:58	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 07:58	WG926237
Bromoform	ND		0.00100	1	11/15/2016 07:58	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 07:58	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 07:58	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 07:58	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 07:58	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 07:58	WG926237
Chloroform	ND		0.00500	1	11/15/2016 07:58	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 07:58	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 07:58	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 07:58	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 07:58	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 07:58	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 07:58	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 07:58	WG926237
1,1-Dichloroethane	0.276		0.250	250	11/16/2016 19:02	WG926237
1,2-Dichloroethane	0.0166		0.00500	1	11/15/2016 07:58	WG926237
1,1-Dichloroethene	4.61		0.250	250	11/16/2016 19:02	WG926237
cis-1,2-Dichloroethene	0.0564		0.00500	1	11/15/2016 07:58	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 07:58	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 07:58	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 07:58	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 07:58	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 07:58	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 07:58	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 07:58	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 07:58	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 07:58	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 07:58	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 07:58	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 07:58	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 07:58	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 07:58	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 07:58	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
Styrene	ND		0.00100	1	11/15/2016 07:58	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 07:58	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 07:58	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 07:58	WG926237
Toluene	0.0547		0.00500	1	11/15/2016 07:58	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 07:58	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	2.01		0.250	250	11/16/2016 19:02	WG926237
1,1,2-Trichloroethane	0.0278		0.00500	1	11/15/2016 07:58	WG926237
Trichloroethene	0.118		0.00500	1	11/15/2016 07:58	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 07:58	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 07:58	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 07:58	WG926237
Vinyl chloride	0.0221		0.00200	1	11/15/2016 07:58	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 07:58	WG926237
(S) Toluene-d8	*106*		*90.0-115*		*11/15/2016 07:58*	WG926237
(S) Toluene-d8	*99.8*		*90.0-115*		*11/16/2016 19:02*	WG926237
(S) Dibromofluoromethane	*90.6*		*79.0-121*		*11/16/2016 19:02*	WG926237
(S) Dibromofluoromethane	*109*		*79.0-121*		*11/15/2016 07:58*	WG926237
(S) 4-Bromofluorobenzene	*97.7*		*80.1-120*		*11/15/2016 07:58*	WG926237
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/16/2016 19:02*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 18:41	WG926722
(S) Toluene-d8	*98.9*		*70.0-130*		*11/15/2016 18:41*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 04:30	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 04:30	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 04:30	WG926237
Benzene	ND		0.00100	1	11/15/2016 04:30	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 04:30	WG926237
Bromoform	ND		0.00100	1	11/15/2016 04:30	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 04:30	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 04:30	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 04:30	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 04:30	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 04:30	WG926237
Chloroform	ND		0.00500	1	11/15/2016 04:30	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 04:30	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 04:30	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 04:30	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 04:30	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 04:30	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 04:30	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 04:30	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 04:30	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 04:30	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 04:30	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 04:30	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 04:30	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 04:30	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 04:30	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 04:30	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 04:30	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 04:30	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 04:30	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 04:30	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 04:30	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 04:30	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 04:30	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 04:30	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 04:30	WG926237
Methyl tert-butyl ether	0.00174		0.00100	1	11/15/2016 04:30	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 04:30	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
Styrene	ND		0.00100	1	11/15/2016 04:30	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 04:30	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 04:30	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 04:30	WG926237
Toluene	ND		0.00500	1	11/15/2016 04:30	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 04:30	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 04:30	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 04:30	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 04:30	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 04:30	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 04:30	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 04:30	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 04:30	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 04:30	WG926237
(S) Toluene-d8	*108*		*90.0-115*		*11/15/2016 04:30*	WG926237
(S) Dibromofluoromethane	*99.1*		*79.0-121*		*11/15/2016 04:30*	WG926237
(S) 4-Bromofluorobenzene	*102*		*80.1-120*		*11/15/2016 04:30*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 19:00	WG926722
(S) Toluene-d8	*93.9*		*70.0-130*		*11/15/2016 19:00*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 04:51	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 04:51	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 04:51	WG926237
Benzene	ND		0.00100	1	11/15/2016 04:51	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 04:51	WG926237
Bromoform	ND		0.00100	1	11/15/2016 04:51	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 04:51	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 04:51	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 04:51	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 04:51	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 04:51	WG926237
Chloroform	ND		0.00500	1	11/15/2016 04:51	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 04:51	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 04:51	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 04:51	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 04:51	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 04:51	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 04:51	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 04:51	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 04:51	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 04:51	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 04:51	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 04:51	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 04:51	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 04:51	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 04:51	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 04:51	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 04:51	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 04:51	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 04:51	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 04:51	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 04:51	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 04:51	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 04:51	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 04:51	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 04:51	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 04:51	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 04:51	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
Styrene	ND		0.00100	1	11/15/2016 04:51	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 04:51	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 04:51	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 04:51	WG926237
Toluene	ND		0.00500	1	11/15/2016 04:51	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 04:51	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 04:51	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 04:51	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 04:51	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 04:51	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 04:51	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 04:51	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 04:51	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 04:51	WG926237
(S) Toluene-d8	*107*		*90.0-115*		*11/15/2016 04:51*	WG926237
(S) Dibromofluoromethane	*102*		*79.0-121*		*11/15/2016 04:51*	WG926237
(S) 4-Bromofluorobenzene	*100*		*80.1-120*		*11/15/2016 04:51*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 19:19	WG926722
(S) Toluene-d8	*100*		*70.0-130*		*11/15/2016 19:19*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 05:12	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 05:12	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 05:12	WG926237
Benzene	ND		0.00100	1	11/15/2016 05:12	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 05:12	WG926237
Bromoform	ND		0.00100	1	11/15/2016 05:12	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 05:12	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 05:12	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 05:12	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 05:12	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 05:12	WG926237
Chloroform	ND		0.00500	1	11/15/2016 05:12	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 05:12	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 05:12	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 05:12	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 05:12	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 05:12	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 05:12	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 05:12	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 05:12	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 05:12	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 05:12	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 05:12	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 05:12	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 05:12	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 05:12	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 05:12	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 05:12	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 05:12	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 05:12	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 05:12	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 05:12	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 05:12	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 05:12	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 05:12	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 05:12	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 05:12	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 05:12	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
Styrene	ND		0.00100	1	11/15/2016 05:12	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 05:12	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 05:12	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 05:12	WG926237
Toluene	ND		0.00500	1	11/15/2016 05:12	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 05:12	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 05:12	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 05:12	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 05:12	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 05:12	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 05:12	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 05:12	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 05:12	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 05:12	WG926237
(S) Toluene-d8	*109*		*90.0-115*		*11/15/2016 05:12*	WG926237
(S) Dibromofluoromethane	*98.7*		*79.0-121*		*11/15/2016 05:12*	WG926237
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*11/15/2016 05:12*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 19:39	WG926722
(S) Toluene-d8	*94.0*		*70.0-130*		*11/15/2016 19:39*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 05:32	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 05:32	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 05:32	WG926237
Benzene	ND		0.00100	1	11/15/2016 05:32	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 05:32	WG926237
Bromoform	ND		0.00100	1	11/15/2016 05:32	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 05:32	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 05:32	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 05:32	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 05:32	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 05:32	WG926237
Chloroform	ND		0.00500	1	11/15/2016 05:32	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 05:32	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 05:32	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 05:32	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 05:32	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 05:32	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 05:32	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 05:32	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 05:32	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 05:32	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 05:32	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 05:32	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 05:32	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 05:32	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 05:32	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 05:32	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 05:32	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 05:32	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 05:32	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 05:32	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 05:32	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 05:32	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 05:32	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 05:32	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 05:32	WG926237
Methyl tert-butyl ether	0.00109		0.00100	1	11/15/2016 05:32	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 05:32	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
Styrene	ND		0.00100	1	11/15/2016 05:32	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 05:32	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 05:32	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 05:32	WG926237
Toluene	ND		0.00500	1	11/15/2016 05:32	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 05:32	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 05:32	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 05:32	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 05:32	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 05:32	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 05:32	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 05:32	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 05:32	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 05:32	WG926237
(S) Toluene-d8	*107*		*90.0-115*		*11/15/2016 05:32*	WG926237
(S) Dibromofluoromethane	*97.8*		*79.0-121*		*11/15/2016 05:32*	WG926237
(S) 4-Bromofluorobenzene	*98.3*		*80.1-120*		*11/15/2016 05:32*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 19:58	WG926722
(S) Toluene-d8	*101*		*70.0-130*		*11/15/2016 19:58*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 05:54	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 05:54	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 05:54	WG926237
Benzene	ND		0.00100	1	11/15/2016 05:54	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 05:54	WG926237
Bromoform	ND		0.00100	1	11/15/2016 05:54	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 05:54	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 05:54	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 05:54	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 05:54	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 05:54	WG926237
Chloroform	ND		0.00500	1	11/15/2016 05:54	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 05:54	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 05:54	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 05:54	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 05:54	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 05:54	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 05:54	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 05:54	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 05:54	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 05:54	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 05:54	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 05:54	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 05:54	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 05:54	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 05:54	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 05:54	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 05:54	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 05:54	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 05:54	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 05:54	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 05:54	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
p-Isopropyltoluene	0.00248		0.00100	1	11/15/2016 05:54	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 05:54	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 05:54	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 05:54	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 05:54	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 05:54	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
Styrene	ND		0.00100	1	11/15/2016 05:54	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 05:54	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 05:54	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 05:54	WG926237
Toluene	ND		0.00500	1	11/15/2016 05:54	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 05:54	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 05:54	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 05:54	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 05:54	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 05:54	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 05:54	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 05:54	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 05:54	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 05:54	WG926237
(S) Toluene-d8	*108*		*90.0-115*		*11/15/2016 05:54*	WG926237
(S) Dibromofluoromethane	*98.7*		*79.0-121*		*11/15/2016 05:54*	WG926237
(S) 4-Bromofluorobenzene	*98.9*		*80.1-120*		*11/15/2016 05:54*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 20:18	WG926722
(S) Toluene-d8	*100*		*70.0-130*		*11/15/2016 20:18*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 06:14	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 06:14	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 06:14	WG926237
Benzene	ND		0.00100	1	11/15/2016 06:14	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 06:14	WG926237
Bromoform	ND		0.00100	1	11/15/2016 06:14	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 06:14	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 06:14	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 06:14	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 06:14	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 06:14	WG926237
Chloroform	ND		0.00500	1	11/15/2016 06:14	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 06:14	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 06:14	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 06:14	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 06:14	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 06:14	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 06:14	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 06:14	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 06:14	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 06:14	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 06:14	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 06:14	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 06:14	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 06:14	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 06:14	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 06:14	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 06:14	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 06:14	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 06:14	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 06:14	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 06:14	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 06:14	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 06:14	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 06:14	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 06:14	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 06:14	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 06:14	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
Styrene	ND		0.00100	1	11/15/2016 06:14	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 06:14	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 06:14	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 06:14	WG926237
Toluene	ND		0.00500	1	11/15/2016 06:14	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 06:14	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 06:14	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 06:14	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 06:14	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 06:14	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 06:14	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 06:14	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 06:14	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 06:14	WG926237
(S) Toluene-d8	*110*		*90.0-115*		*11/15/2016 06:14*	WG926237
(S) Dibromofluoromethane	*99.4*		*79.0-121*		*11/15/2016 06:14*	WG926237
(S) 4-Bromofluorobenzene	*97.0*		*80.1-120*		*11/15/2016 06:14*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 20:37	WG926722
(S) Toluene-d8	*101*		*70.0-130*		*11/15/2016 20:37*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 06:35	WG926237
Acrolein	ND	J4	0.0500	1	11/15/2016 06:35	WG926237
Acrylonitrile	ND		0.0100	1	11/15/2016 06:35	WG926237
Benzene	ND		0.00100	1	11/15/2016 06:35	WG926237
Bromobenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
Bromodichloromethane	ND		0.00100	1	11/15/2016 06:35	WG926237
Bromoform	ND		0.00100	1	11/15/2016 06:35	WG926237
Bromomethane	ND		0.00500	1	11/15/2016 06:35	WG926237
n-Butylbenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
sec-Butylbenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
tert-Butylbenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
Carbon tetrachloride	ND		0.00100	1	11/15/2016 06:35	WG926237
Chlorobenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
Chlorodibromomethane	ND		0.00100	1	11/15/2016 06:35	WG926237
Chloroethane	ND		0.00500	1	11/15/2016 06:35	WG926237
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 06:35	WG926237
Chloroform	ND		0.00500	1	11/15/2016 06:35	WG926237
Chloromethane	ND		0.00250	1	11/15/2016 06:35	WG926237
2-Chlorotoluene	ND		0.00100	1	11/15/2016 06:35	WG926237
4-Chlorotoluene	ND		0.00100	1	11/15/2016 06:35	WG926237
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 06:35	WG926237
1,2-Dibromoethane	ND		0.00100	1	11/15/2016 06:35	WG926237
Dibromomethane	ND		0.00100	1	11/15/2016 06:35	WG926237
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 06:35	WG926237
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 06:35	WG926237
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 06:35	WG926237
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 06:35	WG926237
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 06:35	WG926237
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 06:35	WG926237
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 06:35	WG926237
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 06:35	WG926237
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 06:35	WG926237
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 06:35	WG926237
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 06:35	WG926237
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 06:35	WG926237
Di-isopropyl ether	ND		0.00100	1	11/15/2016 06:35	WG926237
Ethylbenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 06:35	WG926237
Isopropylbenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 06:35	WG926237
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 06:35	WG926237
Methylene Chloride	ND		0.00500	1	11/15/2016 06:35	WG926237
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 06:35	WG926237
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 06:35	WG926237
Naphthalene	ND		0.00500	1	11/15/2016 06:35	WG926237
n-Propylbenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
Styrene	ND		0.00100	1	11/15/2016 06:35	WG926237
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 06:35	WG926237
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 06:35	WG926237
Tetrachloroethene	ND		0.00500	1	11/15/2016 06:35	WG926237
Toluene	ND		0.00500	1	11/15/2016 06:35	WG926237
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 06:35	WG926237

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 06:35	WG926237
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 06:35	WG926237
Trichloroethene	ND		0.00500	1	11/15/2016 06:35	WG926237
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 06:35	WG926237
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 06:35	WG926237
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 06:35	WG926237
Vinyl chloride	ND		0.00200	1	11/15/2016 06:35	WG926237
Xylenes, Total	ND		0.00300	1	11/15/2016 06:35	WG926237
(S) Toluene-d8	*108*		*90.0-115*		*11/15/2016 06:35*	WG926237
(S) Dibromofluoromethane	*101*		*79.0-121*		*11/15/2016 06:35*	WG926237
(S) 4-Bromofluorobenzene	*100*		*80.1-120*		*11/15/2016 06:35*	WG926237

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 20:56	WG926722
(S) Toluene-d8	*100*		*70.0-130*		*11/15/2016 20:56*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 22:14	WG926240
Acrolein	ND		0.0500	1	11/15/2016 22:14	WG926240
Acrylonitrile	ND		0.0100	1	11/15/2016 22:14	WG926240
Benzene	ND		0.00100	1	11/15/2016 22:14	WG926240
Bromobenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
Bromodichloromethane	ND		0.00100	1	11/15/2016 22:14	WG926240
Bromoform	ND	J4	0.00100	1	11/15/2016 22:14	WG926240
Bromomethane	ND		0.00500	1	11/15/2016 22:14	WG926240
n-Butylbenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
sec-Butylbenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
tert-Butylbenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
Carbon tetrachloride	ND		0.00100	1	11/15/2016 22:14	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/15/2016 22:14	WG926240
Chlorodibromomethane	ND		0.00100	1	11/15/2016 22:14	WG926240
Chloroethane	ND		0.00500	1	11/15/2016 22:14	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 22:14	WG926240
Chloroform	ND		0.00500	1	11/15/2016 22:14	WG926240
Chloromethane	ND		0.00250	1	11/15/2016 22:14	WG926240
2-Chlorotoluene	ND		0.00100	1	11/15/2016 22:14	WG926240
4-Chlorotoluene	ND		0.00100	1	11/15/2016 22:14	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 22:14	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/15/2016 22:14	WG926240
Dibromomethane	ND		0.00100	1	11/15/2016 22:14	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 22:14	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 22:14	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 22:14	WG926240
1,1-Dichloroethene	0.120		0.00500	1	11/15/2016 22:14	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 22:14	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 22:14	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 22:14	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 22:14	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 22:14	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 22:14	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 22:14	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 22:14	WG926240
Di-isopropyl ether	ND		0.00100	1	11/15/2016 22:14	WG926240
Ethylbenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 22:14	WG926240
Isopropylbenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 22:14	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 22:14	WG926240
Methylene Chloride	ND		0.00500	1	11/15/2016 22:14	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 22:14	WG926240
Methyl tert-butyl ether	0.00128		0.00100	1	11/15/2016 22:14	WG926240
Naphthalene	ND		0.00500	1	11/15/2016 22:14	WG926240
n-Propylbenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
Styrene	ND	J4	0.00100	1	11/15/2016 22:14	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 22:14	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 22:14	WG926240
Tetrachloroethene	ND		0.00500	1	11/15/2016 22:14	WG926240
Toluene	ND		0.00500	1	11/15/2016 22:14	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 22:14	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 22:14	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 22:14	WG926240
Trichloroethene	ND		0.00500	1	11/15/2016 22:14	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 22:14	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 22:14	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 22:14	WG926240
Vinyl chloride	ND		0.00200	1	11/15/2016 22:14	WG926240
Xylenes, Total	ND		0.00300	1	11/15/2016 22:14	WG926240
(S) Toluene-d8	*99.7*		*90.0-115*		*11/15/2016 22:14*	WG926240
(S) Dibromofluoromethane	*96.1*		*79.0-121*		*11/15/2016 22:14*	WG926240
(S) 4-Bromofluorobenzene	*111*		*80.1-120*		*11/15/2016 22:14*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 21:15	WG926722
(S) Toluene-d8	*100*		*70.0-130*		*11/15/2016 21:15*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 22:36	WG926240
Acrolein	ND		0.0500	1	11/15/2016 22:36	WG926240
Acrylonitrile	ND		0.0100	1	11/15/2016 22:36	WG926240
Benzene	ND		0.00100	1	11/15/2016 22:36	WG926240
Bromobenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
Bromodichloromethane	ND		0.00100	1	11/15/2016 22:36	WG926240
Bromoform	ND	J4	0.00100	1	11/15/2016 22:36	WG926240
Bromomethane	ND		0.00500	1	11/15/2016 22:36	WG926240
n-Butylbenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
sec-Butylbenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
tert-Butylbenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
Carbon tetrachloride	ND		0.00100	1	11/15/2016 22:36	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/15/2016 22:36	WG926240
Chlorodibromomethane	ND		0.00100	1	11/15/2016 22:36	WG926240
Chloroethane	ND		0.00500	1	11/15/2016 22:36	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 22:36	WG926240
Chloroform	ND		0.00500	1	11/15/2016 22:36	WG926240
Chloromethane	ND		0.00250	1	11/15/2016 22:36	WG926240
2-Chlorotoluene	ND		0.00100	1	11/15/2016 22:36	WG926240
4-Chlorotoluene	ND		0.00100	1	11/15/2016 22:36	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 22:36	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/15/2016 22:36	WG926240
Dibromomethane	ND		0.00100	1	11/15/2016 22:36	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 22:36	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 22:36	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 22:36	WG926240
1,1-Dichloroethene	0.161		0.0100	10	11/17/2016 04:45	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 22:36	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 22:36	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 22:36	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 22:36	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 22:36	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 22:36	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 22:36	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 22:36	WG926240
Di-isopropyl ether	ND		0.00100	1	11/15/2016 22:36	WG926240
Ethylbenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 22:36	WG926240
Isopropylbenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 22:36	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 22:36	WG926240
Methylene Chloride	ND		0.00500	1	11/15/2016 22:36	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 22:36	WG926240
Methyl tert-butyl ether	0.00108		0.00100	1	11/15/2016 22:36	WG926240
Naphthalene	ND		0.00500	1	11/15/2016 22:36	WG926240
n-Propylbenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
Styrene	ND	J4	0.00100	1	11/15/2016 22:36	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 22:36	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 22:36	WG926240
Tetrachloroethene	ND		0.00500	1	11/15/2016 22:36	WG926240
Toluene	ND		0.00500	1	11/15/2016 22:36	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 22:36	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	0.0714		0.00500	1	11/15/2016 22:36	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 22:36	WG926240
Trichloroethene	ND		0.00500	1	11/15/2016 22:36	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 22:36	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 22:36	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 22:36	WG926240
Vinyl chloride	ND		0.00200	1	11/15/2016 22:36	WG926240
Xylenes, Total	ND		0.00300	1	11/15/2016 22:36	WG926240
(S) Toluene-d8	*99.1*		*90.0-115*		*11/15/2016 22:36*	WG926240
(S) Toluene-d8	*99.5*		*90.0-115*		*11/17/2016 04:45*	WG926240
(S) Dibromofluoromethane	*87.9*		*79.0-121*		*11/17/2016 04:45*	WG926240
(S) Dibromofluoromethane	*93.2*		*79.0-121*		*11/15/2016 22:36*	WG926240
(S) 4-Bromofluorobenzene	*110*		*80.1-120*		*11/15/2016 22:36*	WG926240
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/17/2016 04:45*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 21:35	WG926722
(S) Toluene-d8	*93.0*		*70.0-130*		*11/15/2016 21:35*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 22:58	WG926240
Acrolein	ND		0.0500	1	11/15/2016 22:58	WG926240
Acrylonitrile	ND		0.0100	1	11/15/2016 22:58	WG926240
Benzene	ND		0.00100	1	11/15/2016 22:58	WG926240
Bromobenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
Bromodichloromethane	ND		0.00100	1	11/15/2016 22:58	WG926240
Bromoform	ND	J4	0.00100	1	11/15/2016 22:58	WG926240
Bromomethane	ND		0.00500	1	11/15/2016 22:58	WG926240
n-Butylbenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
sec-Butylbenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
tert-Butylbenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
Carbon tetrachloride	ND		0.00100	1	11/15/2016 22:58	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/15/2016 22:58	WG926240
Chlorodibromomethane	ND		0.00100	1	11/15/2016 22:58	WG926240
Chloroethane	ND		0.00500	1	11/15/2016 22:58	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 22:58	WG926240
Chloroform	ND		0.00500	1	11/15/2016 22:58	WG926240
Chloromethane	ND		0.00250	1	11/15/2016 22:58	WG926240
2-Chlorotoluene	ND		0.00100	1	11/15/2016 22:58	WG926240
4-Chlorotoluene	ND		0.00100	1	11/15/2016 22:58	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 22:58	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/15/2016 22:58	WG926240
Dibromomethane	ND		0.00100	1	11/15/2016 22:58	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 22:58	WG926240
1,1-Dichloroethane	0.0125		0.00500	1	11/15/2016 22:58	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 22:58	WG926240
1,1-Dichloroethene	0.144		0.0100	10	11/17/2016 04:57	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 22:58	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 22:58	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 22:58	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 22:58	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 22:58	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 22:58	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 22:58	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 22:58	WG926240
Di-isopropyl ether	ND		0.00100	1	11/15/2016 22:58	WG926240
Ethylbenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 22:58	WG926240
Isopropylbenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 22:58	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 22:58	WG926240
Methylene Chloride	ND		0.00500	1	11/15/2016 22:58	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 22:58	WG926240
Methyl tert-butyl ether	0.00155		0.00100	1	11/15/2016 22:58	WG926240
Naphthalene	ND		0.00500	1	11/15/2016 22:58	WG926240
n-Propylbenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
Styrene	ND	J4	0.00100	1	11/15/2016 22:58	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 22:58	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 22:58	WG926240
Tetrachloroethene	ND		0.00500	1	11/15/2016 22:58	WG926240
Toluene	ND		0.00500	1	11/15/2016 22:58	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 22:58	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	0.0798		0.00500	1	11/15/2016 22:58	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 22:58	WG926240
Trichloroethene	ND		0.00500	1	11/15/2016 22:58	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 22:58	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 22:58	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 22:58	WG926240
Vinyl chloride	ND		0.00200	1	11/15/2016 22:58	WG926240
Xylenes, Total	ND		0.00300	1	11/15/2016 22:58	WG926240
(S) Toluene-d8	*97.7*		*90.0-115*		*11/15/2016 22:58*	WG926240
(S) Toluene-d8	*99.7*		*90.0-115*		*11/17/2016 04:57*	WG926240
(S) Dibromofluoromethane	*89.4*		*79.0-121*		*11/17/2016 04:57*	WG926240
(S) Dibromofluoromethane	*94.5*		*79.0-121*		*11/15/2016 22:58*	WG926240
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/15/2016 22:58*	WG926240
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 04:57*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/15/2016 21:54	WG926722
(S) Toluene-d8	*99.6*		*70.0-130*		*11/15/2016 21:54*	WG926722

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/15/2016 23:42	WG926240
Acrolein	ND		0.0500	1	11/15/2016 23:42	WG926240
Acrylonitrile	ND		0.0100	1	11/15/2016 23:42	WG926240
Benzene	ND		0.00100	1	11/15/2016 23:42	WG926240
Bromobenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
Bromodichloromethane	ND		0.00100	1	11/15/2016 23:42	WG926240
Bromoform	ND	J4	0.00100	1	11/15/2016 23:42	WG926240
Bromomethane	ND		0.00500	1	11/15/2016 23:42	WG926240
n-Butylbenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
sec-Butylbenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
tert-Butylbenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
Carbon tetrachloride	ND		0.00100	1	11/15/2016 23:42	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/15/2016 23:42	WG926240
Chlorodibromomethane	ND		0.00100	1	11/15/2016 23:42	WG926240
Chloroethane	ND		0.00500	1	11/15/2016 23:42	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/15/2016 23:42	WG926240
Chloroform	ND		0.00500	1	11/15/2016 23:42	WG926240
Chloromethane	ND		0.00250	1	11/15/2016 23:42	WG926240
2-Chlorotoluene	ND		0.00100	1	11/15/2016 23:42	WG926240
4-Chlorotoluene	ND		0.00100	1	11/15/2016 23:42	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/15/2016 23:42	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/15/2016 23:42	WG926240
Dibromomethane	ND		0.00100	1	11/15/2016 23:42	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/15/2016 23:42	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/15/2016 23:42	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/15/2016 23:42	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/15/2016 23:42	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 23:42	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/15/2016 23:42	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/15/2016 23:42	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/15/2016 23:42	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/15/2016 23:42	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 23:42	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/15/2016 23:42	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/15/2016 23:42	WG926240
Di-isopropyl ether	ND		0.00100	1	11/15/2016 23:42	WG926240
Ethylbenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/15/2016 23:42	WG926240
Isopropylbenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/15/2016 23:42	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/15/2016 23:42	WG926240
Methylene Chloride	ND		0.00500	1	11/15/2016 23:42	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/15/2016 23:42	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/15/2016 23:42	WG926240
Naphthalene	ND		0.00500	1	11/15/2016 23:42	WG926240
n-Propylbenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
Styrene	ND	J4	0.00100	1	11/15/2016 23:42	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/15/2016 23:42	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/15/2016 23:42	WG926240
Tetrachloroethene	ND		0.00500	1	11/15/2016 23:42	WG926240
Toluene	ND		0.00500	1	11/15/2016 23:42	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/15/2016 23:42	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/15/2016 23:42	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/15/2016 23:42	WG926240
Trichloroethene	ND		0.00500	1	11/15/2016 23:42	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/15/2016 23:42	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/15/2016 23:42	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/15/2016 23:42	WG926240
Vinyl chloride	ND		0.00200	1	11/15/2016 23:42	WG926240
Xylenes, Total	ND		0.00300	1	11/15/2016 23:42	WG926240
(S) Toluene-d8	*98.0*		*90.0-115*		*11/15/2016 23:42*	WG926240
(S) Dibromofluoromethane	*95.9*		*79.0-121*		*11/15/2016 23:42*	WG926240
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/15/2016 23:42*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 01:51	WG926724
(S) Toluene-d8	*100*		*70.0-130*		*11/16/2016 01:51*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 00:03	WG926240
Acrolein	ND		0.0500	1	11/16/2016 00:03	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 00:03	WG926240
Benzene	ND		0.00100	1	11/16/2016 00:03	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 00:03	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 00:03	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 00:03	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 00:03	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 00:03	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 00:03	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 00:03	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 00:03	WG926240
Chloroform	ND		0.00500	1	11/16/2016 00:03	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 00:03	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 00:03	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 00:03	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 00:03	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 00:03	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 00:03	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 00:03	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 00:03	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 00:03	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/16/2016 00:03	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 00:03	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 00:03	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 00:03	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 00:03	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 00:03	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 00:03	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 00:03	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 00:03	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 00:03	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 00:03	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 00:03	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 00:03	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 00:03	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 00:03	WG926240
Methyl tert-butyl ether	0.00158		0.00100	1	11/16/2016 00:03	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 00:03	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 00:03	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 00:03	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 00:03	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 00:03	WG926240
Toluene	ND		0.00500	1	11/16/2016 00:03	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 00:03	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 00:03	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 00:03	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 00:03	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 00:03	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 00:03	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 00:03	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 00:03	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 00:03	WG926240
(S) Toluene-d8	*98.6*		*90.0-115*		*11/16/2016 00:03*	WG926240
(S) Dibromofluoromethane	*94.7*		*79.0-121*		*11/16/2016 00:03*	WG926240
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/16/2016 00:03*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 02:11	WG926724
(S) Toluene-d8	*99.8*		*70.0-130*		*11/16/2016 02:11*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 00:25	WG926240
Acrolein	ND		0.0500	1	11/16/2016 00:25	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 00:25	WG926240
Benzene	ND		0.00100	1	11/16/2016 00:25	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 00:25	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 00:25	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 00:25	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 00:25	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 00:25	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 00:25	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 00:25	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 00:25	WG926240
Chloroform	ND		0.00500	1	11/16/2016 00:25	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 00:25	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 00:25	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 00:25	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 00:25	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 00:25	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 00:25	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 00:25	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 00:25	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 00:25	WG926240
1,1-Dichloroethene	0.290		0.0100	10	11/17/2016 05:10	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 00:25	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 00:25	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 00:25	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 00:25	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 00:25	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 00:25	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 00:25	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 00:25	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 00:25	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 00:25	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 00:25	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 00:25	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 00:25	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 00:25	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/16/2016 00:25	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 00:25	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 00:25	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 00:25	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 00:25	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 00:25	WG926240
Toluene	ND		0.00500	1	11/16/2016 00:25	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 00:25	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 00:25	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 00:25	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 00:25	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 00:25	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 00:25	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 00:25	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 00:25	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 00:25	WG926240
(S) Toluene-d8	*98.4*		*90.0-115*		*11/16/2016 00:25*	WG926240
(S) Toluene-d8	*100*		*90.0-115*		*11/17/2016 05:10*	WG926240
(S) Dibromofluoromethane	*89.4*		*79.0-121*		*11/17/2016 05:10*	WG926240
(S) Dibromofluoromethane	*94.8*		*79.0-121*		*11/16/2016 00:25*	WG926240
(S) 4-Bromofluorobenzene	*106*		*80.1-120*		*11/16/2016 00:25*	WG926240
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/17/2016 05:10*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 02:30	WG926724
(S) Toluene-d8	*99.6*		*70.0-130*		*11/16/2016 02:30*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 00:47	WG926240
Acrolein	ND		0.0500	1	11/16/2016 00:47	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 00:47	WG926240
Benzene	ND		0.00100	1	11/16/2016 00:47	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 00:47	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 00:47	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 00:47	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 00:47	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 00:47	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 00:47	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 00:47	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 00:47	WG926240
Chloroform	ND		0.00500	1	11/16/2016 00:47	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 00:47	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 00:47	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 00:47	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 00:47	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 00:47	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 00:47	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 00:47	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 00:47	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 00:47	WG926240
1,1-Dichloroethene	0.00278		0.00100	1	11/17/2016 05:22	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 00:47	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 00:47	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 00:47	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 00:47	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 00:47	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 00:47	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 00:47	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 00:47	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 00:47	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 00:47	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 00:47	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 00:47	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 00:47	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 00:47	WG926240
Methyl tert-butyl ether	0.00123		0.00100	1	11/16/2016 00:47	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 00:47	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 00:47	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 00:47	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 00:47	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 00:47	WG926240
Toluene	ND		0.00500	1	11/16/2016 00:47	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 00:47	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 00:47	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 00:47	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 00:47	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 00:47	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 00:47	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 00:47	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 00:47	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 00:47	WG926240
(S) Toluene-d8	*98.1*		*90.0-115*		*11/16/2016 00:47*	WG926240
(S) Toluene-d8	*100*		*90.0-115*		*11/17/2016 05:22*	WG926240
(S) Dibromofluoromethane	*89.6*		*79.0-121*		*11/17/2016 05:22*	WG926240
(S) Dibromofluoromethane	*94.9*		*79.0-121*		*11/16/2016 00:47*	WG926240
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/16/2016 00:47*	WG926240
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/17/2016 05:22*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 02:50	WG926724
(S) Toluene-d8	*99.7*		*70.0-130*		*11/16/2016 02:50*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 01:09	WG926240
Acrolein	ND		0.0500	1	11/16/2016 01:09	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 01:09	WG926240
Benzene	ND		0.00100	1	11/16/2016 01:09	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 01:09	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 01:09	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 01:09	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 01:09	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 01:09	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 01:09	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 01:09	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 01:09	WG926240
Chloroform	ND		0.00500	1	11/16/2016 01:09	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 01:09	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 01:09	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 01:09	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 01:09	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 01:09	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 01:09	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 01:09	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 01:09	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 01:09	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/16/2016 01:09	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 01:09	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 01:09	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 01:09	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 01:09	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 01:09	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 01:09	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 01:09	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 01:09	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 01:09	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 01:09	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 01:09	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 01:09	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 01:09	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 01:09	WG926240
Methyl tert-butyl ether	0.00237		0.00100	1	11/16/2016 01:09	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 01:09	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 01:09	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 01:09	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 01:09	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 01:09	WG926240
Toluene	ND		0.00500	1	11/16/2016 01:09	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 01:09	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 01:09	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 01:09	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 01:09	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 01:09	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 01:09	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 01:09	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 01:09	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 01:09	WG926240
(S) Toluene-d8	*98.7*		*90.0-115*		*11/16/2016 01:09*	WG926240
(S) Dibromofluoromethane	*95.7*		*79.0-121*		*11/16/2016 01:09*	WG926240
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/16/2016 01:09*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 03:09	WG926724
(S) Toluene-d8	*93.1*		*70.0-130*		*11/16/2016 03:09*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 01:31	WG926240
Acrolein	ND		0.0500	1	11/16/2016 01:31	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 01:31	WG926240
Benzene	ND		0.00100	1	11/16/2016 01:31	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 01:31	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 01:31	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 01:31	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 01:31	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 01:31	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 01:31	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 01:31	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 01:31	WG926240
Chloroform	ND		0.00500	1	11/16/2016 01:31	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 01:31	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 01:31	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 01:31	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 01:31	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 01:31	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 01:31	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 01:31	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 01:31	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 01:31	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/16/2016 01:31	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 01:31	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 01:31	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 01:31	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 01:31	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 01:31	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 01:31	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 01:31	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 01:31	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 01:31	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 01:31	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 01:31	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 01:31	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 01:31	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 01:31	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/16/2016 01:31	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 01:31	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 01:31	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 01:31	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 01:31	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 01:31	WG926240
Toluene	ND		0.00500	1	11/16/2016 01:31	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 01:31	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 01:31	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 01:31	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 01:31	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 01:31	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 01:31	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 01:31	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 01:31	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 01:31	WG926240
(S) Toluene-d8	*98.0*		*90.0-115*		*11/16/2016 01:31*	WG926240
(S) Dibromofluoromethane	*94.9*		*79.0-121*		*11/16/2016 01:31*	WG926240
(S) 4-Bromofluorobenzene	*106*		*80.1-120*		*11/16/2016 01:31*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 03:29	WG926724
(S) Toluene-d8	*99.8*		*70.0-130*		*11/16/2016 03:29*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 01:54	WG926240
Acrolein	ND		0.0500	1	11/16/2016 01:54	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 01:54	WG926240
Benzene	ND		0.00100	1	11/16/2016 01:54	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 01:54	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 01:54	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 01:54	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 01:54	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 01:54	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 01:54	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 01:54	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 01:54	WG926240
Chloroform	ND		0.00500	1	11/16/2016 01:54	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 01:54	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 01:54	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 01:54	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 01:54	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 01:54	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 01:54	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 01:54	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 01:54	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 01:54	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/16/2016 01:54	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 01:54	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 01:54	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 01:54	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 01:54	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 01:54	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 01:54	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 01:54	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 01:54	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 01:54	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 01:54	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 01:54	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 01:54	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 01:54	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 01:54	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/16/2016 01:54	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 01:54	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 01:54	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 01:54	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 01:54	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 01:54	WG926240
Toluene	ND		0.00500	1	11/16/2016 01:54	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 01:54	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 01:54	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 01:54	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 01:54	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 01:54	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 01:54	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 01:54	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 01:54	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 01:54	WG926240
(S) Toluene-d8	*98.0*		*90.0-115*		*11/16/2016 01:54*	WG926240
(S) Dibromofluoromethane	*96.7*		*79.0-121*		*11/16/2016 01:54*	WG926240
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/16/2016 01:54*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 03:49	WG926724
(S) Toluene-d8	*99.6*		*70.0-130*		*11/16/2016 03:49*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 02:16	WG926240
Acrolein	ND		0.0500	1	11/16/2016 02:16	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 02:16	WG926240
Benzene	ND		0.00100	1	11/16/2016 02:16	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 02:16	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 02:16	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 02:16	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 02:16	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 02:16	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 02:16	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 02:16	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 02:16	WG926240
Chloroform	ND		0.00500	1	11/16/2016 02:16	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 02:16	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 02:16	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 02:16	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 02:16	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 02:16	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 02:16	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 02:16	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 02:16	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 02:16	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/16/2016 02:16	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 02:16	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 02:16	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 02:16	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 02:16	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 02:16	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 02:16	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 02:16	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 02:16	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 02:16	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 02:16	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 02:16	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 02:16	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 02:16	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 02:16	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/16/2016 02:16	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 02:16	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 02:16	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 02:16	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 02:16	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 02:16	WG926240
Toluene	ND		0.00500	1	11/16/2016 02:16	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 02:16	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 02:16	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 02:16	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 02:16	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 02:16	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 02:16	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 02:16	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 02:16	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 02:16	WG926240
(S) Toluene-d8	*97.6*		*90.0-115*		*11/16/2016 02:16*	WG926240
(S) Dibromofluoromethane	*96.0*		*79.0-121*		*11/16/2016 02:16*	WG926240
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/16/2016 02:16*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 04:08	WG926724
(S) Toluene-d8	*99.7*		*70.0-130*		*11/16/2016 04:08*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 02:38	WG926240
Acrolein	ND		0.0500	1	11/16/2016 02:38	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 02:38	WG926240
Benzene	ND		0.00100	1	11/16/2016 02:38	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 02:38	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 02:38	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 02:38	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 02:38	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 02:38	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 02:38	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 02:38	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 02:38	WG926240
Chloroform	ND		0.00500	1	11/16/2016 02:38	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 02:38	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 02:38	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 02:38	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 02:38	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 02:38	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 02:38	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 02:38	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 02:38	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 02:38	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/16/2016 02:38	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 02:38	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 02:38	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 02:38	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 02:38	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 02:38	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 02:38	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 02:38	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 02:38	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 02:38	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 02:38	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 02:38	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 02:38	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 02:38	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 02:38	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/16/2016 02:38	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 02:38	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 02:38	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 02:38	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 02:38	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 02:38	WG926240
Toluene	ND		0.00500	1	11/16/2016 02:38	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 02:38	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 02:38	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 02:38	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 02:38	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 02:38	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 02:38	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 02:38	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 02:38	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 02:38	WG926240
(S) Toluene-d8	*97.5*		*90.0-115*		*11/16/2016 02:38*	WG926240
(S) Dibromofluoromethane	*94.3*		*79.0-121*		*11/16/2016 02:38*	WG926240
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/16/2016 02:38*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 04:27	WG926724
(S) Toluene-d8	*92.9*		*70.0-130*		*11/16/2016 04:27*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 03:00	WG926240
Acrolein	ND		0.0500	1	11/16/2016 03:00	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 03:00	WG926240
Benzene	ND		0.00100	1	11/16/2016 03:00	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 03:00	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 03:00	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 03:00	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 03:00	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 03:00	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 03:00	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 03:00	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 03:00	WG926240
Chloroform	ND		0.00500	1	11/16/2016 03:00	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 03:00	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 03:00	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 03:00	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 03:00	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 03:00	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 03:00	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 03:00	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 03:00	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 03:00	WG926240
1,1-Dichloroethene	0.117		0.00500	1	11/16/2016 03:00	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 03:00	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 03:00	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 03:00	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 03:00	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 03:00	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 03:00	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 03:00	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 03:00	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 03:00	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 03:00	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 03:00	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 03:00	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 03:00	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 03:00	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/16/2016 03:00	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 03:00	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 03:00	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 03:00	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 03:00	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 03:00	WG926240
Toluene	ND		0.00500	1	11/16/2016 03:00	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 03:00	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	0.0121		0.00500	1	11/16/2016 03:00	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 03:00	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 03:00	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 03:00	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 03:00	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 03:00	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 03:00	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 03:00	WG926240
(S) Toluene-d8	*98.9*		*90.0-115*		*11/16/2016 03:00*	WG926240
(S) Dibromofluoromethane	*94.9*		*79.0-121*		*11/16/2016 03:00*	WG926240
(S) 4-Bromofluorobenzene	*105*		*80.1-120*		*11/16/2016 03:00*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 04:47	WG926724
(S) Toluene-d8	*99.8*		*70.0-130*		*11/16/2016 04:47*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/16/2016 03:22	WG926240
Acrolein	ND		0.0500	1	11/16/2016 03:22	WG926240
Acrylonitrile	ND		0.0100	1	11/16/2016 03:22	WG926240
Benzene	ND		0.00100	1	11/16/2016 03:22	WG926240
Bromobenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
Bromodichloromethane	ND		0.00100	1	11/16/2016 03:22	WG926240
Bromoform	ND	J4	0.00100	1	11/16/2016 03:22	WG926240
Bromomethane	ND		0.00500	1	11/16/2016 03:22	WG926240
n-Butylbenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
sec-Butylbenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
tert-Butylbenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
Carbon tetrachloride	ND		0.00100	1	11/16/2016 03:22	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/16/2016 03:22	WG926240
Chlorodibromomethane	ND		0.00100	1	11/16/2016 03:22	WG926240
Chloroethane	ND		0.00500	1	11/16/2016 03:22	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/16/2016 03:22	WG926240
Chloroform	ND		0.00500	1	11/16/2016 03:22	WG926240
Chloromethane	ND		0.00250	1	11/16/2016 03:22	WG926240
2-Chlorotoluene	ND		0.00100	1	11/16/2016 03:22	WG926240
4-Chlorotoluene	ND		0.00100	1	11/16/2016 03:22	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/16/2016 03:22	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/16/2016 03:22	WG926240
Dibromomethane	ND		0.00100	1	11/16/2016 03:22	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/16/2016 03:22	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/16/2016 03:22	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/16/2016 03:22	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/16/2016 03:22	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 03:22	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/16/2016 03:22	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/16/2016 03:22	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/16/2016 03:22	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/16/2016 03:22	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 03:22	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/16/2016 03:22	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/16/2016 03:22	WG926240
Di-isopropyl ether	ND		0.00100	1	11/16/2016 03:22	WG926240
Ethylbenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/16/2016 03:22	WG926240
Isopropylbenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/16/2016 03:22	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/16/2016 03:22	WG926240
Methylene Chloride	ND		0.00500	1	11/16/2016 03:22	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/16/2016 03:22	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/16/2016 03:22	WG926240
Naphthalene	ND		0.00500	1	11/16/2016 03:22	WG926240
n-Propylbenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
Styrene	ND	J4	0.00100	1	11/16/2016 03:22	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/16/2016 03:22	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/16/2016 03:22	WG926240
Tetrachloroethene	ND		0.00500	1	11/16/2016 03:22	WG926240
Toluene	ND		0.00500	1	11/16/2016 03:22	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/16/2016 03:22	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/16/2016 03:22	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/16/2016 03:22	WG926240
Trichloroethene	ND		0.00500	1	11/16/2016 03:22	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/16/2016 03:22	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/16/2016 03:22	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/16/2016 03:22	WG926240
Vinyl chloride	ND		0.00200	1	11/16/2016 03:22	WG926240
Xylenes, Total	ND		0.00300	1	11/16/2016 03:22	WG926240
(S) Toluene-d8	*98.4*		*90.0-115*		*11/16/2016 03:22*	WG926240
(S) Dibromofluoromethane	*95.8*		*79.0-121*		*11/16/2016 03:22*	WG926240
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/16/2016 03:22*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 05:06	WG926724
(S) Toluene-d8	*99.5*		*70.0-130*		*11/16/2016 05:06*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 18:04	WG926240
Acrolein	ND		0.0500	1	11/17/2016 18:04	WG926240
Acrylonitrile	ND		0.0100	1	11/17/2016 18:04	WG926240
Benzene	ND		0.00100	1	11/17/2016 18:04	WG926240
Bromobenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
Bromodichloromethane	ND		0.00100	1	11/17/2016 18:04	WG926240
Bromoform	ND	J4	0.00100	1	11/17/2016 18:04	WG926240
Bromomethane	ND		0.00500	1	11/17/2016 18:04	WG926240
n-Butylbenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
sec-Butylbenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
tert-Butylbenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
Carbon tetrachloride	ND		0.00100	1	11/17/2016 18:04	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 18:04	WG926240
Chlorodibromomethane	ND		0.00100	1	11/17/2016 18:04	WG926240
Chloroethane	ND		0.00500	1	11/17/2016 18:04	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 18:04	WG926240
Chloroform	ND		0.00500	1	11/17/2016 18:04	WG926240
Chloromethane	ND		0.00250	1	11/17/2016 18:04	WG926240
2-Chlorotoluene	ND		0.00100	1	11/17/2016 18:04	WG926240
4-Chlorotoluene	ND		0.00100	1	11/17/2016 18:04	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 18:04	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 18:04	WG926240
Dibromomethane	ND		0.00100	1	11/17/2016 18:04	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 18:04	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 18:04	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 18:04	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 18:04	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 18:04	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 18:04	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 18:04	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 18:04	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 18:04	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 18:04	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 18:04	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 18:04	WG926240
Di-isopropyl ether	ND		0.00100	1	11/17/2016 18:04	WG926240
Ethylbenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 18:04	WG926240
Isopropylbenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 18:04	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 18:04	WG926240
Methylene Chloride	ND		0.00500	1	11/17/2016 18:04	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 18:04	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 18:04	WG926240
Naphthalene	ND		0.00500	1	11/17/2016 18:04	WG926240
n-Propylbenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
Styrene	ND	J4	0.00100	1	11/17/2016 18:04	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 18:04	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 18:04	WG926240
Tetrachloroethene	ND		0.00500	1	11/17/2016 18:04	WG926240
Toluene	ND		0.00500	1	11/17/2016 18:04	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 18:04	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 18:04	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 18:04	WG926240
Trichloroethene	ND		0.00500	1	11/17/2016 18:04	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 18:04	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 18:04	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 18:04	WG926240
Vinyl chloride	ND		0.00200	1	11/17/2016 18:04	WG926240
Xylenes, Total	ND		0.00300	1	11/17/2016 18:04	WG926240
(S) Toluene-d8	*104*		*90.0-115*		*11/17/2016 18:04*	WG926240
(S) Dibromofluoromethane	*101*		*79.0-121*		*11/17/2016 18:04*	WG926240
(S) 4-Bromofluorobenzene	*89.4*		*80.1-120*		*11/17/2016 18:04*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 05:26	WG926724
(S) Toluene-d8	*92.9*		*70.0-130*		*11/16/2016 05:26*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 18:27	WG926240
Acrolein	ND		0.0500	1	11/17/2016 18:27	WG926240
Acrylonitrile	ND		0.0100	1	11/17/2016 18:27	WG926240
Benzene	ND		0.00100	1	11/17/2016 18:27	WG926240
Bromobenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
Bromodichloromethane	ND		0.00100	1	11/17/2016 18:27	WG926240
Bromoform	ND	J4	0.00100	1	11/17/2016 18:27	WG926240
Bromomethane	ND		0.00500	1	11/17/2016 18:27	WG926240
n-Butylbenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
sec-Butylbenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
tert-Butylbenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
Carbon tetrachloride	ND		0.00100	1	11/17/2016 18:27	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 18:27	WG926240
Chlorodibromomethane	ND		0.00100	1	11/17/2016 18:27	WG926240
Chloroethane	ND		0.00500	1	11/17/2016 18:27	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 18:27	WG926240
Chloroform	ND		0.00500	1	11/17/2016 18:27	WG926240
Chloromethane	ND		0.00250	1	11/17/2016 18:27	WG926240
2-Chlorotoluene	ND		0.00100	1	11/17/2016 18:27	WG926240
4-Chlorotoluene	ND		0.00100	1	11/17/2016 18:27	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 18:27	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 18:27	WG926240
Dibromomethane	ND		0.00100	1	11/17/2016 18:27	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 18:27	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 18:27	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 18:27	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 18:27	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 18:27	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 18:27	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 18:27	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 18:27	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 18:27	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 18:27	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 18:27	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 18:27	WG926240
Di-isopropyl ether	ND		0.00100	1	11/17/2016 18:27	WG926240
Ethylbenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 18:27	WG926240
Isopropylbenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 18:27	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 18:27	WG926240
Methylene Chloride	ND		0.00500	1	11/17/2016 18:27	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 18:27	WG926240
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 18:27	WG926240
Naphthalene	ND		0.00500	1	11/17/2016 18:27	WG926240
n-Propylbenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
Styrene	ND	J4	0.00100	1	11/17/2016 18:27	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 18:27	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 18:27	WG926240
Tetrachloroethene	ND		0.00500	1	11/17/2016 18:27	WG926240
Toluene	ND		0.00500	1	11/17/2016 18:27	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 18:27	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 18:27	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 18:27	WG926240
Trichloroethene	ND		0.00500	1	11/17/2016 18:27	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 18:27	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 18:27	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 18:27	WG926240
Vinyl chloride	ND		0.00200	1	11/17/2016 18:27	WG926240
Xylenes, Total	ND		0.00300	1	11/17/2016 18:27	WG926240
(S) Toluene-d8	*100*		*90.0-115*		*11/17/2016 18:27*	WG926240
(S) Dibromofluoromethane	*104*		*79.0-121*		*11/17/2016 18:27*	WG926240
(S) 4-Bromofluorobenzene	*95.5*		*80.1-120*		*11/17/2016 18:27*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 05:45	WG926724
(S) Toluene-d8	*99.8*		*70.0-130*		*11/16/2016 05:45*	WG926724

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 18:49	WG926240
Acrolein	ND		0.0500	1	11/17/2016 18:49	WG926240
Acrylonitrile	ND		0.0100	1	11/17/2016 18:49	WG926240
Benzene	ND		0.00100	1	11/17/2016 18:49	WG926240
Bromobenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
Bromodichloromethane	ND		0.00100	1	11/17/2016 18:49	WG926240
Bromoform	ND	J4	0.00100	1	11/17/2016 18:49	WG926240
Bromomethane	ND		0.00500	1	11/17/2016 18:49	WG926240
n-Butylbenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
sec-Butylbenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
tert-Butylbenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
Carbon tetrachloride	ND		0.00100	1	11/17/2016 18:49	WG926240
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 18:49	WG926240
Chlorodibromomethane	ND		0.00100	1	11/17/2016 18:49	WG926240
Chloroethane	ND		0.00500	1	11/17/2016 18:49	WG926240
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 18:49	WG926240
Chloroform	ND		0.00500	1	11/17/2016 18:49	WG926240
Chloromethane	ND		0.00250	1	11/17/2016 18:49	WG926240
2-Chlorotoluene	ND		0.00100	1	11/17/2016 18:49	WG926240
4-Chlorotoluene	ND		0.00100	1	11/17/2016 18:49	WG926240
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 18:49	WG926240
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 18:49	WG926240
Dibromomethane	ND		0.00100	1	11/17/2016 18:49	WG926240
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 18:49	WG926240
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 18:49	WG926240
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 18:49	WG926240
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 18:49	WG926240
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 18:49	WG926240
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 18:49	WG926240
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 18:49	WG926240
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 18:49	WG926240
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 18:49	WG926240
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 18:49	WG926240
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 18:49	WG926240
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 18:49	WG926240
Di-isopropyl ether	ND		0.00100	1	11/17/2016 18:49	WG926240
Ethylbenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 18:49	WG926240
Isopropylbenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 18:49	WG926240
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 18:49	WG926240
Methylene Chloride	ND		0.00500	1	11/17/2016 18:49	WG926240
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 18:49	WG926240
Methyl tert-butyl ether	0.00142		0.00100	1	11/17/2016 18:49	WG926240
Naphthalene	ND		0.00500	1	11/17/2016 18:49	WG926240
n-Propylbenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
Styrene	ND	J4	0.00100	1	11/17/2016 18:49	WG926240
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 18:49	WG926240
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 18:49	WG926240
Tetrachloroethene	ND		0.00500	1	11/17/2016 18:49	WG926240
Toluene	ND		0.00500	1	11/17/2016 18:49	WG926240
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 18:49	WG926240

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 18:49	WG926240
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 18:49	WG926240
Trichloroethene	ND		0.00500	1	11/17/2016 18:49	WG926240
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 18:49	WG926240
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 18:49	WG926240
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 18:49	WG926240
Vinyl chloride	ND		0.00200	1	11/17/2016 18:49	WG926240
Xylenes, Total	ND		0.00300	1	11/17/2016 18:49	WG926240
(S) Toluene-d8	*104*		*90.0-115*		*11/17/2016 18:49*	WG926240
(S) Dibromofluoromethane	*98.4*		*79.0-121*		*11/17/2016 18:49*	WG926240
(S) 4-Bromofluorobenzene	*97.0*		*80.1-120*		*11/17/2016 18:49*	WG926240

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 06:04	WG926724
(S) Toluene-d8	*99.0*		*70.0-130*		*11/16/2016 06:04*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 03:16	WG926236
Acrolein	ND		0.0500	1	11/17/2016 03:16	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 03:16	WG926236
Benzene	ND		0.00100	1	11/17/2016 03:16	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 03:16	WG926236
Bromoform	ND		0.00100	1	11/17/2016 03:16	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 03:16	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 03:16	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 03:16	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 03:16	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 03:16	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 03:16	WG926236
Chloroform	ND		0.00500	1	11/17/2016 03:16	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 03:16	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 03:16	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 03:16	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 03:16	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 03:16	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 03:16	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 03:16	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 03:16	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 03:16	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 03:16	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 03:16	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 03:16	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 03:16	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 03:16	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 03:16	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 03:16	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 03:16	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 03:16	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 03:16	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 03:16	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 03:16	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 03:16	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 03:16	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 03:16	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 03:16	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 03:16	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
Styrene	ND		0.00100	1	11/17/2016 03:16	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 03:16	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 03:16	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 03:16	WG926236
Toluene	ND		0.00500	1	11/17/2016 03:16	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 03:16	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 03:16	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 03:16	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 03:16	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 03:16	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 03:16	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 03:16	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 03:16	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 03:16	WG926236
(S) Toluene-d8	*98.4*		*90.0-115*		*11/17/2016 03:16*	WG926236
(S) Dibromofluoromethane	*96.2*		*79.0-121*		*11/17/2016 03:16*	WG926236
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/17/2016 03:16*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 06:24	WG926724
(S) Toluene-d8	*99.5*		*70.0-130*		*11/16/2016 06:24*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 03:38	WG926236
Acrolein	ND		0.0500	1	11/17/2016 03:38	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 03:38	WG926236
Benzene	ND		0.00100	1	11/17/2016 03:38	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 03:38	WG926236
Bromoform	ND		0.00100	1	11/17/2016 03:38	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 03:38	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 03:38	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 03:38	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 03:38	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 03:38	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 03:38	WG926236
Chloroform	ND		0.00500	1	11/17/2016 03:38	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 03:38	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 03:38	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 03:38	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 03:38	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 03:38	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 03:38	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 03:38	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 03:38	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 03:38	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 03:38	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 03:38	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 03:38	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 03:38	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 03:38	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 03:38	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 03:38	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 03:38	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 03:38	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 03:38	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 03:38	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 03:38	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 03:38	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 03:38	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 03:38	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 03:38	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 03:38	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
Styrene	ND		0.00100	1	11/17/2016 03:38	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 03:38	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 03:38	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 03:38	WG926236
Toluene	ND		0.00500	1	11/17/2016 03:38	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 03:38	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 03:38	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 03:38	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 03:38	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 03:38	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 03:38	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 03:38	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 03:38	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 03:38	WG926236
(S) Toluene-d8	*97.7*		*90.0-115*		*11/17/2016 03:38*	WG926236
(S) Dibromofluoromethane	*96.2*		*79.0-121*		*11/17/2016 03:38*	WG926236
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/17/2016 03:38*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 06:43	WG926724
(S) Toluene-d8	*99.5*		*70.0-130*		*11/16/2016 06:43*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 04:00	WG926236
Acrolein	ND		0.0500	1	11/17/2016 04:00	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 04:00	WG926236
Benzene	ND		0.00100	1	11/17/2016 04:00	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 04:00	WG926236
Bromoform	ND		0.00100	1	11/17/2016 04:00	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 04:00	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 04:00	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 04:00	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 04:00	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 04:00	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 04:00	WG926236
Chloroform	ND		0.00500	1	11/17/2016 04:00	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 04:00	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 04:00	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 04:00	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 04:00	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 04:00	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 04:00	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 04:00	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 04:00	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 04:00	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 04:00	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 04:00	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 04:00	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 04:00	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 04:00	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 04:00	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 04:00	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 04:00	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 04:00	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 04:00	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 04:00	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 04:00	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 04:00	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 04:00	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 04:00	WG926236
Methyl tert-butyl ether	0.00108		0.00100	1	11/17/2016 04:00	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 04:00	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
Styrene	ND		0.00100	1	11/17/2016 04:00	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 04:00	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 04:00	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 04:00	WG926236
Toluene	ND		0.00500	1	11/17/2016 04:00	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 04:00	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 04:00	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 04:00	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 04:00	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 04:00	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 04:00	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 04:00	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 04:00	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 04:00	WG926236
(S) Toluene-d8	*98.1*		*90.0-115*		*11/17/2016 04:00*	WG926236
(S) Dibromofluoromethane	*93.4*		*79.0-121*		*11/17/2016 04:00*	WG926236
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/17/2016 04:00*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 07:02	WG926724
(S) Toluene-d8	*99.4*		*70.0-130*		*11/16/2016 07:02*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 04:22	WG926236
Acrolein	ND		0.0500	1	11/17/2016 04:22	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 04:22	WG926236
Benzene	ND		0.00100	1	11/17/2016 04:22	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 04:22	WG926236
Bromoform	ND		0.00100	1	11/17/2016 04:22	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 04:22	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 04:22	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 04:22	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 04:22	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 04:22	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 04:22	WG926236
Chloroform	ND		0.00500	1	11/17/2016 04:22	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 04:22	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 04:22	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 04:22	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 04:22	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 04:22	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 04:22	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 04:22	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 04:22	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 04:22	WG926236
1,1-Dichloroethene	0.0206		0.00500	1	11/17/2016 04:22	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 04:22	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 04:22	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 04:22	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 04:22	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 04:22	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 04:22	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 04:22	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 04:22	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 04:22	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 04:22	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 04:22	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 04:22	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 04:22	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 04:22	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 04:22	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 04:22	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
Styrene	ND		0.00100	1	11/17/2016 04:22	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 04:22	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 04:22	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 04:22	WG926236
Toluene	ND		0.00500	1	11/17/2016 04:22	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 04:22	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	0.00855		0.00500	1	11/17/2016 04:22	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 04:22	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 04:22	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 04:22	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 04:22	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 04:22	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 04:22	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 04:22	WG926236
(S) Toluene-d8	*99.2*		*90.0-115*		*11/17/2016 04:22*	WG926236
(S) Dibromofluoromethane	*94.1*		*79.0-121*		*11/17/2016 04:22*	WG926236
(S) 4-Bromofluorobenzene	*110*		*80.1-120*		*11/17/2016 04:22*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 07:22	WG926724
(S) Toluene-d8	*92.4*		*70.0-130*		*11/16/2016 07:22*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 04:44	WG926236
Acrolein	ND		0.0500	1	11/17/2016 04:44	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 04:44	WG926236
Benzene	ND		0.00100	1	11/17/2016 04:44	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 04:44	WG926236
Bromoform	ND		0.00100	1	11/17/2016 04:44	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 04:44	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 04:44	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 04:44	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 04:44	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 04:44	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 04:44	WG926236
Chloroform	ND		0.00500	1	11/17/2016 04:44	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 04:44	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 04:44	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 04:44	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 04:44	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 04:44	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 04:44	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 04:44	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 04:44	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 04:44	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 04:44	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 04:44	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 04:44	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 04:44	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 04:44	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 04:44	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 04:44	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 04:44	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 04:44	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 04:44	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 04:44	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 04:44	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 04:44	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 04:44	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 04:44	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 04:44	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 04:44	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
Styrene	ND		0.00100	1	11/17/2016 04:44	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 04:44	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 04:44	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 04:44	WG926236
Toluene	ND		0.00500	1	11/17/2016 04:44	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 04:44	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 04:44	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 04:44	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 04:44	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 04:44	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 04:44	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 04:44	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 04:44	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 04:44	WG926236
(S) Toluene-d8	*97.8*		*90.0-115*		*11/17/2016 04:44*	WG926236
(S) Dibromofluoromethane	*93.7*		*79.0-121*		*11/17/2016 04:44*	WG926236
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 04:44*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 07:41	WG926724
(S) Toluene-d8	*99.4*		*70.0-130*		*11/16/2016 07:41*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 05:06	WG926236
Acrolein	ND		0.0500	1	11/17/2016 05:06	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 05:06	WG926236
Benzene	ND		0.00100	1	11/17/2016 05:06	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 05:06	WG926236
Bromoform	ND		0.00100	1	11/17/2016 05:06	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 05:06	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 05:06	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 05:06	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 05:06	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 05:06	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 05:06	WG926236
Chloroform	ND		0.00500	1	11/17/2016 05:06	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 05:06	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 05:06	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 05:06	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 05:06	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 05:06	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 05:06	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 05:06	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 05:06	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 05:06	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 05:06	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 05:06	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 05:06	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 05:06	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 05:06	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 05:06	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 05:06	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 05:06	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 05:06	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 05:06	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 05:06	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 05:06	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 05:06	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 05:06	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 05:06	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 05:06	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 05:06	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
Styrene	ND		0.00100	1	11/17/2016 05:06	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 05:06	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 05:06	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 05:06	WG926236
Toluene	ND		0.00500	1	11/17/2016 05:06	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 05:06	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 05:06	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 05:06	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 05:06	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 05:06	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 05:06	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 05:06	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 05:06	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 05:06	WG926236
(S) Toluene-d8	*96.7*		*90.0-115*		*11/17/2016 05:06*	WG926236
(S) Dibromofluoromethane	*95.0*		*79.0-121*		*11/17/2016 05:06*	WG926236
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/17/2016 05:06*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 08:00	WG926724
(S) Toluene-d8	*99.9*		*70.0-130*		*11/16/2016 08:00*	WG926724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 05:29	WG926236
Acrolein	ND		0.0500	1	11/17/2016 05:29	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 05:29	WG926236
Benzene	ND		0.00100	1	11/17/2016 05:29	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 05:29	WG926236
Bromoform	ND		0.00100	1	11/17/2016 05:29	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 05:29	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 05:29	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 05:29	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 05:29	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 05:29	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 05:29	WG926236
Chloroform	ND		0.00500	1	11/17/2016 05:29	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 05:29	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 05:29	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 05:29	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 05:29	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 05:29	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 05:29	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 05:29	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 05:29	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 05:29	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 05:29	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 05:29	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 05:29	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 05:29	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 05:29	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 05:29	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 05:29	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 05:29	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 05:29	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 05:29	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 05:29	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 05:29	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 05:29	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 05:29	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 05:29	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 05:29	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 05:29	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
Styrene	ND		0.00100	1	11/17/2016 05:29	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 05:29	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 05:29	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 05:29	WG926236
Toluene	ND		0.00500	1	11/17/2016 05:29	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 05:29	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 05:29	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 05:29	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 05:29	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 05:29	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 05:29	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 05:29	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 05:29	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 05:29	WG926236
(S) Toluene-d8	*98.0*		*90.0-115*		*11/17/2016 05:29*	WG926236
(S) Dibromofluoromethane	*94.2*		*79.0-121*		*11/17/2016 05:29*	WG926236
(S) 4-Bromofluorobenzene	*106*		*80.1-120*		*11/17/2016 05:29*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 13:49	WG926726
(S) Toluene-d8	*101*		*70.0-130*		*11/16/2016 13:49*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 05:51	WG926236
Acrolein	ND		0.0500	1	11/17/2016 05:51	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 05:51	WG926236
Benzene	ND		0.00100	1	11/17/2016 05:51	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 05:51	WG926236
Bromoform	ND		0.00100	1	11/17/2016 05:51	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 05:51	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 05:51	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 05:51	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 05:51	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 05:51	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 05:51	WG926236
Chloroform	ND		0.00500	1	11/17/2016 05:51	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 05:51	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 05:51	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 05:51	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 05:51	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 05:51	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 05:51	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 05:51	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 05:51	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 05:51	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 05:51	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 05:51	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 05:51	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 05:51	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 05:51	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 05:51	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 05:51	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 05:51	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 05:51	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 05:51	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 05:51	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 05:51	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 05:51	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 05:51	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 05:51	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 05:51	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 05:51	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
Styrene	ND		0.00100	1	11/17/2016 05:51	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 05:51	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 05:51	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 05:51	WG926236
Toluene	ND		0.00500	1	11/17/2016 05:51	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 05:51	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 05:51	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 05:51	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 05:51	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 05:51	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 05:51	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 05:51	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 05:51	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 05:51	WG926236
(S) Toluene-d8	*98.4*		*90.0-115*		*11/17/2016 05:51*	WG926236
(S) Dibromofluoromethane	*94.3*		*79.0-121*		*11/17/2016 05:51*	WG926236
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/17/2016 05:51*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 14:08	WG926726
(S) Toluene-d8	*101*		*70.0-130*		*11/16/2016 14:08*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 06:13	WG926236
Acrolein	ND		0.0500	1	11/17/2016 06:13	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 06:13	WG926236
Benzene	ND		0.00100	1	11/17/2016 06:13	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 06:13	WG926236
Bromoform	ND		0.00100	1	11/17/2016 06:13	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 06:13	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 06:13	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 06:13	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 06:13	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 06:13	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 06:13	WG926236
Chloroform	ND		0.00500	1	11/17/2016 06:13	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 06:13	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 06:13	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 06:13	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 06:13	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 06:13	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 06:13	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 06:13	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 06:13	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 06:13	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 06:13	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 06:13	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 06:13	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 06:13	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 06:13	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 06:13	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 06:13	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 06:13	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 06:13	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 06:13	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 06:13	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 06:13	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 06:13	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 06:13	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 06:13	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 06:13	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 06:13	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
Styrene	ND		0.00100	1	11/17/2016 06:13	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 06:13	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 06:13	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 06:13	WG926236
Toluene	ND		0.00500	1	11/17/2016 06:13	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 06:13	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 06:13	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 06:13	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 06:13	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 06:13	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 06:13	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 06:13	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 06:13	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 06:13	WG926236
(S) Toluene-d8	*97.6*		*90.0-115*		*11/17/2016 06:13*	WG926236
(S) Dibromofluoromethane	*93.6*		*79.0-121*		*11/17/2016 06:13*	WG926236
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 06:13*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 14:28	WG926726
(S) Toluene-d8	*94.2*		*70.0-130*		*11/16/2016 14:28*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 06:35	WG926236
Acrolein	ND		0.0500	1	11/17/2016 06:35	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 06:35	WG926236
Benzene	ND		0.00100	1	11/17/2016 06:35	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 06:35	WG926236
Bromoform	ND		0.00100	1	11/17/2016 06:35	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 06:35	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 06:35	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 06:35	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 06:35	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 06:35	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 06:35	WG926236
Chloroform	ND		0.00500	1	11/17/2016 06:35	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 06:35	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 06:35	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 06:35	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 06:35	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 06:35	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 06:35	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 06:35	WG926236
1,1-Dichloroethane	0.0121		0.00500	1	11/17/2016 06:35	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 06:35	WG926236
1,1-Dichloroethene	0.0953		0.0100	10	11/18/2016 06:52	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 06:35	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 06:35	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 06:35	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 06:35	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 06:35	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 06:35	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 06:35	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 06:35	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 06:35	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 06:35	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 06:35	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 06:35	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 06:35	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 06:35	WG926236
Methyl tert-butyl ether	0.00153		0.00100	1	11/17/2016 06:35	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 06:35	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
Styrene	ND		0.00100	1	11/17/2016 06:35	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 06:35	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 06:35	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 06:35	WG926236
Toluene	ND		0.00500	1	11/17/2016 06:35	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 06:35	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	0.0798		0.00500	1	11/17/2016 06:35	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 06:35	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 06:35	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 06:35	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 06:35	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 06:35	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 06:35	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 06:35	WG926236
(S) Toluene-d8	*97.8*		*90.0-115*		*11/17/2016 06:35*	WG926236
(S) Toluene-d8	*97.6*		*90.0-115*		*11/18/2016 06:52*	WG926236
(S) Dibromofluoromethane	*102*		*79.0-121*		*11/18/2016 06:52*	WG926236
(S) Dibromofluoromethane	*94.7*		*79.0-121*		*11/17/2016 06:35*	WG926236
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 06:35*	WG926236
(S) 4-Bromofluorobenzene	*92.8*		*80.1-120*		*11/18/2016 06:52*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 14:47	WG926726
(S) Toluene-d8	*93.9*		*70.0-130*		*11/16/2016 14:47*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 06:57	WG926236
Acrolein	ND		0.0500	1	11/17/2016 06:57	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 06:57	WG926236
Benzene	ND		0.00100	1	11/17/2016 06:57	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 06:57	WG926236
Bromoform	ND		0.00100	1	11/17/2016 06:57	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 06:57	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 06:57	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 06:57	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 06:57	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 06:57	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 06:57	WG926236
Chloroform	ND		0.00500	1	11/17/2016 06:57	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 06:57	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 06:57	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 06:57	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 06:57	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 06:57	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 06:57	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 06:57	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 06:57	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 06:57	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 06:57	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 06:57	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 06:57	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 06:57	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 06:57	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 06:57	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 06:57	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 06:57	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 06:57	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 06:57	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 06:57	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 06:57	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 06:57	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 06:57	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 06:57	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 06:57	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 06:57	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
Styrene	ND		0.00100	1	11/17/2016 06:57	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 06:57	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 06:57	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 06:57	WG926236
Toluene	ND		0.00500	1	11/17/2016 06:57	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 06:57	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 06:57	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 06:57	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 06:57	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 06:57	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 06:57	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 06:57	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 06:57	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 06:57	WG926236
(S) Toluene-d8	*97.3*		*90.0-115*		*11/17/2016 06:57*	WG926236
(S) Dibromofluoromethane	*93.8*		*79.0-121*		*11/17/2016 06:57*	WG926236
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 06:57*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 15:07	WG926726
(S) Toluene-d8	*101*		*70.0-130*		*11/16/2016 15:07*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 07:19	WG926236
Acrolein	ND		0.0500	1	11/17/2016 07:19	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 07:19	WG926236
Benzene	ND		0.00100	1	11/17/2016 07:19	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 07:19	WG926236
Bromoform	ND		0.00100	1	11/17/2016 07:19	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 07:19	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 07:19	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 07:19	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 07:19	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 07:19	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 07:19	WG926236
Chloroform	ND		0.00500	1	11/17/2016 07:19	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 07:19	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 07:19	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 07:19	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 07:19	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 07:19	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 07:19	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 07:19	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 07:19	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 07:19	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 07:19	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 07:19	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 07:19	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 07:19	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 07:19	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 07:19	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 07:19	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 07:19	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 07:19	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 07:19	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 07:19	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 07:19	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 07:19	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 07:19	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 07:19	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 07:19	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 07:19	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
Styrene	ND		0.00100	1	11/17/2016 07:19	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 07:19	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 07:19	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 07:19	WG926236
Toluene	ND		0.00500	1	11/17/2016 07:19	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 07:19	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 07:19	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 07:19	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 07:19	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 07:19	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 07:19	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 07:19	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 07:19	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 07:19	WG926236
(S) Toluene-d8	*98.4*		*90.0-115*		*11/17/2016 07:19*	WG926236
(S) Dibromofluoromethane	*94.5*		*79.0-121*		*11/17/2016 07:19*	WG926236
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/17/2016 07:19*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 15:26	WG926726
(S) Toluene-d8	*94.6*		*70.0-130*		*11/16/2016 15:26*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 02:10	WG926236
Acrolein	ND		0.0500	1	11/17/2016 02:10	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 02:10	WG926236
Benzene	ND		0.00100	1	11/17/2016 02:10	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 02:10	WG926236
Bromoform	ND		0.00100	1	11/17/2016 02:10	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 02:10	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 02:10	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 02:10	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 02:10	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 02:10	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 02:10	WG926236
Chloroform	ND		0.00500	1	11/17/2016 02:10	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 02:10	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 02:10	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 02:10	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 02:10	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 02:10	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 02:10	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 02:10	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 02:10	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 02:10	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 02:10	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 02:10	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 02:10	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 02:10	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 02:10	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 02:10	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 02:10	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 02:10	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 02:10	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 02:10	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 02:10	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 02:10	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 02:10	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 02:10	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 02:10	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 02:10	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 02:10	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
Styrene	ND		0.00100	1	11/17/2016 02:10	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 02:10	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 02:10	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 02:10	WG926236
Toluene	ND		0.00500	1	11/17/2016 02:10	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 02:10	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 02:10	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 02:10	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 02:10	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 02:10	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 02:10	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 02:10	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 02:10	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 02:10	WG926236
(S) Toluene-d8	*98.3*		*90.0-115*		*11/17/2016 02:10*	WG926236
(S) Dibromofluoromethane	*94.9*		*79.0-121*		*11/17/2016 02:10*	WG926236
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 02:10*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 12:51	WG926726
(S) Toluene-d8	*94.9*		*70.0-130*		*11/16/2016 12:51*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 02:32	WG926236
Acrolein	ND		0.0500	1	11/17/2016 02:32	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 02:32	WG926236
Benzene	ND		0.00100	1	11/17/2016 02:32	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 02:32	WG926236
Bromoform	ND		0.00100	1	11/17/2016 02:32	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 02:32	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 02:32	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 02:32	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 02:32	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 02:32	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 02:32	WG926236
Chloroform	ND		0.00500	1	11/17/2016 02:32	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 02:32	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 02:32	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 02:32	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 02:32	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 02:32	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 02:32	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 02:32	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 02:32	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 02:32	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 02:32	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 02:32	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 02:32	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 02:32	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 02:32	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 02:32	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 02:32	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 02:32	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 02:32	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 02:32	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 02:32	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 02:32	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 02:32	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 02:32	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 02:32	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 02:32	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 02:32	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
Styrene	ND		0.00100	1	11/17/2016 02:32	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 02:32	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 02:32	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 02:32	WG926236
Toluene	ND		0.00500	1	11/17/2016 02:32	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 02:32	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 02:32	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 02:32	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 02:32	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 02:32	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 02:32	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 02:32	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 02:32	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 02:32	WG926236
(S) Toluene-d8	*97.6*		*90.0-115*		*11/17/2016 02:32*	WG926236
(S) Dibromofluoromethane	*94.5*		*79.0-121*		*11/17/2016 02:32*	WG926236
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 02:32*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 13:10	WG926726
(S) Toluene-d8	*94.2*		*70.0-130*		*11/16/2016 13:10*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 02:54	WG926236
Acrolein	ND		0.0500	1	11/17/2016 02:54	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 02:54	WG926236
Benzene	ND		0.00100	1	11/17/2016 02:54	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 02:54	WG926236
Bromoform	ND		0.00100	1	11/17/2016 02:54	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 02:54	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 02:54	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 02:54	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 02:54	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 02:54	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 02:54	WG926236
Chloroform	ND		0.00500	1	11/17/2016 02:54	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 02:54	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 02:54	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 02:54	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 02:54	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 02:54	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 02:54	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 02:54	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 02:54	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 02:54	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 02:54	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 02:54	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 02:54	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 02:54	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 02:54	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 02:54	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 02:54	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 02:54	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 02:54	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 02:54	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 02:54	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 02:54	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 02:54	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 02:54	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 02:54	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 02:54	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 02:54	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
Styrene	ND		0.00100	1	11/17/2016 02:54	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 02:54	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 02:54	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 02:54	WG926236
Toluene	ND		0.00500	1	11/17/2016 02:54	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 02:54	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 02:54	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 02:54	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 02:54	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 02:54	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 02:54	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 02:54	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 02:54	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 02:54	WG926236
(S) Toluene-d8	*97.7*		*90.0-115*		*11/17/2016 02:54*	WG926236
(S) Dibromofluoromethane	*95.1*		*79.0-121*		*11/17/2016 02:54*	WG926236
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/17/2016 02:54*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 13:29	WG926726
(S) Toluene-d8	*94.2*		*70.0-130*		*11/16/2016 13:29*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 07:41	WG926236
Acrolein	ND		0.0500	1	11/17/2016 07:41	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 07:41	WG926236
Benzene	ND		0.00100	1	11/17/2016 07:41	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 07:41	WG926236
Bromoform	ND		0.00100	1	11/17/2016 07:41	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 07:41	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 07:41	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 07:41	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 07:41	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 07:41	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 07:41	WG926236
Chloroform	ND		0.00500	1	11/17/2016 07:41	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 07:41	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 07:41	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 07:41	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 07:41	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 07:41	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 07:41	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 07:41	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 07:41	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 07:41	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 07:41	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 07:41	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 07:41	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 07:41	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 07:41	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 07:41	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 07:41	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 07:41	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 07:41	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 07:41	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 07:41	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 07:41	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 07:41	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 07:41	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 07:41	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 07:41	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 07:41	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
Styrene	ND		0.00100	1	11/17/2016 07:41	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 07:41	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 07:41	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 07:41	WG926236
Toluene	ND		0.00500	1	11/17/2016 07:41	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 07:41	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 07:41	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 07:41	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 07:41	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 07:41	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 07:41	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 07:41	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 07:41	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 07:41	WG926236
(S) Toluene-d8	*98.6*		*90.0-115*		*11/17/2016 07:41*	WG926236
(S) Dibromofluoromethane	*94.2*		*79.0-121*		*11/17/2016 07:41*	WG926236
(S) 4-Bromofluorobenzene	*107*		*80.1-120*		*11/17/2016 07:41*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 15:45	WG926726
(S) Toluene-d8	*101*		*70.0-130*		*11/16/2016 15:45*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 08:03	WG926236
Acrolein	ND		0.0500	1	11/17/2016 08:03	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 08:03	WG926236
Benzene	ND		0.00100	1	11/17/2016 08:03	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 08:03	WG926236
Bromoform	ND		0.00100	1	11/17/2016 08:03	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 08:03	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 08:03	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 08:03	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 08:03	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 08:03	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 08:03	WG926236
Chloroform	ND		0.00500	1	11/17/2016 08:03	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 08:03	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 08:03	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 08:03	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 08:03	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 08:03	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 08:03	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 08:03	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 08:03	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 08:03	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 08:03	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 08:03	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 08:03	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 08:03	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 08:03	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 08:03	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 08:03	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 08:03	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 08:03	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 08:03	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 08:03	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 08:03	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 08:03	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 08:03	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 08:03	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 08:03	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 08:03	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
Styrene	ND		0.00100	1	11/17/2016 08:03	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 08:03	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 08:03	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 08:03	WG926236
Toluene	ND		0.00500	1	11/17/2016 08:03	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 08:03	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 08:03	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 08:03	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 08:03	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 08:03	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 08:03	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 08:03	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 08:03	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 08:03	WG926236
(S) Toluene-d8	*98.1*		*90.0-115*		*11/17/2016 08:03*	WG926236
(S) Dibromofluoromethane	*93.5*		*79.0-121*		*11/17/2016 08:03*	WG926236
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 08:03*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 16:05	WG926726
(S) Toluene-d8	*94.2*		*70.0-130*		*11/16/2016 16:05*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 08:25	WG926236
Acrolein	ND		0.0500	1	11/17/2016 08:25	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 08:25	WG926236
Benzene	ND		0.00100	1	11/17/2016 08:25	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 08:25	WG926236
Bromoform	ND		0.00100	1	11/17/2016 08:25	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 08:25	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 08:25	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 08:25	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 08:25	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 08:25	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 08:25	WG926236
Chloroform	ND		0.00500	1	11/17/2016 08:25	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 08:25	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 08:25	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 08:25	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 08:25	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 08:25	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 08:25	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 08:25	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 08:25	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 08:25	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 08:25	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 08:25	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 08:25	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 08:25	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 08:25	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 08:25	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 08:25	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 08:25	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 08:25	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 08:25	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 08:25	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 08:25	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 08:25	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 08:25	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 08:25	WG926236
Methyl tert-butyl ether	ND		0.00100	1	11/17/2016 08:25	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 08:25	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
Styrene	ND		0.00100	1	11/17/2016 08:25	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 08:25	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 08:25	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 08:25	WG926236
Toluene	ND		0.00500	1	11/17/2016 08:25	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 08:25	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 08:25	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 08:25	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 08:25	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 08:25	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 08:25	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 08:25	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 08:25	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 08:25	WG926236
(S) Toluene-d8	*96.8*		*90.0-115*		*11/17/2016 08:25*	WG926236
(S) Dibromofluoromethane	*93.3*		*79.0-121*		*11/17/2016 08:25*	WG926236
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/17/2016 08:25*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 16:24	WG926726
(S) Toluene-d8	*101*		*70.0-130*		*11/16/2016 16:24*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 08:47	WG926236
Acrolein	ND		0.0500	1	11/17/2016 08:47	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 08:47	WG926236
Benzene	ND		0.00100	1	11/17/2016 08:47	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 08:47	WG926236
Bromoform	ND		0.00100	1	11/17/2016 08:47	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 08:47	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 08:47	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 08:47	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 08:47	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 08:47	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 08:47	WG926236
Chloroform	ND		0.00500	1	11/17/2016 08:47	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 08:47	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 08:47	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 08:47	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 08:47	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 08:47	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 08:47	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 08:47	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 08:47	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 08:47	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 08:47	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 08:47	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 08:47	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 08:47	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 08:47	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 08:47	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 08:47	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 08:47	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 08:47	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 08:47	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 08:47	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 08:47	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 08:47	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 08:47	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 08:47	WG926236
Methyl tert-butyl ether	0.00245		0.00100	1	11/17/2016 08:47	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 08:47	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
Styrene	ND		0.00100	1	11/17/2016 08:47	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 08:47	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 08:47	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 08:47	WG926236
Toluene	ND		0.00500	1	11/17/2016 08:47	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 08:47	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 08:47	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 08:47	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 08:47	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 08:47	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 08:47	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 08:47	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 08:47	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 08:47	WG926236
(S) Toluene-d8	*98.6*		*90.0-115*		*11/17/2016 08:47*	WG926236
(S) Dibromofluoromethane	*95.8*		*79.0-121*		*11/17/2016 08:47*	WG926236
(S) 4-Bromofluorobenzene	*109*		*80.1-120*		*11/17/2016 08:47*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 16:43	WG926726
(S) Toluene-d8	*93.8*		*70.0-130*		*11/16/2016 16:43*	WG926726

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	11/17/2016 09:09	WG926236
Acrolein	ND		0.0500	1	11/17/2016 09:09	WG926236
Acrylonitrile	ND		0.0100	1	11/17/2016 09:09	WG926236
Benzene	ND		0.00100	1	11/17/2016 09:09	WG926236
Bromobenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
Bromodichloromethane	ND		0.00100	1	11/17/2016 09:09	WG926236
Bromoform	ND		0.00100	1	11/17/2016 09:09	WG926236
Bromomethane	ND		0.00500	1	11/17/2016 09:09	WG926236
n-Butylbenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
sec-Butylbenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
tert-Butylbenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
Carbon tetrachloride	ND		0.00100	1	11/17/2016 09:09	WG926236
Chlorobenzene	ND	J4	0.00100	1	11/17/2016 09:09	WG926236
Chlorodibromomethane	ND		0.00100	1	11/17/2016 09:09	WG926236
Chloroethane	ND		0.00500	1	11/17/2016 09:09	WG926236
2-Chloroethyl vinyl ether	ND		0.0500	1	11/17/2016 09:09	WG926236
Chloroform	ND		0.00500	1	11/17/2016 09:09	WG926236
Chloromethane	ND		0.00250	1	11/17/2016 09:09	WG926236
2-Chlorotoluene	ND		0.00100	1	11/17/2016 09:09	WG926236
4-Chlorotoluene	ND		0.00100	1	11/17/2016 09:09	WG926236
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	11/17/2016 09:09	WG926236
1,2-Dibromoethane	ND	J4	0.00100	1	11/17/2016 09:09	WG926236
Dibromomethane	ND		0.00100	1	11/17/2016 09:09	WG926236
1,2-Dichlorobenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
1,3-Dichlorobenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
1,4-Dichlorobenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
Dichlorodifluoromethane	ND		0.00500	1	11/17/2016 09:09	WG926236
1,1-Dichloroethane	ND		0.00500	1	11/17/2016 09:09	WG926236
1,2-Dichloroethane	ND		0.00500	1	11/17/2016 09:09	WG926236
1,1-Dichloroethene	ND		0.00500	1	11/17/2016 09:09	WG926236
cis-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 09:09	WG926236
trans-1,2-Dichloroethene	ND		0.00500	1	11/17/2016 09:09	WG926236
1,2-Dichloropropane	ND		0.00100	1	11/17/2016 09:09	WG926236
1,1-Dichloropropene	ND		0.00100	1	11/17/2016 09:09	WG926236
1,3-Dichloropropane	ND		0.00100	1	11/17/2016 09:09	WG926236
cis-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 09:09	WG926236
trans-1,3-Dichloropropene	ND		0.00100	1	11/17/2016 09:09	WG926236
2,2-Dichloropropane	ND		0.00100	1	11/17/2016 09:09	WG926236
Di-isopropyl ether	ND		0.00100	1	11/17/2016 09:09	WG926236
Ethylbenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
Hexachloro-1,3-butadiene	ND		0.00100	1	11/17/2016 09:09	WG926236
Isopropylbenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
p-Isopropyltoluene	ND		0.00100	1	11/17/2016 09:09	WG926236
2-Butanone (MEK)	ND		0.0100	1	11/17/2016 09:09	WG926236
Methylene Chloride	ND		0.00500	1	11/17/2016 09:09	WG926236
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	11/17/2016 09:09	WG926236
Methyl tert-butyl ether	0.00215		0.00100	1	11/17/2016 09:09	WG926236
Naphthalene	ND		0.00500	1	11/17/2016 09:09	WG926236
n-Propylbenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
Styrene	ND		0.00100	1	11/17/2016 09:09	WG926236
1,1,1,2-Tetrachloroethane	ND		0.00500	1	11/17/2016 09:09	WG926236
1,1,2,2-Tetrachloroethane	ND		0.00100	1	11/17/2016 09:09	WG926236
Tetrachloroethene	ND	J4	0.00500	1	11/17/2016 09:09	WG926236
Toluene	ND		0.00500	1	11/17/2016 09:09	WG926236
1,2,3-Trichlorobenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
1,2,4-Trichlorobenzene	ND		0.00100	1	11/17/2016 09:09	WG926236

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	ND		0.00500	1	11/17/2016 09:09	WG926236
1,1,2-Trichloroethane	ND		0.00500	1	11/17/2016 09:09	WG926236
Trichloroethene	ND		0.00500	1	11/17/2016 09:09	WG926236
Trichlorofluoromethane	ND		0.00500	1	11/17/2016 09:09	WG926236
1,2,3-Trichloropropane	ND		0.00250	1	11/17/2016 09:09	WG926236
1,2,4-Trimethylbenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
1,3,5-Trimethylbenzene	ND		0.00100	1	11/17/2016 09:09	WG926236
Vinyl chloride	ND		0.00200	1	11/17/2016 09:09	WG926236
Xylenes, Total	ND		0.00300	1	11/17/2016 09:09	WG926236
(S) Toluene-d8	*96.7*		*90.0-115*		*11/17/2016 09:09*	WG926236
(S) Dibromofluoromethane	*93.5*		*79.0-121*		*11/17/2016 09:09*	WG926236
(S) 4-Bromofluorobenzene	*108*		*80.1-120*		*11/17/2016 09:09*	WG926236

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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00300	1	11/16/2016 17:03	WG926726
(S) Toluene-d8	*101*		*70.0-130*		*11/16/2016 17:03*	WG926726

Method Blank (MB)

(MB) R3178960-3 11/16/16 23:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Acrolein	U		0.00887	0.0500
Acrylonitrile	U		0.00187	0.0100
Benzene	U		0.000331	0.00100
Bromobenzene	U		0.000352	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
tert-Butylbenzene	U		0.000399	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
2-Chloroethyl vinyl ether	U		0.00301	0.0500
Chloroform	U		0.000324	0.00500
Chloromethane	0.000606	J	0.000276	0.00250
2-Chlorotoluene	U		0.000375	0.00100
4-Chlorotoluene	U		0.000351	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500
1,2-Dibromoethane	U		0.000381	0.00100
Dibromomethane	U		0.000346	0.00100
1,2-Dichlorobenzene	U		0.000349	0.00100
1,3-Dichlorobenzene	U		0.000220	0.00100
1,4-Dichlorobenzene	U		0.000274	0.00100
Dichlorodifluoromethane	U		0.000551	0.00500
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
1,1-Dichloropropene	U		0.000352	0.00100
1,3-Dichloropropane	U		0.000366	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
2,2-Dichloropropane	U		0.000321	0.00100
Di-isopropyl ether	U		0.000320	0.00100
Ethylbenzene	U		0.000384	0.00100

Method Blank (MB)

(MB) R3178960-3 11/16/16 23:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hexachloro-1,3-butadiene	0.000265	J	0.000256	0.00100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
Trichlorofluoromethane	U		0.00120	0.00500
1,2,3-Trichloropropane	U		0.000807	0.00250
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*99.2*			*90.0-115*
(S) Dibromofluoromethane	*95.8*			*79.0-121*
(S) 4-Bromofluorobenzene	*108*			*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178960-1 11/16/16 22:29 • (LCSD) R3178960-2 11/16/16 22:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.123	0.114	98.8	91.0	28.7-175			8.18	20.9
Acrolein	0.125	0.113	0.113	90.1	90.1	40.4-172			0.0200	20
Acrylonitrile	0.125	0.106	0.104	84.4	83.3	58.2-145			1.35	20
Benzene	0.0250	0.0220	0.0215	88.0	85.9	73.0-122			2.42	20
Bromobenzene	0.0250	0.0273	0.0276	109	111	81.5-115			1.13	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178960-1 11/16/16 22:29 • (LCSD) R3178960-2 11/16/16 22:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0254	0.0248	102	99.1	75.5-121			2.73	20
Bromoform	0.0250	0.0317	0.0321	127	128	71.5-131			1.33	20
Bromomethane	0.0250	0.0271	0.0275	108	110	22.4-187			1.55	20
n-Butylbenzene	0.0250	0.0214	0.0213	85.6	85.3	75.9-134			0.410	20
sec-Butylbenzene	0.0250	0.0301	0.0297	120	119	80.6-126			1.23	20
tert-Butylbenzene	0.0250	0.0302	0.0295	121	118	79.3-127			2.41	20
Carbon tetrachloride	0.0250	0.0242	0.0233	96.8	93.1	70.9-129			3.86	20
Chlorobenzene	0.0250	0.0312	0.0312	125	125	79.7-122	J4	J4	0.100	20
Chlorodibromomethane	0.0250	0.0296	0.0296	118	118	78.2-124			0.0300	20
Chloroethane	0.0250	0.0276	0.0256	110	102	41.2-153			7.71	20
2-Chloroethyl vinyl ether	0.125	0.0918	0.0905	73.4	72.4	23.4-162			1.37	23.5
Chloroform	0.0250	0.0231	0.0227	92.3	90.6	73.2-125			1.87	20
Chloromethane	0.0250	0.0166	0.0164	66.4	65.7	55.8-134			1.03	20
2-Chlorotoluene	0.0250	0.0301	0.0297	120	119	76.4-125			1.28	20
4-Chlorotoluene	0.0250	0.0295	0.0291	118	116	81.5-121			1.38	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0236	0.0252	94.6	101	64.8-131			6.30	20
1,2-Dibromoethane	0.0250	0.0319	0.0313	128	125	79.8-122	J4	J4	1.86	20
Dibromomethane	0.0250	0.0247	0.0246	98.9	98.3	79.5-118			0.590	20
1,2-Dichlorobenzene	0.0250	0.0266	0.0271	106	109	84.7-118			1.94	20
1,3-Dichlorobenzene	0.0250	0.0317	0.0315	127	126	77.6-127			0.640	20
1,4-Dichlorobenzene	0.0250	0.0257	0.0269	103	107	82.2-114			4.24	20
Dichlorodifluoromethane	0.0250	0.0218	0.0206	87.4	82.3	56.0-134			5.95	20
1,1-Dichloroethane	0.0250	0.0217	0.0212	86.8	85.0	71.7-127			2.11	20
1,2-Dichloroethane	0.0250	0.0236	0.0234	94.3	93.6	65.3-126			0.770	20
1,1-Dichloroethene	0.0250	0.0235	0.0230	93.8	92.0	59.9-137			2.01	20
cis-1,2-Dichloroethene	0.0250	0.0239	0.0225	95.5	89.8	77.3-122			6.15	20
trans-1,2-Dichloroethene	0.0250	0.0237	0.0227	94.8	91.0	72.6-125			4.16	20
1,2-Dichloropropane	0.0250	0.0224	0.0226	89.7	90.3	77.4-125			0.750	20
1,1-Dichloropropene	0.0250	0.0249	0.0239	99.7	95.6	72.5-127			4.22	20
1,3-Dichloropropane	0.0250	0.0281	0.0278	113	111	80.6-115			1.21	20
cis-1,3-Dichloropropene	0.0250	0.0246	0.0242	98.5	96.8	77.7-124			1.70	20
trans-1,3-Dichloropropene	0.0250	0.0232	0.0231	92.8	92.3	73.5-127			0.540	20
2,2-Dichloropropane	0.0250	0.0239	0.0230	95.4	92.0	61.3-134			3.64	20
Di-isopropyl ether	0.0250	0.0186	0.0186	74.4	74.3	65.1-135			0.0900	20
Ethylbenzene	0.0250	0.0295	0.0293	118	117	80.9-121			0.680	20
Hexachloro-1,3-butadiene	0.0250	0.0266	0.0278	106	111	73.7-133			4.55	20
Isopropylbenzene	0.0250	0.0288	0.0282	115	113	81.6-124			2.24	20
p-Isopropyltoluene	0.0250	0.0315	0.0311	126	124	77.6-129			1.37	20
2-Butanone (MEK)	0.125	0.120	0.115	96.1	92.2	46.4-155			4.17	20
Methylene Chloride	0.0250	0.0205	0.0200	81.9	79.8	69.5-120			2.54	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178960-1 11/16/16 22:29 • (LCSD) R3178960-2 11/16/16 22:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.125	0.111	0.110	88.7	87.8	63.3-138			1.12	20
Methyl tert-butyl ether	0.0250	0.0221	0.0220	88.4	87.8	70.1-125			0.620	20
Naphthalene	0.0250	0.0232	0.0251	92.7	101	69.7-134			8.13	20
n-Propylbenzene	0.0250	0.0297	0.0292	119	117	81.9-122			1.70	20
Styrene	0.0250	0.0310	0.0307	124	123	79.9-124			0.970	20
1,1,1,2-Tetrachloroethane	0.0250	0.0294	0.0291	118	116	78.5-125			1.18	20
1,1,2,2-Tetrachloroethane	0.0250	0.0264	0.0272	106	109	79.3-123			2.99	20
Tetrachloroethene	0.0250	0.0337	0.0319	135	128	73.5-130	J4		5.38	20
Toluene	0.0250	0.0248	0.0241	99.3	96.2	77.9-116			3.15	20
1,2,3-Trichlorobenzene	0.0250	0.0252	0.0284	101	114	75.7-134			12.0	20
1,2,4-Trichlorobenzene	0.0250	0.0275	0.0296	110	118	76.1-136			7.47	20
1,1,1-Trichloroethane	0.0250	0.0248	0.0243	99.3	97.1	71.1-129			2.23	20
1,1,2-Trichloroethane	0.0250	0.0300	0.0298	120	119	81.6-120			0.750	20
Trichloroethene	0.0250	0.0297	0.0288	119	115	79.5-121			3.11	20
Trichlorofluoromethane	0.0250	0.0265	0.0255	106	102	49.1-157			3.73	20
1,2,3-Trichloropropane	0.0250	0.0284	0.0287	114	115	74.9-124			1.25	20
1,2,4-Trimethylbenzene	0.0250	0.0297	0.0293	119	117	79.0-122			1.43	20
1,3,5-Trimethylbenzene	0.0250	0.0283	0.0282	113	113	81.0-123			0.510	20
Vinyl chloride	0.0250	0.0208	0.0203	83.3	81.2	61.5-134			2.61	20
Xylenes, Total	0.0750	0.0889	0.0873	119	116	79.2-122			1.76	20
(S) Toluene-d8				*99.5*	*98.9*	*90.0-115*				
(S) Dibromofluoromethane				*94.8*	*96.2*	*79.0-121*				
(S) 4-Bromofluorobenzene				*109*	*109*	*80.1-120*				

Method Blank (MB)

(MB) R3178387-3 11/15/16 01:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Acrolein	U		0.00887	0.0500
Acrylonitrile	U		0.00187	0.0100
Benzene	U		0.000331	0.00100
Bromobenzene	U		0.000352	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
tert-Butylbenzene	U		0.000399	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
2-Chloroethyl vinyl ether	U		0.00301	0.0500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
2-Chlorotoluene	U		0.000375	0.00100
4-Chlorotoluene	U		0.000351	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500
1,2-Dibromoethane	U		0.000381	0.00100
Dibromomethane	U		0.000346	0.00100
1,2-Dichlorobenzene	U		0.000349	0.00100
1,3-Dichlorobenzene	U		0.000220	0.00100
1,4-Dichlorobenzene	U		0.000274	0.00100
Dichlorodifluoromethane	U		0.000551	0.00500
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
1,1-Dichloropropene	U		0.000352	0.00100
1,3-Dichloropropane	U		0.000366	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
2,2-Dichloropropane	U		0.000321	0.00100
Di-isopropyl ether	U		0.000320	0.00100
Ethylbenzene	U		0.000384	0.00100

Method Blank (MB)

(MB) R3178387-3 11/15/16 01:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hexachloro-1,3-butadiene	0.000269	J	0.000256	0.00100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
Trichlorofluoromethane	U		0.00120	0.00500
1,2,3-Trichloropropane	U		0.000807	0.00250
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*109*			*90.0-115*
(S) Dibromofluoromethane	*97.9*			*79.0-121*
(S) 4-Bromofluorobenzene	*102*			*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178387-1 11/15/16 00:03 • (LCSD) R3178387-2 11/15/16 00:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.182	0.203	145	162	28.7-175			11.1	20.9
Acrolein	0.125	3.09	3.07	2470	2460	40.4-172	E J4	E J4	0.740	20
Acrylonitrile	0.125	0.138	0.138	110	110	58.2-145			0.0600	20
Benzene	0.0250	0.0243	0.0244	97.1	97.7	73.0-122			0.630	20
Bromobenzene	0.0250	0.0246	0.0242	98.5	96.9	81.5-115			1.69	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178387-1 11/15/16 00:03 • (LCSD) R3178387-2 11/15/16 00:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0266	0.0270	106	108	75.5-121			1.42	20
Bromoform	0.0250	0.0209	0.0211	83.8	84.4	71.5-131			0.750	20
Bromomethane	0.0250	0.0261	0.0246	105	98.3	22.4-187			6.16	20
n-Butylbenzene	0.0250	0.0263	0.0255	105	102	75.9-134			2.94	20
sec-Butylbenzene	0.0250	0.0240	0.0228	96.0	91.3	80.6-126			4.96	20
tert-Butylbenzene	0.0250	0.0234	0.0232	93.4	92.6	79.3-127			0.900	20
Carbon tetrachloride	0.0250	0.0248	0.0246	99.2	98.5	70.9-129			0.720	20
Chlorobenzene	0.0250	0.0227	0.0228	90.9	91.1	79.7-122			0.230	20
Chlorodibromomethane	0.0250	0.0225	0.0230	89.9	92.1	78.2-124			2.42	20
Chloroethane	0.0250	0.0242	0.0236	97.0	94.4	41.2-153			2.71	20
2-Chloroethyl vinyl ether	0.125	0.157	0.162	126	130	23.4-162			3.38	23.5
Chloroform	0.0250	0.0256	0.0256	102	103	73.2-125			0.230	20
Chloromethane	0.0250	0.0280	0.0271	112	108	55.8-134			3.17	20
2-Chlorotoluene	0.0250	0.0238	0.0234	95.2	93.6	76.4-125			1.69	20
4-Chlorotoluene	0.0250	0.0248	0.0247	99.1	98.8	81.5-121			0.260	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0234	0.0235	93.5	94.1	64.8-131			0.570	20
1,2-Dibromoethane	0.0250	0.0226	0.0235	90.5	93.8	79.8-122			3.61	20
Dibromomethane	0.0250	0.0254	0.0256	102	102	79.5-118			0.550	20
1,2-Dichlorobenzene	0.0250	0.0235	0.0238	94.0	95.2	84.7-118			1.25	20
1,3-Dichlorobenzene	0.0250	0.0223	0.0218	89.1	87.1	77.6-127			2.32	20
1,4-Dichlorobenzene	0.0250	0.0220	0.0225	88.2	90.1	82.2-114			2.12	20
Dichlorodifluoromethane	0.0250	0.0292	0.0283	117	113	56.0-134			3.32	20
1,1-Dichloroethane	0.0250	0.0258	0.0258	103	103	71.7-127			0.380	20
1,2-Dichloroethane	0.0250	0.0286	0.0286	114	114	65.3-126			0.0300	20
1,1-Dichloroethene	0.0250	0.0218	0.0214	87.2	85.6	59.9-137			1.76	20
cis-1,2-Dichloroethene	0.0250	0.0235	0.0237	94.1	94.8	77.3-122			0.790	20
trans-1,2-Dichloroethene	0.0250	0.0236	0.0232	94.3	92.8	72.6-125			1.61	20
1,2-Dichloropropane	0.0250	0.0270	0.0273	108	109	77.4-125			0.990	20
1,1-Dichloropropene	0.0250	0.0281	0.0276	112	110	72.5-127			1.68	20
1,3-Dichloropropane	0.0250	0.0243	0.0246	97.0	98.2	80.6-115			1.26	20
cis-1,3-Dichloropropene	0.0250	0.0266	0.0267	106	107	77.7-124			0.470	20
trans-1,3-Dichloropropene	0.0250	0.0265	0.0272	106	109	73.5-127			2.35	20
2,2-Dichloropropane	0.0250	0.0242	0.0244	96.8	97.6	61.3-134			0.870	20
Di-isopropyl ether	0.0250	0.0266	0.0267	106	107	65.1-135			0.640	20
Ethylbenzene	0.0250	0.0225	0.0224	90.1	89.5	80.9-121			0.690	20
Hexachloro-1,3-butadiene	0.0250	0.0250	0.0235	99.9	94.0	73.7-133			6.05	20
Isopropylbenzene	0.0250	0.0230	0.0228	92.0	91.3	81.6-124			0.800	20
p-Isopropyltoluene	0.0250	0.0242	0.0234	96.8	93.6	77.6-129			3.31	20
2-Butanone (MEK)	0.125	0.145	0.145	116	116	46.4-155			0.0600	20
Methylene Chloride	0.0250	0.0231	0.0226	92.3	90.5	69.5-120			2.00	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178387-1 11/15/16 00:03 • (LCSD) R3178387-2 11/15/16 00:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.125	0.149	0.150	119	120	63.3-138			0.720	20
Methyl tert-butyl ether	0.0250	0.0238	0.0240	95.4	96.1	70.1-125			0.720	20
Naphthalene	0.0250	0.0233	0.0225	93.1	90.1	69.7-134			3.32	20
n-Propylbenzene	0.0250	0.0246	0.0241	98.4	96.5	81.9-122			1.93	20
Styrene	0.0250	0.0233	0.0238	93.3	95.3	79.9-124			2.07	20
1,1,1,2-Tetrachloroethane	0.0250	0.0222	0.0227	88.8	90.9	78.5-125			2.37	20
1,1,2,2-Tetrachloroethane	0.0250	0.0229	0.0228	91.8	91.1	79.3-123			0.720	20
Tetrachloroethene	0.0250	0.0227	0.0223	90.9	89.4	73.5-130			1.72	20
Toluene	0.0250	0.0244	0.0251	97.4	100	77.9-116			2.86	20
1,2,3-Trichlorobenzene	0.0250	0.0224	0.0213	89.7	85.3	75.7-134			5.09	20
1,2,4-Trichlorobenzene	0.0250	0.0232	0.0227	92.8	90.9	76.1-136			2.04	20
1,1,1-Trichloroethane	0.0250	0.0268	0.0263	107	105	71.1-129			1.99	20
1,1,2-Trichloroethane	0.0250	0.0226	0.0231	90.3	92.4	81.6-120			2.41	20
Trichloroethene	0.0250	0.0249	0.0243	99.6	97.2	79.5-121			2.43	20
Trichlorofluoromethane	0.0250	0.0262	0.0260	105	104	49.1-157			0.760	20
1,2,3-Trichloropropane	0.0250	0.0239	0.0229	95.6	91.8	74.9-124			4.08	20
1,2,4-Trimethylbenzene	0.0250	0.0238	0.0233	95.2	93.4	79.0-122			1.93	20
1,3,5-Trimethylbenzene	0.0250	0.0231	0.0224	92.3	89.6	81.0-123			2.94	20
Vinyl chloride	0.0250	0.0268	0.0265	107	106	61.5-134			1.16	20
Xylenes, Total	0.0750	0.0677	0.0671	90.3	89.5	79.2-122			0.830	20
(S) Toluene-d8				*109*	*107*	*90.0-115*				
(S) Dibromofluoromethane				*103*	*101*	*79.0-121*				
(S) 4-Bromofluorobenzene				*102*	*102*	*80.1-120*				

Method Blank (MB)

(MB) R3178468-3 11/15/16 18:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Acrolein	U		0.00887	0.0500
Acrylonitrile	U		0.00187	0.0100
Benzene	U		0.000331	0.00100
Bromobenzene	U		0.000352	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
tert-Butylbenzene	U		0.000399	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
2-Chloroethyl vinyl ether	U		0.00301	0.0500
Chloroform	U		0.000324	0.00500
Chloromethane	0.000361	J	0.000276	0.00250
2-Chlorotoluene	U		0.000375	0.00100
4-Chlorotoluene	U		0.000351	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500
1,2-Dibromoethane	U		0.000381	0.00100
Dibromomethane	U		0.000346	0.00100
1,2-Dichlorobenzene	U		0.000349	0.00100
1,3-Dichlorobenzene	U		0.000220	0.00100
1,4-Dichlorobenzene	U		0.000274	0.00100
Dichlorodifluoromethane	U		0.000551	0.00500
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
1,1-Dichloropropene	U		0.000352	0.00100
1,3-Dichloropropane	U		0.000366	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
2,2-Dichloropropane	U		0.000321	0.00100
Di-isopropyl ether	U		0.000320	0.00100
Ethylbenzene	U		0.000384	0.00100

Method Blank (MB)

(MB) R3178468-3 11/15/16 18:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hexachloro-1,3-butadiene	U		0.000256	0.00100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
Trichlorofluoromethane	U		0.00120	0.00500
1,2,3-Trichloropropane	U		0.000807	0.00250
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*97.7*			*90.0-115*
(S) Dibromofluoromethane	*95.1*			*79.0-121*
(S) 4-Bromofluorobenzene	*109*			*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178468-1 11/15/16 16:36 • (LCSD) R3178468-2 11/15/16 16:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.126	0.118	101	94.1	28.7-175			7.17	20.9
Acrolein	0.125	0.112	0.107	89.8	85.7	40.4-172			4.64	20
Acrylonitrile	0.125	0.107	0.106	85.9	84.7	58.2-145			1.37	20
Benzene	0.0250	0.0215	0.0210	86.2	84.1	73.0-122			2.44	20
Bromobenzene	0.0250	0.0276	0.0276	110	111	81.5-115			0.260	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178468-1 11/15/16 16:36 • (LCSD) R3178468-2 11/15/16 16:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0250	0.0246	99.9	98.2	75.5-121			1.65	20
Bromoform	0.0250	0.0332	0.0322	133	129	71.5-131	J4		3.08	20
Bromomethane	0.0250	0.0320	0.0298	128	119	22.4-187			7.05	20
n-Butylbenzene	0.0250	0.0215	0.0214	85.9	85.5	75.9-134			0.400	20
sec-Butylbenzene	0.0250	0.0296	0.0297	119	119	80.6-126			0.350	20
tert-Butylbenzene	0.0250	0.0299	0.0296	120	118	79.3-127			1.23	20
Carbon tetrachloride	0.0250	0.0234	0.0228	93.7	91.0	70.9-129			2.91	20
Chlorobenzene	0.0250	0.0308	0.0307	123	123	79.7-122	J4	J4	0.350	20
Chlorodibromomethane	0.0250	0.0303	0.0295	121	118	78.2-124			2.68	20
Chloroethane	0.0250	0.0258	0.0263	103	105	41.2-153			1.70	20
2-Chloroethyl vinyl ether	0.125	0.103	0.101	82.7	80.8	23.4-162			2.37	23.5
Chloroform	0.0250	0.0229	0.0226	91.8	90.3	73.2-125			1.66	20
Chloromethane	0.0250	0.0185	0.0185	73.8	74.0	55.8-134			0.290	20
2-Chlorotoluene	0.0250	0.0299	0.0297	120	119	76.4-125			0.550	20
4-Chlorotoluene	0.0250	0.0292	0.0289	117	116	81.5-121			1.06	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0263	0.0264	105	106	64.8-131			0.550	20
1,2-Dibromoethane	0.0250	0.0310	0.0309	124	124	79.8-122	J4	J4	0.160	20
Dibromomethane	0.0250	0.0249	0.0244	99.5	97.7	79.5-118			1.81	20
1,2-Dichlorobenzene	0.0250	0.0272	0.0269	109	108	84.7-118			0.980	20
1,3-Dichlorobenzene	0.0250	0.0318	0.0313	127	125	77.6-127			1.39	20
1,4-Dichlorobenzene	0.0250	0.0265	0.0266	106	107	82.2-114			0.400	20
Dichlorodifluoromethane	0.0250	0.0242	0.0233	96.8	93.3	56.0-134			3.63	20
1,1-Dichloroethane	0.0250	0.0211	0.0207	84.2	82.6	71.7-127			1.87	20
1,2-Dichloroethane	0.0250	0.0240	0.0234	96.1	93.7	65.3-126			2.57	20
1,1-Dichloroethene	0.0250	0.0223	0.0215	89.1	85.9	59.9-137			3.58	20
cis-1,2-Dichloroethene	0.0250	0.0224	0.0228	89.4	91.2	77.3-122			1.97	20
trans-1,2-Dichloroethene	0.0250	0.0221	0.0219	88.6	87.4	72.6-125			1.30	20
1,2-Dichloropropane	0.0250	0.0225	0.0218	89.9	87.2	77.4-125			3.06	20
1,1-Dichloropropene	0.0250	0.0238	0.0230	95.1	92.1	72.5-127			3.21	20
1,3-Dichloropropane	0.0250	0.0278	0.0277	111	111	80.6-115			0.690	20
cis-1,3-Dichloropropene	0.0250	0.0247	0.0240	98.6	96.1	77.7-124			2.66	20
trans-1,3-Dichloropropene	0.0250	0.0237	0.0232	94.9	93.0	73.5-127			2.07	20
2,2-Dichloropropane	0.0250	0.0229	0.0219	91.8	87.8	61.3-134			4.46	20
Di-isopropyl ether	0.0250	0.0187	0.0184	75.0	73.7	65.1-135			1.71	20
Ethylbenzene	0.0250	0.0290	0.0286	116	114	80.9-121			1.33	20
Hexachloro-1,3-butadiene	0.0250	0.0267	0.0266	107	106	73.7-133			0.340	20
Isopropylbenzene	0.0250	0.0282	0.0282	113	113	81.6-124			0.170	20
p-Isopropyltoluene	0.0250	0.0313	0.0310	125	124	77.6-129			0.810	20
2-Butanone (MEK)	0.125	0.125	0.117	99.8	93.3	46.4-155			6.64	20
Methylene Chloride	0.0250	0.0202	0.0195	80.7	78.1	69.5-120			3.28	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178468-1 11/15/16 16:36 • (LCSD) R3178468-2 11/15/16 16:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.125	0.116	0.112	92.8	89.9	63.3-138			3.11	20
Methyl tert-butyl ether	0.0250	0.0222	0.0216	88.9	86.5	70.1-125			2.73	20
Naphthalene	0.0250	0.0254	0.0254	102	102	69.7-134			0.0700	20
n-Propylbenzene	0.0250	0.0293	0.0290	117	116	81.9-122			0.980	20
Styrene	0.0250	0.0303	0.0314	121	125	79.9-124		J4	3.35	20
1,1,1,2-Tetrachloroethane	0.0250	0.0295	0.0290	118	116	78.5-125			1.87	20
1,1,2,2-Tetrachloroethane	0.0250	0.0272	0.0266	109	107	79.3-123			2.01	20
Tetrachloroethene	0.0250	0.0311	0.0315	124	126	73.5-130			1.22	20
Toluene	0.0250	0.0245	0.0236	98.0	94.3	77.9-116			3.83	20
1,2,3-Trichlorobenzene	0.0250	0.0281	0.0283	112	113	75.7-134			0.780	20
1,2,4-Trichlorobenzene	0.0250	0.0286	0.0286	114	114	76.1-136			0.0900	20
1,1,1-Trichloroethane	0.0250	0.0238	0.0234	95.3	93.7	71.1-129			1.64	20
1,1,2-Trichloroethane	0.0250	0.0297	0.0298	119	119	81.6-120			0.610	20
Trichloroethene	0.0250	0.0289	0.0288	115	115	79.5-121			0.190	20
Trichlorofluoromethane	0.0250	0.0259	0.0258	104	103	49.1-157			0.390	20
1,2,3-Trichloropropane	0.0250	0.0291	0.0279	116	111	74.9-124			4.42	20
1,2,4-Trimethylbenzene	0.0250	0.0297	0.0295	119	118	79.0-122			0.580	20
1,3,5-Trimethylbenzene	0.0250	0.0281	0.0282	112	113	81.0-123			0.380	20
Vinyl chloride	0.0250	0.0211	0.0205	84.4	82.0	61.5-134			2.82	20
Xylenes, Total	0.0750	0.0873	0.0872	116	116	79.2-122			0.110	20
(S) Toluene-d8				*101*	*99.2*	*90.0-115*				
(S) Dibromofluoromethane				*96.1*	*95.1*	*79.0-121*				
(S) 4-Bromofluorobenzene				*110*	*111*	*80.1-120*				

Method Blank (MB)

(MB) R3178829-3 11/15/16 14:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
1,4-Dioxane	U		0.000597	0.00300
(S) Toluene-d8	*101*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178829-1 11/15/16 13:28 • (LCSD) R3178829-2 11/15/16 13:47

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
1,4-Dioxane	0.0500	0.0448	0.0466	89.5	93.2	70.0-130			3.95	25
(S) Toluene-d8				*101*	*101*	*70.0-130*				

L872434-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L872434-17 11/15/16 21:54 • (MS) R3178829-4 11/15/16 22:13 • (MSD) R3178829-5 11/15/16 22:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
1,4-Dioxane	0.0500	ND	0.0618	0.0679	122	134	1	0.000-200			9.37	42
(S) Toluene-d8					*93.0*	*99.6*		*70.0-130*				

Method Blank (MB)

(MB) R3178830-3 11/16/16 01:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
1,4-Dioxane	U		0.000597	0.00300
(S) Toluene-d8	*99.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178830-1 11/16/16 00:34 • (LCSD) R3178830-2 11/16/16 00:53

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
1,4-Dioxane	0.0500	0.0446	0.0452	89.1	90.4	70.0-130			1.40	25
(S) Toluene-d8				*93.1*	*101*	*70.0-130*				

L872434-37 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L872434-37 11/16/16 08:00 • (MS) R3178830-4 11/16/16 08:20 • (MSD) R3178830-5 11/16/16 08:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
1,4-Dioxane	0.0500	ND	0.0621	0.0604	124	121	1	0.000-200			2.78	42
(S) Toluene-d8					*96.9*	*97.0*		*70.0-130*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3178835-3 11/16/16 12:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
1,4-Dioxane	U		0.000597	0.00300
(S) Toluene-d8	*101*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3178835-1 11/16/16 11:13 • (LCSD) R3178835-2 11/16/16 11:32

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
1,4-Dioxane	0.0500	0.0416	0.0472	83.2	94.5	70.0-130			12.7	25
(S) Toluene-d8				*101*	*101*	*70.0-130*				

L872434-51 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L872434-51 11/16/16 17:03 • (MS) R3178835-4 11/16/16 17:22 • (MSD) R3178835-5 11/16/16 17:42

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
1,4-Dioxane	0.0500	ND	0.0598	0.0639	120	128	1	0.000-200			6.59	42
(S) Toluene-d8					*93.8*	*100*		*70.0-130*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

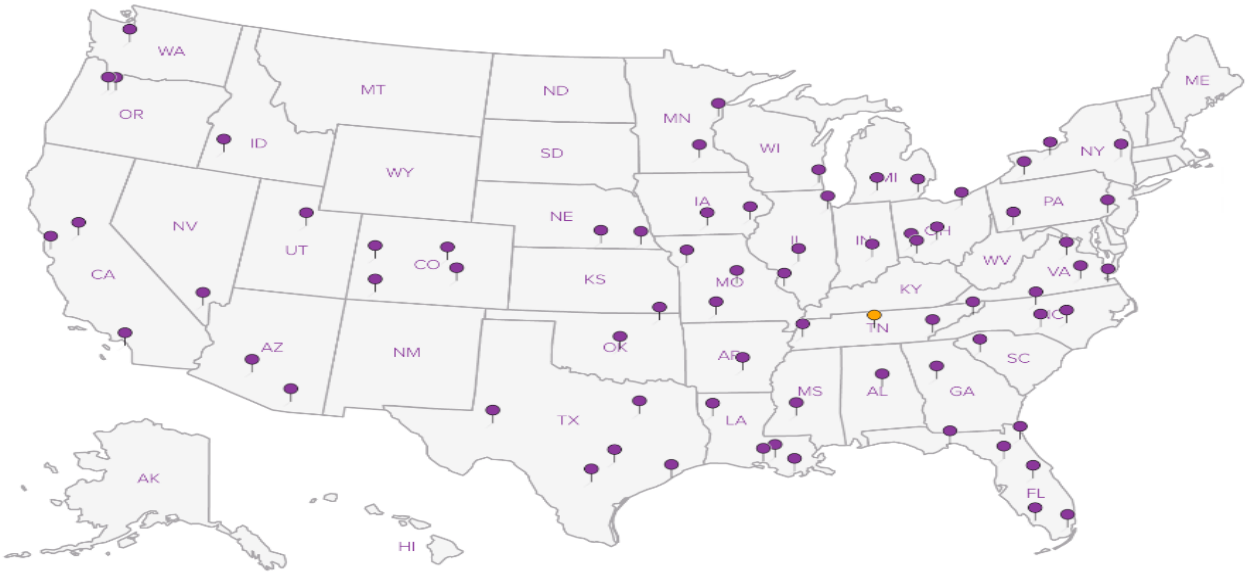
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



S&ME Inc. - Kennesaw GA

3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Billing Information & Quote Number:

Accounts Payable
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Report to: Mary Stacy

Email To: MStacy@smeinc.com

Project Description: Jesup DOT

City/State Collected: Jesup, GA

Phone: 770-919-0969
Fax: 770-919-2360

Client Project # 4468-14-083A

Lab Project # SMEKEN-446814083

Collected by (print): Taylor Coble

Site/Facility ID #

P.O. #

Collected by (signature): Taylor Coble

Immediately Packed on Ice N___ Y___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X_Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	V8260 1,4 Dioxane	Rem /Contaminant	Sample # (lab only)
MW-1	Grab	GW		11-7-16	1530	2	X		X		-01
MW-1A		GW		11-7-16	1425	2	X		X		02
MW-1B		GW		11-7-16	1255	2	X		X		03
MW-2		GW		11-7-16	1357	2	X		X		04
MW-2A		GW		11-7-16	1447	2	X		X		05
MW-2D		GW		11-9-16	1700	2	X		X		06
MW-3A		GW		11-9-16	0930	2	X		X		07
MW-4		GW		11-9-16	1342	2	X		X		08
MW-4A		GW		11-9-16	1527	2	X		X		09
MW-5		GW		11-9-16	1515	2	X		X		10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Chain of Custody Page 1 of 2

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L872434

K171

Acctnum: SMEKEN
Template: T117126
Prelogin: P573579
TSR: 206 - Jeff Carr
PB:

Shipped Via: FedEx Ground

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Taylor Coble	11-11-16	1300	FedEx
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
			7066 8122 3600
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 10

Date: 11/12/16 Time: 0900

Condition: (lab use only) SW7

COC Seal Intact: ___Y ___N ✓NA

pH Checked: NCF:

S&ME Inc. - Kennesaw GA

3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Billing Information & Quote Number:

Accounts Payable
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Report to: Mary Stacy

Email To: MStacy@smeinc.com

Project Description: Jesup DOT

City/State Collected:

Phone: 770-919-0969
Fax: 770-919-2360

Client Project # 4468-14-083A

Lab Project # SMEKEN-446814083

Collected by (print): Taylor Goble

Site/Facility ID #

P.O. #

Collected by (signature): Taylor Goble

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X_Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 6

ESC LABORATORIES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone 615-758-5858
Phone 800-767-5859
Fax 615-758-5859

L# L872434

Table #

Acctnum: SMEKEN
Template: T117126
Prelogin: P573579
TSR: 206 - Jeff Carr
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	V8260 1,4 Dioxane	Item / Container #	Sample # (lab only)
MW-6	Grab	GW		11-9-16	1537	2	X		X		11
MW-6A		GW		11-8-16	1419	2	X		X		12
MW-6E		GW		11-9-16	1025	2	X		X		13
MW-7		GW		11-7-16	1701	2	X		X		14
MW-7A		GW		11-7-16	1617	2	X		X		15
MW-7D		GW		11-8-16	1019	2	X		X		16
MW-9		GW		11-9-16	1030	2	X		X		17
MW-9A		GW		11-9-16	0925	2	X		X		18
MW-9		GW		11-9-16	1142	2	X		X		19
MW-9A		GW		11-9-16	1318	2	X		X		20

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Taylor Goble	11-11-16	1300	FedEx
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
			same
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.1 °C Bottles Received: 101

Date: 11/12/16 Time: 0900

Condition: (lab use only) JW

COC Seal Intact: ___Y ___N ✓NA

pH Checked: NCF:

S&ME Inc. - Kennesaw GA 3380 Town Point Drive Suite 140 Kennesaw, GA 30144	**Billing Information & Quote Number:** Accounts Payable 3380 Town Point Drive Suite 140 Kennesaw, GA 30144	Analysis / Container / Preservative
Report to: **Mary Stacy**	Email To: MStacy@smeinc.com	
Project Description: **Jesup DOT**	City/State Collected:	
Phone: **770-919-0969** Fax: **770-919-2360**	Client Project # **4468-14-083A**	Lab Project # **SMEKEN-446814083**
Collected by (print): Taylor Goble	Site/Facility ID #	P.O. #
Collected by (signature): Taylor Goble Immediately Packed on Ice N ___ Y ✓	***Rush?*** (Lab MUST Be Notified) ___ Same Day ..... 200% ___ Next Day ..... 100% ___ Two Day ..... 50% ___ Three Day 25%	Date Results Needed Email? ___No X_Yes FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	V8260 1,4 Dioxane							Rem./Contaminant	Sample # (lab only)
MW-10	Grab	GW		11-9-16	1305	2	X		X								21
MW-11		GW		11-8-16	1675	2	X		X								22
MW-12		GW		11-10-16	0945	2	X		X								23
MW-12A		GW		11-10-16	1135	2	X		X								24
MW-12R		GW		11-10-16	1016	2	X		X								25
MW-14		GW		11-8-16	1418	2	X		X								26
MW-15		GW		11-9-16	1435	2	X		X								27
MW-16		GW		11-8-16	1147	2	X		X								28
MW-17		GW		11-10-16	1007	2	X		X								29
MW-18		GW		11-9-16	1534	2	X		X								30

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) Taylor Goble	Date: 11-11-16	Time: 1300	Received by: (Signature) FedEx	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____	Hold #
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature) same	Temp: 3.1 °C Bottles Received: 101	Condition: (lab use only) 5W7
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/12/16 Time: 0900	COC Seal Intact: ___ Y ___ N ✓ NA pH Checked: NCF:

Chain of Custody Page 3 of 6

ESC LABORATORIES

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L872434

Table #

Acctnum: SMEKEN

Template: T117126

Prelogin: P573579

TSR: 206 - Jeff Carr

PB:

Shipped Via: FedEX Ground

S&ME Inc. - Kennesaw GA 3380 Town Point Drive Suite 140 Kennesaw, GA 30144	Billing Information & Quote Number: Accounts Payable 3380 Town Point Drive Suite 140 Kennesaw, GA 30144
Report to: **Mary Stacy**	Email To: MStacy@smeinc.com
Project Description: **Jesup DOT**	City/State Collected:
Phone: **770-919-0969** Fax: **770-919-2360**	Client Project # **4468-14-083A**
Collected by (print): Taylor Goble	Site/Facility ID #
Collected by (signature): Immediately Packed on Ice N___ Y✓	*Rush?* (Lab MUST Be Notified) ___ Same Day 200% ___ Next Day 100% ___ Two Day 50% ___ Three Day 25%

Lab Project #: **SMEKEN-446814083**

P.O. #

Date Results Needed

Email? ___No X_Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 4 of 6

ESC LABORATORIES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L872434
Table #
Acctnum: SMEKEN
Template: T117126
Prelogin: P573579
TSR: 206 - Jeff Carr
PB:
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	V8260 1,4 Dioxane	Rem./Contaminant	Sample # (lab only)
MW-19	Grab	GW		11-8-16	1040	2	X		X		31
MW-19A		GW		11-8-16	0930	2	X		X		32
MW-20		GW		11-8-16	1255	2	X		X		33
MW-21		GW		11-9-16	1515	2	X		X		34
MW-22		GW		11-9-16	1042	2	X		X		35
MW-23		GW		11-8-16	1605	2	X		X		36
MW-23A		GW		11-8-16	1420	2	X		X		37
MW-24		GW		11-7-16	1650	2	X		X		38
MW-24A		GW		11-8-16	0955	2	X		X		39
MW-30A		GW		11-8-16	1000	2	X		X		40

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature) Taylor Goble	Date: 11-11-16	Time: 1300	Received by: (Signature) FedEx	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐	Condition: (lab use only) 3W7
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature) same	Temp: 3.1 °C Bottles Received: 101	COC Seal Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/12/16 Time: 0900	pH Checked: NCF:

S&ME Inc. - Kennesaw GA

3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Billing Information & Quote Number:

Accounts Payable
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Report to: Mary Stacy

Email To: MStacy@smeinc.com

Project Description: **Jesup DOT**

City/State Collected:

Phone: **770-919-0969**
Fax: **770-919-2360**

Client Project # **4468-14-083A**

Lab Project # **SMEKEN-446814083**

Collected by (print): Taylor Goble

Site/Facility ID #

P.O. #

Collected by (signature): Taylor Goble

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 5 of 6

ESC LABS SCIENCES
LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L #

Table #

Acctnum: SMEKEN

Template: T117126

Prelogin: P573579

TSR: 206 - Jeff Carr

PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	V8260 1,4 Dioxane								Sample # (lab only)
MW-38	Grab	GW		11-9-16	1035	2	X		X								41
MW-40A		GW		11-9-16	1532	2	X		X								42
MW-47		GW		11-10-16	1012	2	X		X								43
Equipment Blank		GW		11-8-16	1440	2	X		X								44
Equipment Blank 2		GW		11-9-16	1420	2	X		X								45
Trip Blank		GW		—	—	2	X	X	X								46
SW-3		GW		11-8-16	1050	2	X		X								47
SW-4		GW		11-8-16	1112	2	X		X								48
SW-7		GW		11-8-16	1057	2	X		X								49
SW-8		GW		11-8-16	1117	2	X		X								50

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

11/12
DW

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Taylor Goble	11-11-16	1300	FedEx
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
			Same
Relinquished by: (Signature)	Date:	Time:	Received by/Lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ____

Temp: 3.1 °C Bottles Received: 101

Date: 11/12/16 Time: 0900

Condition: (lab use only) SW7

COC Seal Intact: ___Y ___N ✓NA

pH Checked: NCF:

S&ME Inc. - Kennesaw GA

3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Billing Information & Quote Number

Accounts Payable
3380 Town Point Drive Suite 140
Kennesaw, GA 30144

Report to: Mary Stacy

Email To: MStacy@smeinc.com

Project Description: Jesup DOT

City/State Collected:

Phone: 770-919-0969
Fax: 770-919-2360

Client Project #: 4468-14-083A

Lab Project #: SMEKEN-446814083

Collected by (print): Taylor Goddard

Site/Facility ID #:

P.O. #:

Collected by (signature): Taylor Goddard

Immediately Packed on Ice N____ Y__/__

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No of Cntrs	V8260 40mlAmb-HCl	V8260 40mlAmb-HCl-Blk	V8260 1,4 Dioxane									Sample # (lab only)
SW-9	Grab	GW		11-8-16	1121	2	X		X									51
		GW				2	X											
		GW				2	X											
		GW				2	X											
		GW				2	X											
		GW				2	X											
		GW				2	X											
		GW				2	X											
		GW				2	X											
		GW				2	X											

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Chain of Custody Page 6 of 6

ESC LABS
YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Lab # L872434

Table #

Acctnum: SMEKEN

Template: T117126

Prelogin: P573579

TSR: 206 - Jeff Carr

PB:

Shipped Via: FedEX Ground

Sample # (lab only)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Taylor Goddard	11-11-16	1300	FedEx
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____

Temp: 3.1 °C Bottles Received: 10

Date: 11/12/16 Time: 0900

Hold #

Condition: (lab use only) OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

ESC
LAB SCIENCES

Cooler Receipt Form

Client: SMEKEN SMEKEN		SDG#	L872434
Cooler Received/Opened On: 11/12/2016	Temperature Upon Receipt:	3.1	°c
Received By: Don Wright			
Signature:			

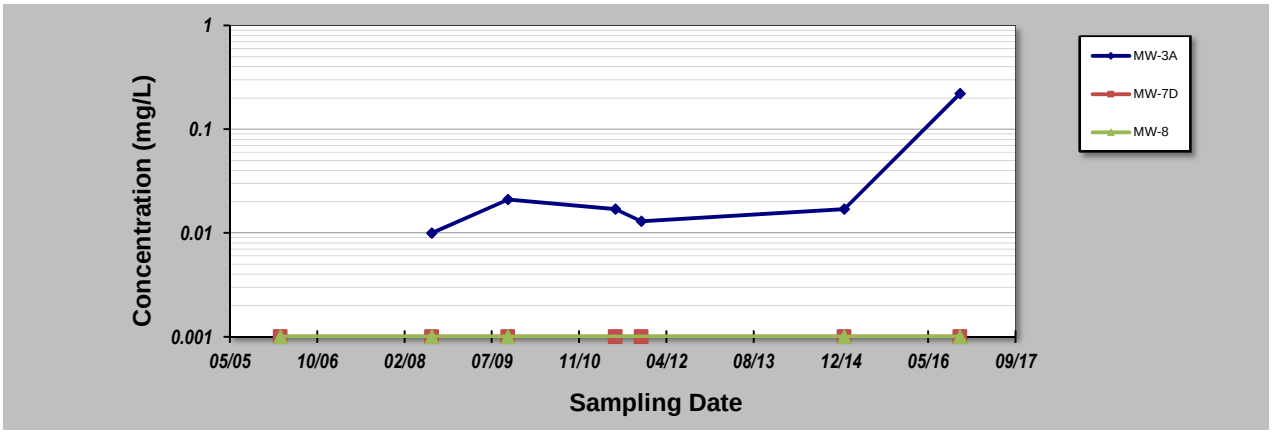
Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?			✓
Were custody papers properly filled out?	✓		
Did all bottles arrive in good condition?	✓		
Were correct bottles used for the analyses requested?	✓		
Was sufficient amount of sample sent in each bottle?	✓		
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)			✓
If applicable, was an observable VOA headspace present?		✓	
Non Conformance Generated. (If yes see attached NCF)			

Appendix V – Mann Kendall Data

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	17-Jan-17	Job ID:	Vinyl Chloride
Facility Name:	Georgia DOT Jesup GA	Constituent:	1,4-Dioxane
Conducted By:	William Wagner	Concentration Units:	mg/L

Sampling Point ID:	MW-3A	MW-7D	MW-8				
Sampling Event	Sampling Date	1,4-DIOXANE CONCENTRATION (mg/L)						
1	15-Mar-06		0.0010	0.0010				
2	29-Jul-08	0.010	0.0010	0.0010				
3	8-Oct-09	0.021	0.0010	0.0010				
4	15-Jun-11	0.017	0.0010					
5	10-Nov-11	0.013	0.0010					
6	15-Jan-15	0.017	0.0010	0.0010				
7	9-Nov-16	0.221	0.0010	0.0010				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.68	0.00	0.00				
Mann-Kendall Statistic (S):		6	0	0				
Confidence Factor:		81.5%	37.9%	40.8%				
Concentration Trend:		No Trend	Stable	Stable				



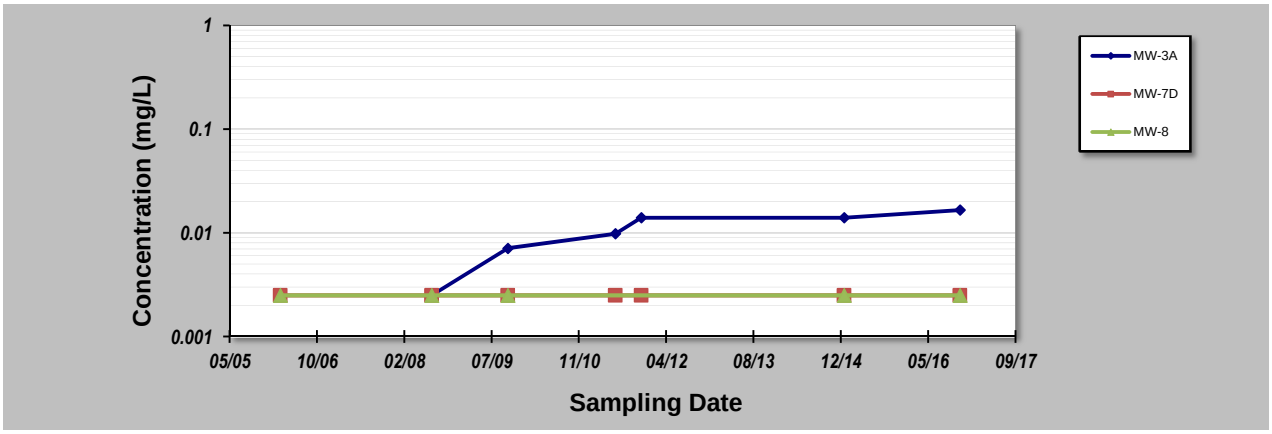
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	17-Jan-17	Job ID:	4468-14-083A
Facility Name:	Georgia DOT Jesup GA	Constituent:	1,2 DCA
Conducted By:	William Wagner	Concentration Units:	mg/L

Sampling Point ID:	MW-3A	MW-7D	MW-8				
Sampling Event	Sampling Date	1,2 DCA CONCENTRATION (mg/L)						
1	15-Mar-06		0.0025	0.0025				
2	29-Jul-08	0.0025	0.0025	0.0025				
3	8-Oct-09	0.0071	0.0025	0.0025				
4	15-Jun-11	0.0098	0.0025					
5	10-Nov-11	0.014	0.0025					
6	15-Jan-15	0.014	0.0025	0.0025				
7	9-Nov-16	0.0166	0.0025	0.0025				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.49	0.00	0.00				
Mann-Kendall Statistic (S):		14	0	0				
Confidence Factor:		99.6%	37.9%	40.8%				
Concentration Trend:		Increasing	Stable	Stable				



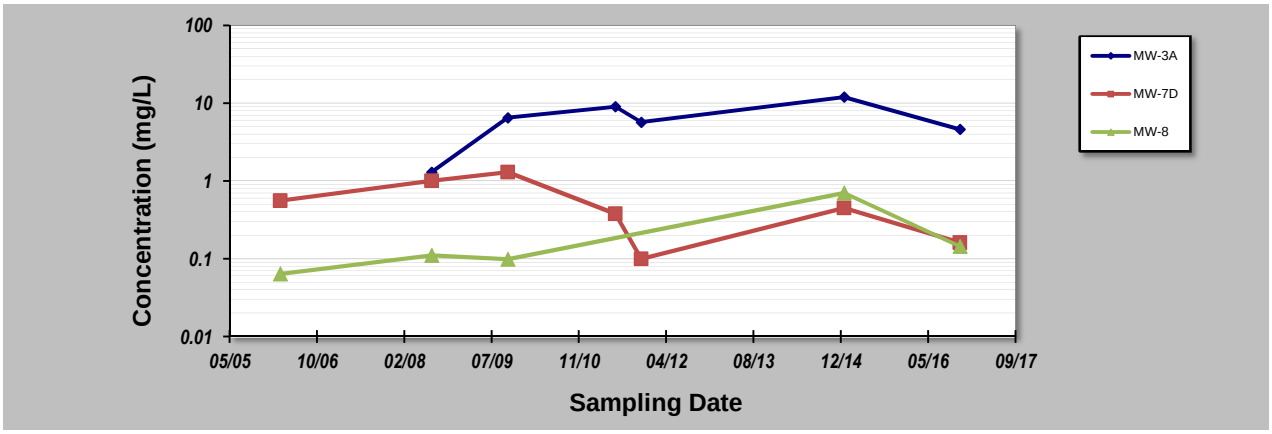
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	17-Jan-17	Job ID:	4468-14-083A
Facility Name:	Georgia DOT Jesup GA	Constituent:	1,1 DCE
Conducted By:	William Wagner	Concentration Units:	mg/L

Sampling Point ID:	MW-3A	MW-7D	MW-8				
Sampling Event	Sampling Date	1,1 DCE CONCENTRATION (mg/L)						
1	15-Mar-06		0.560	0.064				
2	29-Jul-08	1.3	1.000	0.110				
3	8-Oct-09	6.5	1.300	0.099				
4	15-Jun-11	9.0	0.380					
5	10-Nov-11	5.7	0.100					
6	15-Jan-15	12.0	0.450	0.700				
7	9-Nov-16	4.61	0.161	0.144				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.56	0.78	1.20				
Mann-Kendall Statistic (S):		3	-9	6				
Confidence Factor:		64.0%	88.1%	88.3%				
Concentration Trend:		No Trend	Stable	No Trend				



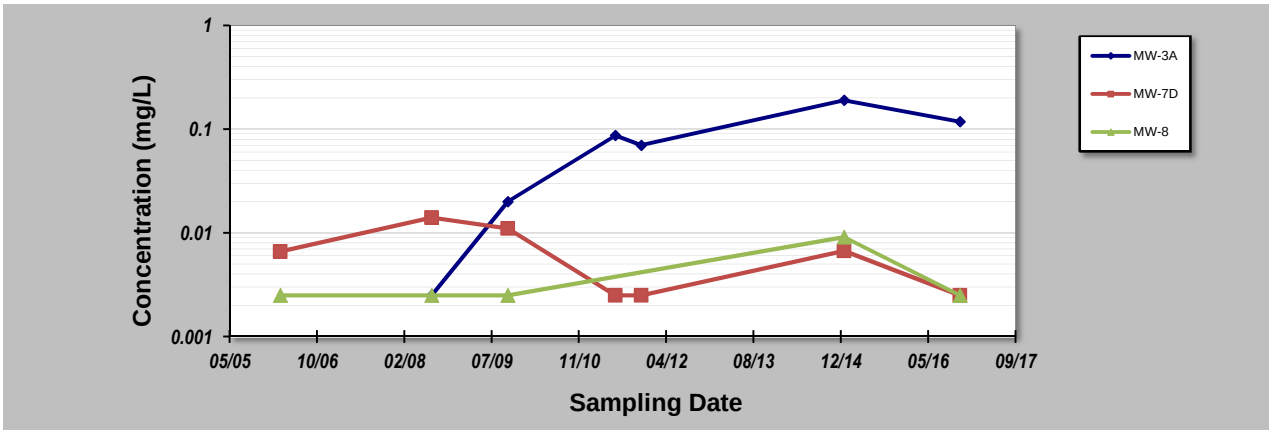
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	17-Jan-17	Job ID:	4468-14-083A
Facility Name:	Georgia DOT Jesup GA	Constituent:	TCE
Conducted By:	William Wagner	Concentration Units:	mg/L

Sampling Point ID:	MW-3A	MW-7D	MW-8				
Sampling Event	Sampling Date	TCE CONCENTRATION (mg/L)						
1	15-Mar-06		0.0066	0.0025				
2	29-Jul-08	0.0025	0.014	0.0025				
3	8-Oct-09	0.020	0.011	0.0025				
4	15-Jun-11	0.087	0.0025					
5	10-Nov-11	0.070	0.0025					
6	15-Jan-15	0.190	0.0067	0.0091				
7	9-Nov-16	0.118	0.0025	0.0025				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.84	0.70	0.77				
Mann-Kendall Statistic (S):		11	-8	2				
Confidence Factor:		97.2%	84.5%	59.2%				
Concentration Trend:		Increasing	Stable	No Trend				



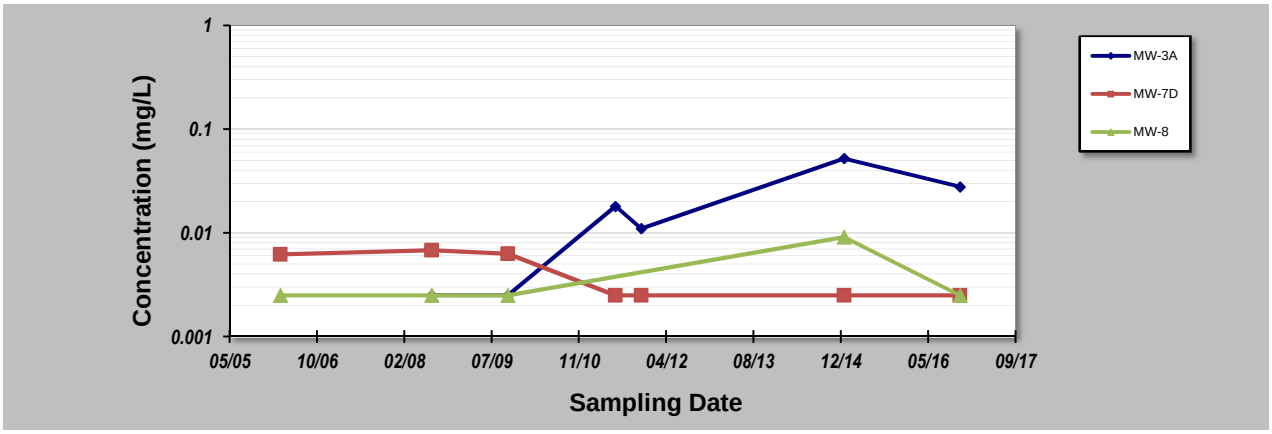
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	17-Jan-17	Job ID:	4468-14-083A
Facility Name:	Georgia DOT Jesup GA	Constituent:	1,1,2 TCA
Conducted By:	William Wagner	Concentration Units:	mg/L

Sampling Point ID:	MW-3A	MW-7D	MW-8				
Sampling Event	Sampling Date	1,1,2 TCA CONCENTRATION (mg/L)						
1	15-Mar-06		0.0062	0.0025				
2	29-Jul-08	0.0025	0.0068	0.0025				
3	8-Oct-09	0.003	0.0063	0.0025				
4	15-Jun-11	0.018	0.0025					
5	10-Nov-11	0.011	0.0025					
6	15-Jan-15	0.052	0.0025	0.0091				
7	9-Nov-16	0.0278	0.0025	0.0025				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.99	0.50	0.77				
Mann-Kendall Statistic (S):		10	-11	2				
Confidence Factor:		95.2%	93.2%	59.2%				
Concentration Trend:		Increasing	Prob. Decreasing	No Trend				



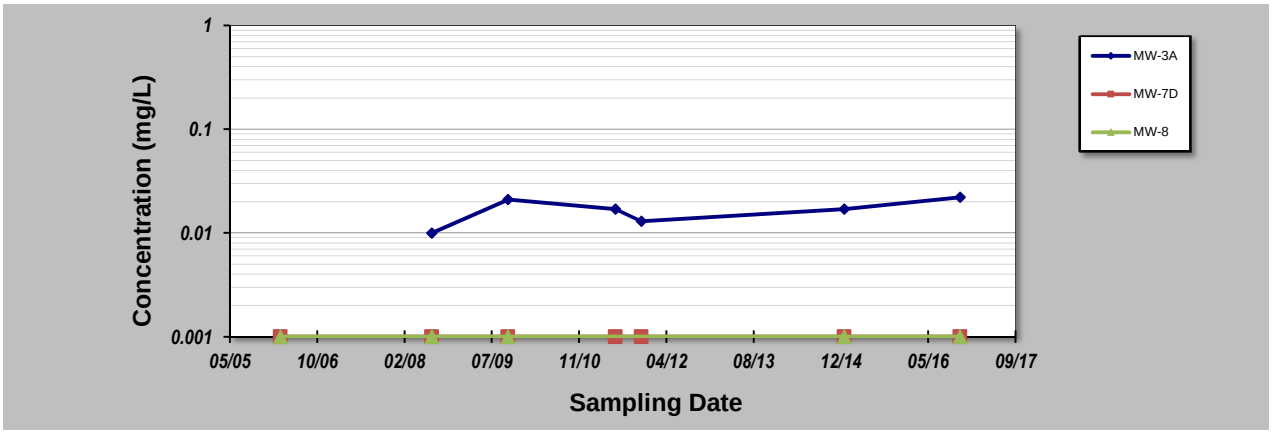
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	17-Jan-17	Job ID:	4468-14-083A
Facility Name:	Georgia DOT Jesup GA	Constituent:	1,1,1 TCA
Conducted By:	William Wagner	Concentration Units:	mg/L

Sampling Point ID:	MW-3A	MW-7D	MW-8				
Sampling Event	Sampling Date	1,1,1 TCA CONCENTRATION (mg/L)						
1	15-Mar-06		0.0010	0.0010				
2	29-Jul-08	0.010	0.0010	0.0010				
3	8-Oct-09	0.021	0.0010	0.0010				
4	15-Jun-11	0.017	0.0010					
5	10-Nov-11	0.013	0.0010					
6	15-Jan-15	0.017	0.0010	0.0010				
7	9-Nov-16	0.0221	0.0010	0.0010				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.28	0.00	0.00				
Mann-Kendall Statistic (S):		6	0	0				
Confidence Factor:		81.5%	37.9%	40.8%				
Concentration Trend:		No Trend	Stable	Stable				



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

Appendix VI – VISL Data

OSWER VAPOR INTRUSION ASSESSMENT
Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.45, November 2015 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Commercial	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (^{o}C)	Tgw	19	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR ($ug/m^3)^{-1}$	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i
107-06-2	Dichloroethane, 1,2-	2.0E-02	7.20E-04	1.5E-09	2.3E-05	2.60E-05	I	7.00E-03	P	
75-35-4	Dichloroethylene, 1,1-	1.2E+01	1.03E+01	No IUR	1.2E-02			2.00E-01	I	
79-34-5	Tetrachloroethane, 1,1,2,2-	3.4E+01	3.55E-01	1.7E-06	No RfC	5.80E-05	CA			
127-18-4	Tetrachloroethylene	8.6E-03	4.48E-03	9.5E-11	2.6E-05	2.60E-07	I	4.00E-02	I	
71-55-6	Trichloroethane, 1,1,1-	3.4E+01	1.82E+01	No IUR	8.3E-04			5.00E+00	I	
79-00-5	Trichloroethane, 1,1,2-	2.2E-01	5.33E-03	7.0E-09	6.1E-03	1.60E-05	I	2.00E-04	X	
79-01-6	Trichloroethylene	2.6E-01	7.81E-02	2.6E-08	8.9E-03	see note	I	2.00E-03	I	TCE
75-01-4	Vinyl Chloride	2.2E-02	2.12E-02	7.6E-09	4.8E-05	4.40E-06	I	1.00E-01	I	VC

Notes:

(1) **Inhalation Pathway Exposure Parameters (RME):**

Exposure Scenario	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Averaging time for carcinogens	(yrs)	ATc_R_GW	70	ATc_C_GW	70	ATc_GW	70
Averaging time for non-carcinogens	(yrs)	ATnc_R_GW	26	ATnc_C_GW	25	Atnc_GW	25
Exposure duration	(yrs)	ED_R_GW	26	ED_C_GW	25	ED_GW	25
Exposure frequency	(days/yr)	EF_R_GW	350	EF_C_GW	250	EF_GW	250
Exposure time	(hr/day)	ET_R_GW	24	ET_C_GW	8	ET_GW	8

(2) **Generic Attenuation Factors:**

Source Medium of Vapors	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Groundwater (-)	AFgw_R_GW	0.001	AFgw_C_GW	0.001	AFgw_GW	0.001
Sub-Slab and Exterior Soil Gas (-)	AFss_R_GW	0.03	AFss_C_GW	0.03	AFss_GW	0.03

(3) **Formulas**

Cia, target = MIN(Cia,c; Cia,nc)
Cia,c (ug/m3) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)
Cia,nc (ug/m3) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RfC x (1000 ug/mg) / (ED x EF x ET)

(4) **Special Case Chemicals**

Trichloroethylene

	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
mIURTCE	R_GW	1.00E-06	IURTCE_C_GW	0.00E+00	mIURTCE_GW	0.00E+00
IURTCE	R_GW	3.10E-06	IURTCE_C_GW	4.10E-06	IURTCE_GW	4.10E-06

Mutagenic Chemicals — The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

Age Cohort	Exposure Duration	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 25 This factor is used in the equations for mutagenic chemicals.

Vinyl Chloride — See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:

I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: http://www.epa.gov/iris/subst/index.html
P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: http://hhpprtv.ornl.gov/pprtv.shtml
A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: http://www.atsdr.cdc.gov/mrls/index.html
CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: http://epa-heast.ornl.gov/heast.shtml
S = See RSL User Guide, Section 5
X = PPRTV Appendix
Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).

OSWER VAPOR INTRUSION ASSESSMENT

Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.45, November 2015 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Commercial	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (^{o}C)	Tgw	19	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR ($ug/m^3)^{-1}$	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i

VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).

TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).

Yellow highlighting indicates site-specific parameters that may be edited by the user.

Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.

Pink highlighting indicates VI carcinogenic risk greater than the target risk for carcinogens (TCR) or VI Hazard greater than or equal to the target hazard quotient for non-carcinogens (THQ).

Appendix VII – Milestone Schedule

Voluntary Remediation Program Milestone Schedule

Site Name: Georgia DOT - Jesup District Office
Site Address: 204 North Highway 301, Jesup, Wayne County, Georgia
HSI Site No: 10742

Month*

Task:	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Groundwater Environmental Covenant																					
Proposed Monitoring Well Installation																					
Comprehensive Groundwater Sampling																					
Limited Groundwater Sampling																					
Compliance Status Report Submittal																					
HSI Delisting																					

* = Months beginning after submittal of current VRP Application