



**RELEASE
INVESTIGATION
REPORT**

Chamblissburg Supply
10625 Stewartsville Road
Vinton, Virginia 24179

PC# 2017-2298
Greene Project# CSVI1001

August 3, 2017

DEQ Case Manager:
Mr. Robert L. Howard

RELEASE INVESTIGATION REPORT

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10625 Stewartsville Road
Vinton, Virginia 24179
PC 2017-2298**

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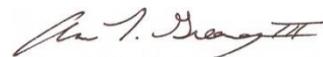
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EXECUTIVE SUMMARY

Release Investigation Report

On June 5, 2017, Ms. Debra Farkas contacted the Virginia Department of Environmental Quality (VA DEQ) and reported suspected petroleum in the drinking water well (DW02A) providing potable water to her property. Laboratory analytical results of a water sample collected from DW02A confirmed the presence of petroleum contamination. Based on the confirmed impact to DW02A, the VA DEQ assigned a suspected release, opened a Pollution Complaint, and issued a Release Investigation and Reporting letter to the Chamblissburg Supply facility.

A review of the current underground storage tank (UST) system components did not indicate any known compliance issues or an ongoing release at the facility. However, due to the suspected presence of check valves at the tanks, line tightness testing was unable to be performed during this phase of investigation. Historical data research indicated the VA DEQ noted multiple compliance issues at the site, and limited residual phase petroleum contamination was observed during a baseline environmental assessment performed in 2002. However, historical research indicates no prior Pollution Complaint cases have been opened at the facility and the compliance issues appear to have been properly addressed.

To date, vapor phase, residual phase, and dissolved phase petroleum contamination have been encountered in the subsurface at the Chamblissburg Supply facility. During this phase of investigation soil samples collected from soil borings installed proximal to the gasoline UST system yielded total petroleum hydrocarbons-gasoline range organics (TPH-GRO) concentrations above the 8,300 milligrams per kilogram (mg/kg) value recognized by the VA DEQ as indicating gasoline saturation. In addition, groundwater samples collected from the onsite supply well (DW01A) and offsite supply wells DW02A, DW03A, DW04A, DW05A, and DW07A yielded evidence of petroleum contamination.

Due to the presence of petroleum saturated soils and significant petroleum impact to the onsite supply well, DW01A, it appears the Chamblissburg Supply is or was the source for the petroleum currently impacting the drinking water within the area. As a result, Greene recommends additional work be performed at the site to include soil boring/monitoring well installation, product, groundwater, drinking water, and surface water sampling, and aquifer characterization.

This Executive Summary is an integral part of the Release Investigation Report. Greene recommends that the report be read in its entirety.

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RELEASE INVESTIGATION REPORT

for
Chamblissburg Supply
Vinton, VA

1.0 Introduction

On June 15, 2017, Mr. Mark Dudley contacted Greene Environmental Services, LLC (Greene) regarding a suspected release of petroleum at the Chamblissburg Supply (dba Elei's) facility located at 10625 Stewartsville Road within Bedford County, Virginia. Mr. Dudley stated that The Estate of Lacy Dudley received a letter from the Virginia Department of Environmental Quality (VA DEQ) indicating a suspected gasoline petroleum release at the Chamblissburg Supply facility. In a letter dated June 12, 2017, the Blue Ridge Regional Office (BRRO) of the VA DEQ issued the site Pollution Complaint (PC) #2017-2298 and requested that Release Investigation and Reporting be conducted at the site. On behalf of The Estate of Lacy Dudley, Greene has prepared this Release Investigation Report (RIR) for the Chamblissburg Supply facility. A more detailed description of the initial release reporting activities is provided in Section 3.0 of this report. A copy of the VA DEQ request letter dated June 12, 2017 is included in Appendix E of this report.

2.0 Site Assessment**2.1 Site Location and Description**

The subject property is an approximately 3.5-acre parcel located at 10625 Stewartsville Road in a primarily residential area within the limits of Bedford County, Virginia. The subject site is improved with a single-story building that currently serves as the Chamblissburg Supply (dba Elei's). It is believed that the site has operated as a retail gasoline station and convenience store from approximately 1978 to present. The property currently maintains one 4,000-gallon gasoline underground storage tank (UST), two 5,000-gallon gasoline USTs, one 6,000-gallon gasoline UST, one 1,000-gallon diesel fuel UST, and one 1,000-gallon kerosene UST. In addition the site maintains three gasoline dispensers and associated canopy, one diesel fuel dispenser, and one kerosene dispenser.

The subject site is further improved with a single-story building currently serving as the Stewartsville – Chamblissburg Volunteer Fire Department Station 2, three storage buildings, and asphalt, concrete, and gravel access and parking areas. The subject site obtains potable water from a drilled supply well (DW01A) located approximately 160 feet east of the shared gasoline UST basin and approximately 70 feet east of the shared diesel fuel and kerosene UST basin. On July 5, 2017, the Bedford Regional Water Authority (BRWA) stated the nearest public water supply line is located approximately 4.5 miles west of

the Chamblissburg Supply and there are currently no plans to extend municipal water to the subject property. The site is bordered by Stewartville Road to the southwest, the Beaverdam Baptist Church property to the northwest, an undeveloped wooded area to the northeast, and a residential parcel to the southeast. Table 1 - Summary of UST Information is included in Appendix A, Page 1. A Site Map documenting pertinent features of the site and surrounding area is included in Appendix B.

2.2 Topography

The subject site is located at 10625 Stewartville Road within the limits of Bedford County, Virginia. According to the U.S. Geological Survey 7 ½ Minute Series Topographic Map of the Irving Quadrangle, Virginia, the site elevation is approximately 1,060 feet above mean sea level. At its closest point, the nearest identified surface water body is an unnamed intermittent tributary to a pond draining to East Fork Beaverdam Creek located approximately 700 feet to the northeast of the shared gasoline UST basin and approximately 620 feet northeast of the shared diesel fuel and kerosene UST basin. An aerial map and topographic map of the subject site are included in Appendix B.

2.3 Local Geology

Greene reviewed the Geologic Map of Virginia prepared by the Commonwealth of Virginia, Department of Mines, Minerals, and Energy. Published geologic information indicates that local geologic structures are primarily comprised of layered biotite granulite and gneiss. This rock formation is described in detail below:

Layered Biotite Granulite and Gneiss: Leucocratic to mesocratic, segregation-layered quartzofeldspathic granulite and gneiss contain quartz, plagioclase (albite), microcline (includes assemblages with one alkali feldspar), biotite, ilmenite, and titanite; garnet and horn blende are commonly present. Accessory minerals include apatite and zircon. Epidote and white mica are ubiquitous secondary minerals. Relict pyroxene, largely replaced by actinolitic amphibole, occurs locally. Segregation layering is defined by alternating quartzofeldspathic and biotite-rich domains on the order of a few millimeters to centimeters thick. Quartz and feldspar are granoblastic; biotite defines a penetrative schistosity that crosscuts segregation layering. Migmatitic leucosomes composed of alkali feldspar and blue quartz cut segregation layering, and locally define attenuated isoclinal folds.

The above description was obtained from the Geologic Map of Virginia – Expanded Explanation (1993).

3.0 Initial Release Reporting

On June 5, 2017, Ms. Debra Farkas contacted the VA DEQ and reported suspected petroleum in the drinking water well providing potable water to her property addressed as 10590 Stewartsville Road within Bedford County, Virginia. Based on the suspected impact by petroleum, a VA DEQ State Lead contractor collected a drinking water sample from the Farkas supply well (DW02A) on June 5, 2017. Laboratory analytical results yielded total petroleum hydrocarbons-gasoline range organics (TPH-GRO), benzene, and methyl-tert butyl ether (MTBE) concentrations of 994 micrograms per liter ($\mu\text{g/L}$), 2.91 $\mu\text{g/L}$, and 138 $\mu\text{g/L}$, respectively. Further, isopropyl ether (DIPE), 1,2-dichloroethane, and 1,2,4-trimethylbenzene concentrations of 8.55 $\mu\text{g/L}$, 23.1 $\mu\text{g/L}$, and 9.04 $\mu\text{g/L}$, respectively, were observed in the water sample collected on June 5, 2017.

Subsequent to receiving the results on June 8, 2017, the State Lead contractor reported the release to the BRRO of the VA DEQ on June 9, 2017. In a letter dated June 12, 2017, the BRRO of the VA DEQ issued the Chamblissburg Supply facility Pollution Complaint (PC) #2017-2298 and requested that Release Investigation and Reporting be conducted at the site. A copy of the VA DEQ request letter dated June 12, 2017 is included in Appendix E of this report.

4.0 Release Investigation Activities

In an attempt to identify the source of petroleum impacting drinking water in the area, Greene performed release investigation activities at the subject site. This phase of work included tank tightness testing, investigation of the current release detection system, historical research, soil boring installation and sampling, and a quarter-mile receptor survey and drinking water sampling. A summary of the activities performed at the Chamblissburg Supply during this phase of investigation is provided in the following sections. Due to the nature of this project, multiple activities were performed over a span of approximately two months. In order to clarify the order of events, a timeline outlining the activities has been provided below:

Timeline of Events

- June 5, 2017:
 - The VA DEQ was notified of a suspected petroleum impacted drinking water well.
 - A VA DEQ State Lead contractor collected the Farkas supply well (DW02A) drinking water sample.

- June 8, 2017:
 - The laboratory analytical report for the DW02A drinking water sample was submitted to the State Lead contractor.

- June 9, 2017: • The State Lead contractor reported the petroleum impacted supply well (DW02A) to the VA DEQ.
- June 12, 2017: • The BRRO of the VA DEQ issued the site PC 2017-2298 and requested RIR.
- June 15, 2017: • The Estate of Lacy Dudley contracted Greene Environmental to perform the requested RIR activities.
• Greene submitted a Freedom of Information Act (FOIA) request to the VA DEQ.
- June 16, 2017: • Greene performed a ¼-mile radius receptor survey.
• Greene collected drinking water samples from receptors DW01A, DW03A, DW04A, DW09A, DW19A, DW31A, DW32A, and DW33A.
• Greene personnel observed a potential petroleum odor in DW01A.
• Greene delivered drinking water to the Farkas Residence (P02).
- June 19, 2017: • Greene received laboratory analytical results for DW01A, DW03A, DW04A, DW09A, DW19A, DW31A, DW32A, and DW33A.
• Greene reported the impacted wells (DW01A, DW03A, and DW04A) to the VA DEQ and property owners.
- June 20, 2017: • Greene delivered drinking water to the Dudley Property (P03) and the Houck Residence (P04).
• Greene collected drinking water samples from receptors DW05A, DW06B, DW07A, DW09A, DW11A, and DW12A.
• Greene received an electronic file package in response to the FOIA request.
- June 23, 2017: • Greene received laboratory analytical results for DW05A, DW06B, DW07A, DW09A, DW11A, and DW12A.
• Greene reported the impacted wells (DW05A and DW07A) to the VA DEQ, property owners, and users (Franklin Residence).
• Greene delivered drinking water to the Thomas Residence (P05), the Franklin Residence (P06), and the Scott Residence (P07).
- June 28, 2017: • Greene collected drinking water samples from receptors DW19A, DW31A, DW32A, and DW33A.
• Greene contracted Environmental Solutions to perform tank tightness testing; all six tanks passed tightness testing.
- June 30, 2017: • Greene contracted Davidson Drilling, Inc. to install 15 soil borings proximal to the onsite petroleum UST system components.
• Significant residual phase petroleum contamination was encountered during soil boring installation.
• Greene delivered drinking water to the Franklin Residence (P06).
- July 3, 2017: • Greene collected drinking water samples from receptors DW08A and DW08B.
- July 12, 2017: • Greene delivered drinking water to the Franklin Residence (P06).

4.1 Tank Tightness Testing

On June 28, 2017, Greene contracted Environmental Solutions (ES) of Cloverdale, Virginia to conduct UST system tightness testing. ES utilized the EZY 3 Locator Plus tank testing system, which is capable of detecting a 0.1 gallon per hour leak rate, to perform assessments on the six regulated UST systems. Subsequent to testing, ES concluded that the six USTs located at the Chamblissburg Supply facility met the standards set forth by the United States Environmental Protection Agency (US EPA) for a tight tank. A copy of the Tank Tightness Report dated June 28, 2017 is included in Appendix E of this report.

4.2 Line Tightness Testing

As part of tank tightness testing activities performed on June 28, 2017, Environmental Solutions attempted to test the product lines for the six USTs. Based on current VA DEQ tank database information the product lines associated with the six USTs at the Chamblissburg Supply are exempt from release detection. This is likely due to the belief that check valves/foot valves have been removed from the tanks and installed beneath the dispenser pumps. However, ES was unable to observe the vacuum, which had been applied the USTs, at three of the four respective gasoline product lines. Specifically, subsequent to loosening a union located beneath each gasoline dispenser ES observed no evidence of the vacuum on the product line or a loss of vacuum at the tank, likely indicating check valves/foot valves still remain at the tanks. Due to plumbing restrictions, the presence or absence of the UST vacuum at the fourth gasoline product line was unable to be confirmed. As a result, line tightness testing was unable to be performed during tank testing activities. A retrofit to the current lines system will be required to allow for tightness testing of the product lines.

4.3 Review of Current System Components

The Chamblissburg Supply petroleum tank system consists of four gasoline USTs located within a shared tank basin, a diesel fuel UST and a kerosene UST located within a shared tank basin, three gasoline dispensers, one diesel fuel dispenser, and one kerosene dispenser. Based on current VA DEQ tank database information all six tanks are coated and cathodically protected with an impressed current system. The product lines are reportedly galvanized steel and maintain an impressed current cathodic protection system. Release detection, spill prevention, and overflow protection devices and alarms have been installed at the facility and appear to be functioning properly.

The cathodic protection system passed during the most recent test performed on October 21, 2016. Automatic tank gauging (ATG) data indicated the tanks passed release detection on June 13, 2017 with exception to the premium gasoline tank, which indicated an insufficient product level within tank for accurate testing to be performed. However, ATG data from May 30, 2017 indicated the premium tank

passed release detection. As a result, review of the current UST system(s) components and current tank tightness testing results (presented in Section 4.1) did not yield evidence of an ongoing release at the Chamblissburg Supply and the petroleum UST system(s) appear to be in compliance. However, as stated in Section 4.2 tightness testing was unable to be performed on the product lines during this phase of investigation. Copies of the cathodic protection test and ATG data are included in Appendix E.

4.4 Review of Historical Data

On June 15, 2017, Greene submitted a Freedom of Information Act (FOIA) Request Form to the BRRO of the VA DEQ requesting information associated with the Chamblissburg Supply (Facility ID 2007350). On June 20, 2017, Greene received an electronic file package associated with the subject site. During this RIR an extensive review of the historic data obtained from the VA DEQ was performed in an attempt to identify a source for the petroleum impacted drinking water identified within the area.

Based on historical research it appears that the six regulated USTs were installed at the Chamblissburg Supply facility in 1978. Upgrades to the UST system(s) have included installation of a fiberglass lining in the 4,000-gallon gasoline UST, cathodic protection, spill prevention devices, overfill prevention devices, and an automatic tank gauging (ATG) system for release detection. The VA DEQ has noted multiple compliance issues with the Chamblissburg Supply facility between the installation of the tanks in 1978 and 2015. Further, limited residual phase petroleum contamination was observed during a baseline environmental assessment performed in 2002. However, historical research indicates no prior Pollution Complaint cases have been opened at the facility and the compliance issues appear to have been properly addressed. It should be noted that historical research appears to indicate that a lessee, Eagle Petroleum Company, LLC (Eagle), operated the UST system(s) and was responsible for the associated compliance from approximately 1997 to 2003. A summary of the historical research is provided below:

Summary of Historical Research*

- April 22, 1978: • The six USTs were installed at the facility.
- April 22, 1986 • The VA DEQ 7530 form indicated the tank owner was Lacy Dudley.
- July 23, 1996: • A cathodic protection system was installed.
- July 11, 1997: • An amended 7530 form was submitted to the VA DEQ stating the cathodic protection system had been installed and that the 4,000 gallon (gasoline) UST had been fiberglass lined.

- August 7, 1997: • A VA DEQ letter regarding the Chamblissburg Supply facility stating that the UST system(s) were in compliance was sent to Eagle.
- June 16, 1999: • A VA DEQ Warning Letter indicating apparent compliance issues with upgrading UST system(s) to meet requirements by December 22, 1998 was sent to Eagle.
• A VA DEQ letter indicating a suspected release due to failed inventory control for March, April, and May of 1999 was sent to Eagle. Tightness testing was requested for one of the 5,000 gallon (gasoline) and the 6,000 gallon (gasoline) USTs. No Pollution Complaint case was opened.
- June 18, 1999: • A 7530 form indicated the tank owner was Eagle Petroleum Company, LLC. It also indicated that overfill and spill prevention devices had been installed.
- June 29, 1999: • Eagle submitted the cathodic protection rectifier data and tightness test results requested in the June 16, 1999 letter to the VA DEQ. The 5,000 gallon (gasoline) and 6,000 gallon (gasoline) tanks passed tightness testing.
- July 22, 1999: • A VA DEQ letter indicating the facility was in compliance was sent to Eagle.
- August 6, 1999: • A VA DEQ phone log indicated Eagle was informed of compliance issues and indicated inspections would be performed.
- August 10, 1999: • Eagle submitted the requested information from the VA DEQ phone call on August 6, 1999, with exception of the required retesting of the cathodic protection system.
- September 10, 1999: • Eagle submitted the passing results of the cathodic protection system.
• The two 1,000 gallon (diesel fuel and kerosene), 4,000 gallon (gasoline), and one of the 5,000 gallon (gasoline) tanks passed tank tightness testing on September 8, 1999.
- October 23, 2001: • A VA DEQ letter indicating compliance issues noted during the October 18, 2001 inspection was sent to Eagle. The letter requested written documentation that stick measurements will be recorded to the nearest 1/8 inch, an updated registration, and cathodic protection rectifier documentation.
- January 28, 2002: • A VA DEQ Warning Letter indicating the information requested on October 23, 2001 had not been submitted was sent to Eagle.
- March 28, 2002: • A VA DEQ Notice of Violation Letter indicating the information requested on October 23, 2001 had not been submitted was sent to Eagle.
- April 22, 2002: • ATC Associates, Inc. (ATC) performed a baseline environmental assessment at the Chamblissburg Supply.
• ATC installed five soil borings to approximately 25 feet below the ground surface via direct push technology.
• Soil sample analytical results yielded TPH-GRO concentrations of 0.5 milligrams per kilogram (mg/kg) and 0.2 mg/kg.

- April 22, 2002 (Cont'd):
- Soil sample analytical results yielded reportable MTBE, naphthalene, acetone, and methyl ethyl ketone concentrations of 0.073 mg/kg, 0.018 mg/kg, 0.50 mg/kg, and 0.11 mg/kg, respectively.
- June 14, 2002:
- ATC submitted the baseline environmental assessment to Cary Oil Company, Inc. (Cary) and Eagle.
- July 1, 2002:
- The VA DEQ received a copy of the ATC baseline environmental assessment.
- August 21, 2003:
- The VA DEQ sent a Revised Draft Consent Order to Eagle.
- October 14, 2003
- The VA DEQ performed an inspection of the facility.
 - Mr. Lacy Dudley stated during inspection that Eagle never owned the tanks.
 - A 7530 form was submitted, which indicated Lacy Dudley as the tank owner and the installation of an ATG system.
- November 13, 2003:
- A VA DEQ letter indicating release detection compliance issues with the premium gasoline UST and kerosene UST due to errors in ATG as a result of insufficient product levels within tanks for accurate testing to be performed was sent to Lacy Dudley.
- January 12, 2004:
- A VA DEQ letter indicating Special Order Proceedings to be held was sent to Eagle.
- March 6, 2009:
- A VA DEQ letter indicating release detection compliance issues with the 4,000 gallon (gasoline) and 1,000 gallon (kerosene) USTs due to errors in ATG as a result of insufficient product levels within tanks for accurate testing to be performed was sent to Lacy Dudley.
- April 2, 2009:
- Lacy Dudley submitted the requested plus and kerosene UST ATG records.
- April 4, 2012:
- The VA DEQ performed an inspection of the facility.
 - The VA DEQ noted a compliance issue with the 1,000 gallon (kerosene) UST due to insufficient ATG records.
- July 2, 2015:
- The VA DEQ performed an inspection of the facility.
 - The VA DEQ noted compliance issues with emergency response procedures not being kept onsite and not having a Class A, Class B, or Class C operator onsite during operation hours.

*The above information has been derived from file documents provided by the VA DEQ in response to a FOIA request submitted on June 15, 2017 and is limited to and as accurate as the file contents.

4.5 Soil Boring Installation

On June 30, 2017, a subsurface investigation was performed at the Chamblissburg Supply facility. Davidson Drilling, Inc. (DDI) was contracted to install multiple soil borings at the subject site. DDI

utilized a track-mounted direct push drill rig to advance 15 soil borings proximal to the current UST system(s) located at the facility; however, rod refusal was observed prior to encountering groundwater. The soil borings were installed in an effort to identify any sources of petroleum that may be degrading the quality of the groundwater and to delineate any observed petroleum contamination located at the subject site. Soil boring locations are included on the Soil Boring Location Map provided in Appendix B. Soil Boring Logs are provided as Appendix C. A summary of the soil borings is provided below:

Soil boring B01 was installed proximal to UST #3 and the gasoline dispenser island. DDI utilized a track-mounted direct push drill rig to install soil boring B01 until rod refusal was observed approximately 32.5 feet below ground surface (bgs). During boring B01 installation a petroleum odor was observed from approximately 5.0 feet bgs to termination of the boring.

Soil boring B02 was installed proximal to the east side of the shared gasoline UST basin. DDI utilized a track-mounted direct push drill rig to install soil boring B02 to approximately 20.0 feet bgs. During boring B02 installation a petroleum odor was observed from approximately 5.0 feet bgs to termination of the boring.

Soil boring B03 was installed proximal to the northeast corner of the shared gasoline UST basin. DDI utilized a track-mounted direct push drill rig to install soil boring B03 to approximately 20.0 feet bgs. During boring B03 installation a slight petroleum odor was observed from approximately 5.0 feet bgs to termination of the boring.

Soil boring B04 was installed proximal to the north end of UST #3. DDI utilized a track-mounted direct push drill rig to install soil boring B04 to approximately 20.0 feet bgs. During boring B04 installation a slight petroleum odor was observed only near the termination of the boring.

Soil boring B05 was installed proximal to the north ends of UST #5 and UST #6. DDI utilized a track-mounted direct push drill rig to install soil boring B05 to approximately 20.0 feet bgs. A petroleum odor was not observed during boring B05 installation.

Soil boring B06 was installed proximal to the north end of UST #4. DDI utilized a track-mounted direct push drill rig to install soil boring B06 to approximately 20.0 feet bgs. A petroleum odor was not observed during boring B06 installation.

Soil boring B07 was installed proximal to the west side of UST #4. DDI utilized a track-mounted direct push drill rig to install soil boring B07 to approximately 20.0 feet bgs. During boring B07 installation a slight petroleum odor was observed from approximately 15 feet bgs to termination of the boring.

Soil boring B08 was installed proximal to the west side of UST #4. DDI utilized a track-mounted direct push drill rig to install soil boring B08 to approximately 20.0 feet bgs. During boring B08 installation a slight petroleum odor was observed from approximately 15 feet bgs to termination of the boring.

Soil boring B09 was installed proximal to the south side of UST #4. DDI utilized a track-mounted direct push drill rig to install soil boring B09 to approximately 20.0 feet bgs. During boring B09 installation a slight petroleum odor was observed from approximately 15 feet bgs to termination of the boring.

Soil boring B10 was installed proximal to the south side of UST #6. DDI utilized a track-mounted direct push drill rig to install soil boring B10 to approximately 20.0 feet bgs. During boring B10 installation a petroleum odor was observed from approximately 10 feet bgs to termination of the boring.

Soil boring B11 was installed proximal to the gasoline dispenser island. DDI utilized a track-mounted direct push drill rig to install soil boring B11 until rod refusal was observed approximately 31.75 feet below ground surface (bgs). During boring B11 installation a petroleum odor was observed from approximately 5.0 feet bgs to termination of the boring.

Soil boring B12 was installed proximal to the gasoline dispenser island. DDI utilized a track-mounted direct push drill rig to install soil boring B12 to approximately 20.0 feet bgs. During boring B12 installation a petroleum odor was observed from approximately 5.0 feet bgs to termination of the boring.

Soil boring B13 was installed proximal to the kerosene and diesel fuel shared UST basin and dispenser island. DDI utilized a track-mounted direct push drill rig to install soil boring B13 to approximately 20.0 feet bgs. During boring B13 installation a petroleum odor was observed from approximately 5.0 feet bgs to termination of the boring.

Soil boring B14 was installed proximal to the west side of the kerosene and diesel fuel shared UST basin. DDI utilized a track-mounted direct push drill rig to install soil boring B14 to approximately 20.0 feet bgs. A petroleum odor was not observed during boring B14 installation.

Soil boring B15 was installed proximal to the kerosene and diesel fuel shared UST basin and dispenser island. DDI utilized a track-mounted direct push drill rig to install soil boring B15 to approximately 20.0 feet bgs. During boring B15 installation a petroleum odor was observed from approximately 15.0 feet bgs to termination of the boring.

4.6 Contamination Characterization

The following sections describe Greene's delineation of subsurface petroleum constituents detected during this investigation.

4.6.1 Vapor Phase

It should be noted that a true soil gas survey has not been conducted at this site. Any discussion of soil vapors pertains to photoionization detector (PID) readings observed during the screening of soil samples collected during borehole logging. As such, any readings are indicative of a mixture of soil gases and the newly volatilized petroleum vapors resulting from the disturbance of residual phase contamination.

Nevertheless, vapor phase contamination is expected to exist beneath the site. During installation of soil borings B01-B15, Greene collected soil samples at approximately five foot intervals. The soil samples collected during boring activities were collected for visual inspection, lithologic characterization, and headspace screening for the presence of volatile organic compound (VOC) vapors typically associated with petroleum fuels. Portions of each recovered soil sample were retained in plastic Zip-Loc™ bags for headspace analysis. Sample temperature was allowed to equilibrate for approximately fifteen minutes at a minimum temperature of 68 °F prior to screening. Headspace screening was performed using a Mini-RAE 3000 PID calibrated to a 100 parts per million (ppm) isobutylene standard. This instrument detects VOC vapors within a range of 0.1 ppm to 15,000 ppm. Headspace analysis involved the insertion of the sample probe portion of the PID into the equilibrated sample bag. The maximum reading obtained upon insertion of the probe was recorded for each sample. Headspace analyses revealed elevated (>50.0 ppm) VOC vapor concentrations at soil borings B01, B02, B03, B04, B05, B10, B11, B12, B13, B14, and B15. Headspace readings are included on the Soil Boring Logs provided as Appendix C. Table 2 – Summary of Field Screening Results is included in Appendix A, Page 2.

4.6.2 Residual Phase

During drilling activities, soil samples were collected using clean, disposable, nitrile gloves, stored on ice, and those selected for analysis were entered onto a chain of custody document and transported via courier to the REI Consultants, Inc. (REIC) laboratory in Beaver, WV. The submitted soil samples were analyzed for TPH-GRO and TPH-diesel range organics (DRO) via EPA method 8015, benzene, toluene, ethylbenzene, xylenes (BTEX), MTBE, and naphthalene via EPA method 8260. Analytical results of the soil sample submitted from soil boring B07 yielded Non Detected at laboratory method detection limits, while analytical results of soil samples from borings B04, B05, B10, and B15 yielded evidence of limited residual phase petroleum contamination. However, analytical results of soil samples collected from B01, B02, B11, B12, and B13 yielded evidence of significant residual phase petroleum contamination. In fact, analytical results of soil samples collected from soil borings B01, B11, and B12 yielded TPH-GRO concentrations of 13,200 mg/kg, 10,300 mg/kg, and 25,900 mg/kg, respectively, which are above the 8,300 mg/kg value recognized by the VA DEQ as indicating gasoline saturation.

Based on the residual phase analytical results obtained during this phase of investigation evidence of petroleum contamination capable of impacting groundwater has been observed proximal to the gasoline UST system and the diesel fuel/kerosene UST system. Table 3 - Summary of Soil Boring Residual Phase Analytical Results is included in Appendix A, Page 5. Copies of the laboratory results and chain of custody documentation are included in Appendix D.

4.6.3 Dissolved Phase

It should be noted that shallow groundwater was not encountered at the Chamblissburg Supply facility during this phase of investigation. During soil boring installation activities multiple attempts to collect a shallow groundwater sample were unsuccessful due to rod refusal being observed prior to encountering groundwater. However, petroleum impact of multiple supply wells in the immediate area indicates the presence of dissolved phase contamination in the deep water aquifer, which is likely associated with the subject site.

As part of RIR activities, Greene collected groundwater samples from onsite supply well DW01A and offsite supply wells DW03A, DW04A, DW05A, DW06B, DW07A, DW08A, DW08B, DW09A, DW11A, DW12A, DW19A, DW31A, DW32A, and DW33A. In addition, Greene attempted to collect a sample from receptor DW10A; however, the property owner denied access to collect the drinking water sample. Further, a State Lead contractor collected a drinking water sample from offsite supply well DW02A on June 5, 2017.

The drinking water samples collected by Greene were collected from inside faucets, inside spigots, or outside spigots subsequent to allowing the water to flow for approximately 10 minutes. Clean disposable nitrile gloves were used during all phases of sample collection. The supply well water samples were collected in the appropriate samples containers, stored on ice, and transported via courier to the REIC laboratory in Beaver, WV. The supply well water samples were submitted for VOCs analysis via EPA method 8260 and ethylene dibromide (EDB) and dibromochloropropane (DBCP) analysis via EPA method 8011. Copies of the laboratory results and chain of custody documentation are included in Appendix D.

The water samples collected from offsite supply wells DW06B, DW08A, DW08B, DW09A, DW11A, DW12A, DW19A, DW31A, DW32A, and DW33A yielded Non Detected for chemicals typically associated with petroleum contamination at method detection limits (MDLs). However, analytical results of the drinking water samples collected from receptors DW01A, DW02A, DW03A, DW04A, DW05A, and DW07A yielded evidence of dissolved phase petroleum contamination. Certain analytes were flagged with J qualifiers and are considered estimates due to the reported results being below the practical quantitation limit (PQL) and equal to or above the MDL, or being below the reporting limit (RL) and equal to or above the quantitation limit (QL). As a result, it is likely the analytes are present in the samples, but the results should be viewed only as qualitative and not quantitative. Table 4 - Summary of Supply Well Dissolved Phase Analytical Results is included in Appendix A, Page 6. Laboratory analytical results collected on behalf of the VA DEQ Alternate Water Supply (AWS) program also have been included in Table 4; however, copies of the laboratory results and chain of custody documentation for the samples collected on behalf of the VA DEQ AWS program are not included in this report and any request for this documentation should be made to the VA DEQ AWS program. A summary of the drinking water well dissolved phase analytical results is provided below:

The groundwater samples collected during this phase of investigation from onsite supply well DW01A yielded measurable benzene, toluene, ethylbenzene, xylenes, MTBE, naphthalene, EDB, tert-amyl alcohol (TAA), tert-butanol (TBA), isopropyl ether (DIPE), bromodichloromethane, sec-butylbenzene, chlorobenzene, chloroform, 2-chlorotoluene, 4-chlorotoluene, dibromochloromethane, 1,2-dichloroethane, 1,2-dichloropropane, isopropylbenzene, 4-methyl-2-pentanone, and n-propylbenzene dissolved phase petroleum contamination. Reported toluene, sec-butylbenzene, and chloroform concentrations were flagged with J qualifiers.

The groundwater sample collected during this phase of investigation from offsite supply well DW02A yielded measurable TPH-GRO, benzene, MTBE, 1,2-dichloroethane, 1,2,4-trimethylbenzene, and DIPE dissolved phase petroleum contamination.

The groundwater samples collected during this phase of investigation from offsite supply well DW03A yielded measurable MTBE, chloroform, and 1,2-dichloroethane, and DIPE dissolved phase petroleum contamination. Reported chloroform and DIPE concentrations were flagged with J qualifiers.

The groundwater samples collected during this phase of investigation from offsite supply well DW04A yielded measurable benzene, MTBE, 1,2-dichloroethane, TAA, and DIPE dissolved phase petroleum contamination. The reported DIPE concentration was flagged with a J qualifier.

The groundwater samples collected during this phase of investigation from offsite supply well DW05A yielded measurable MTBE dissolved phase petroleum contamination. Reported MTBE concentrations were flagged with J qualifiers.

The groundwater sample collected during this phase of investigation from offsite supply well DW06B yielded Non Detected for all analytes at MDLs.

The groundwater samples collected during this phase of investigation from offsite supply well DW07A yielded measurable MTBE dissolved phase petroleum contamination.

The groundwater sample collected during this phase of investigation from offsite supply well DW08A yielded Non Detected for all analytes at MDLs.

The groundwater sample collected during this phase of investigation from offsite supply well DW08B yielded Non Detected for all analytes at MDLs.

The groundwater samples collected during this phase of investigation from offsite supply well DW09A yielded Non Detected for all analytes at MDLs.

The groundwater sample collected during this phase of investigation from offsite supply well DW11A yielded Non Detected for all analytes at MDLs.

The groundwater sample collected during this phase of investigation from offsite supply well DW12A yielded Non Detected for all analytes at MDLs.

The groundwater samples collected during this phase of investigation from offsite supply well DW19A yielded Non Detected for all analytes at MDLs.

The groundwater samples collected during this phase of investigation from offsite supply well DW31A yielded Non Detected for all analytes at MDLs.

The groundwater samples collected during this phase of investigation from offsite supply well DW32A yielded Non Detected for all analytes at MDLs.

The groundwater samples collected during this phase of investigation from offsite supply well DW33A yielded Non Detected for all analytes at MDLs.

4.6.4 Free Phase

Free phase petroleum was not observed during this phase of the investigation. However, soil samples collected from soil borings B01, B11, and B12 yielded TPH-GRO concentrations of 13,200 mg/kg, 10,300 mg/kg, and 25,900 mg/kg, respectively, which are above the 8,300 mg/kg value recognized by the VA DEQ as indicating gasoline saturation. As stated in the VA DEQ Storage Tank Program Technical Manual, petroleum saturated soils are likely to contribute to or result in free product formation at the subject site.

4.7 ¼-Mile Radius Receptor Survey

On June 16, 2017, a ¼-mile radius receptor survey was performed to identify potential receptors to the confirmed petroleum contamination. One commercial property, one church property, 32 residential properties, and five agricultural/undeveloped properties were identified during this phase of investigation. At each of the 39 properties/parcels the presence of a drinking water well, spring, or additional potential receptor to petroleum contamination was attempted to be confirmed. In situations where no one was able to be located at a property/parcel, a contact letter was left in a conspicuous location and a limited visual inspection was performed. Results of the ¼-mile radius receptor survey performed on June 16, 2017 and additional follow-up activities have identified 36 drilled, bored, or hand dug supply wells and one pond. In addition, topographic information indicates the nearest identified surface water body is an unnamed intermittent tributary to a pond draining to East Fork Beaverdam Creek located approximately 700 feet to the northeast of the shared gasoline UST basin and approximately 620 feet northeast of the shared diesel

fuel and kerosene UST basin. Table 6 - Summary of the ¼-Mile Radius Receptor Survey Results is included in Appendix A, Page 11. The locations of the potential receptors are included on the Potential Receptors Location Map provided in Appendix B.

As part of the receptor survey performed on June 16, 2017, drinking water samples were collected from the onsite supply well (DW01A) and offsite supply wells DW03A, DW04A, DW09A, DW19A, DW31A, DW32A, and DW33A. Analytical results of the drinking water samples collected from receptors DW09A, DW19A, DW31A, DW32A, and DW33A yielded Non Detected for all analytes at the MDLs. However, the analytical results of the DW01A (Chamblissburg Supply) water sample yielded measurable benzene (751 µg/L), toluene (0.590 µg/L), ethylbenzene (18.9 µg/L), MTBE (604 µg/L), bromodichloromethane (2.57 µg/L), sec-Butylbenzene (0.640 µg/L), chlorobenzene (4.98 µg/L), chloroform (16.1 µg/L), 2-Chlorotoluene (5.76 µg/L), 4-Chlorotoluene (1.31 µg/L), dibromochloromethane (1.34 µg/L), 1,2-Dichloroethane (80.0 µg/L), 1,2-Dichloropropane (2.01 µg/L), isopropylbenzene (4.86 µg/L), 4-Methyl-2-pentanone (26.1 µg/L), and n-Propylbenzene (4.15 µg/L) concentrations. The reported DW01A toluene and sec-Butylbenzene concentrations were flagged with J qualifiers and are considered estimates. In addition, analytical results of the DW03A (Dudley Property) water sample yielded measurable MTBE (10.8 µg/L), chloroform (0.930 µg/L), and 1,2-Dichloroethane (1.37 µg/L). The reported DW03A chloroform concentration was flagged with a J qualifier and is considered an estimate. Further, analytical results of the DW04A (Houck Residence) water sample yielded measurable benzene (3.56 µg/L), MTBE (10.8 µg/L), and 1,2-Dichloroethane (2.85 µg/L) concentrations. Upon receiving these results on June 19, 2017, Greene contacted the property owners and the VA DEQ to report the impact of petroleum in the drinking water wells.

On June 20, 2017, Greene delivered drinking water to the Dudley Property (P03) and the Houck Residence (P04). In addition, drinking water samples were collected from supply wells DW05A, DW06B, DW07A, DW09A, DW11A, and DW12A. Analytical results of the drinking water samples collected from receptors DW06B, DW09A, DW11A, and DW12A yielded Non Detected for all analytes at the MDLs. Analytical results of the drinking water samples collected from receptors DW05A (Thomas Residence) and DW07A (Scott Residence) yielded MTBE concentration of 1.61 µg/L and 2.33 µg/L, respectively. However, the reported MTBE concentrations were flagged with J qualifiers and are considered estimates. Upon receiving these results on June 23, 2017, Greene contacted the property owners, the VA DEQ, and water users (Franklin Residence) to report the impact of petroleum in the drinking water wells, as well as delivered water to the Thomas Residence (P05) and Scott Residence (P07). In addition, drinking water was also delivered to the Franklin Residence (P06) on June 23, 2017, which receives potable water from supply well DW07A.

On June 28, 2017, drinking water samples were collected from supply wells DW19A, DW31A, DW32A, and DW33A to confirm the absence of petroleum contamination. In addition, drinking water samples were collected on July 3, 2017 from supply wells DW08A and DW08B. Analytical results of the drinking water samples collected from receptors DW08A, DW08B, DW19A, DW31A, DW32A, and DW33A yielded Non Detected for all analytes at the MDLs.

In addition to the drinking water samples collected by Greene Environmental Services, LLC during this phase of investigation, a VA DEQ State Lead contractor collected a drinking water sample from supply well DW02A (Farkas Residence) on June 5, 2017. Analytical results of the DW02A water sample yielded measurable TPH-GRO (994 µg/L), benzene (2.91 µg/L), MTBE (138 µg/L), 1,2-Dichloroethane (23.1 µg/L), 1,2,4-Trimethylbenzene (9.04 µg/L), and DIPE (8.55 µg/L) concentrations. On June 16, 2017, Greene delivered drinking water to the Farkas Residence (P02).

Copies of the laboratory results and chain of custody documentation are included in Appendix D. Table 4 - Summary of Supply Well Dissolved Phase Analytical Results is included in Appendix A, Page 6. A description of the analytes observed in the supply wells including EPA maximum contaminant levels (MCLs), if applicable, are included in Table 5 – Description of Observed Supply Well Analytes, Page 9.

Based on the confirmed petroleum impact to supply wells DW01A, DW02A, DW03A, DW04A, DW05A, and DW07A AWS Referral Forms have been submitted for the impacted supply wells. In addition, an AWS Referral Form has been submitted for the Franklin Residence (P06), which receives potable water from DW07A. As part of the VA DEQ AWS program, carbon filtration units (CFUs) have been/will be installed to mitigate concern associated with ingestion of petroleum impacted groundwater. Further, during CFU system installation and maintenance activities pre- and post-treatment drinking water samples will be routinely collected by the AWS contractor.

Laboratory analytical results of a sample collected by the AWS contractor during this phase of investigation from DW01A (Chamblissburg Supply) yielded measurable benzene (749 µg/L), ethylbenzene (56.4 µg/L), xylenes (540 µg/L), MTBE (797 µg/L), naphthalene as a volatile (44.7 µg/L), naphthalene as a semi-volatile (33 µg/L), TAA (2,320 µg/L), TBA (388 µg/L), chloroform (12.5 µg/L), 1,2-Dichloroethane (83.3 µg/L), DIPE (52.4 µg/L), and EDB (0.400 µg/L) concentrations. However, the reported chloroform concentration was flagged with a J qualifier and is considered an estimate. Laboratory analytical results of a sample collected by the AWS contractor during this phase of investigation from DW03A (Dudley Property) yielded measurable MTBE (19.7 µg/L), chloroform (0.8 µg/L), and DIPE (2.0 µg/L) concentrations. However, the reported DIPE and chloroform

concentrations were flagged with J qualifiers and are considered estimates. In addition, laboratory analytical results of a sample collected by the AWS contractor during this phase of investigation from DW04A (Houck Residence) yielded measurable benzene (3.0 µg/L), MTBE (13.5 µg/L), TAA (68.8 µg/L), 1,2-Dichloroethane (2.7 µg/L), and DIPE (1.6 µg/L) concentrations. However, the reported DIPE concentration was flagged with a J qualifier and is considered an estimate. Further, laboratory analytical results of samples collected by the AWS contractor during this phase of investigation from DW05A (Thomas Residence) and DW07A (Scott Residence) yielded MTBE concentrations of 1.9 µg/L and 3.7 µg/L, respectively. However, the reported DW05A MTBE concentration was flagged with a J qualifier and is considered an estimate.

Laboratory analytical results collected on behalf of the VA DEQ AWS program have been included in Table 4 - Summary of Supply Well Dissolved Phase Analytical Results is included in Appendix A, Page 6. A description of the analytes observed in the supply wells including EPA MCLs, if applicable, are included in Table 5 – Description of Observed Supply Well Analytes, Page 9. However, copies of the laboratory results and chain of custody documentation for the samples collected on behalf of the VA DEQ AWS program are not included in this report and any request for this documentation should be made to the VA DEQ AWS program.

5.0 Conclusions and Recommendations

On June 5, 2017, Ms. Debra Farkas contacted the VA DEQ and reported suspected petroleum in the drinking water well (DW02A) providing potable water to her property. Laboratory analytical results of a water sample collected from DW02A confirmed the presence of petroleum contamination. Based on the confirmed impact to DW02A, the VA DEQ assigned a suspected release, opened a Pollution Complaint, and issued a Release Investigation and Reporting letter to the Chamblissburg Supply facility.

A review of the current UST system components did not indicate any known compliance issues or an ongoing release at the facility. Tank release detection data yielded passing tests on all six tanks within May and/or June 2017, and tank tightness testing performed on June 28, 2017 was unable to identify leaks from the tanks. However, due to the suspected presence of check valves at the tanks, the product lines were unable to be tightness tested. In addition, the cathodic protection system passed testing performed in October 2016. Further, historical research indicates the VA DEQ noted multiple compliance issues at the site between the installation of the tanks in 1978 and 2015. In addition, limited residual phase petroleum contamination was observed during a baseline environmental assessment performed in 2002. However, historical research indicates no prior Pollution Complaint cases have been opened at the facility and the compliance issues appear to have been properly addressed.

The presence of measurable MTBE, DIPE, and 1,2-dichloroethane concentrations within drinking water samples collected during this phase of investigation likely indicate a historic release has impacted the groundwater in the area. MTBE, and most likely DIPE, began being phased out of product available in the state of Virginia in 2006. In addition, 1,2-dichloroethane was used as an anti-knock agent in leaded fuels, which began being phased out of gasoline in the 1970s. It is unlikely MTBE, DIPE, and/or 1,2-dichloroethane would be present in a recent or current release of petroleum at the facility.

To date, vapor phase, residual phase, and dissolved phase petroleum contamination have been encountered in the subsurface at the Chamblissburg Supply facility. During this phase of investigation soil samples collected from soil borings installed proximal to the gasoline UST system yielded TPH-GRO concentrations above the 8,300 mg/kg value recognized by the VA DEQ as indicating gasoline saturation. As stated in the VA DEQ Storage Tank Program Technical Manual, petroleum saturated soils are likely to contribute to or result in free product formation at the subject site. In addition, groundwater samples collected from the onsite supply well (DW01A) and offsite supply wells DW02A, DW03A, DW04A, DW05A, and DW07A have yielded evidence of petroleum contamination. In an effort to mitigate concern associated with the confirmed impact to potable water, carbon filtration units have been/will be installed as part of the VA DEQ AWS program. The carbon filtration units installed by the VA DEQ AWS program are intended as a temporary measure pending the obtainment a permanent AWS. As previously mentioned in Section 2.1, the nearest public water supply line is reportedly located approximately 4.5 miles west of the Chamblissburg Supply. Further, the BRWA indicated there are currently no plans to extend municipal water to the subject site. At this time it appears that the most efficient and cost effective AWS would be the installation of replacement supply wells. Further discussion of any potential remediation and/or corrective action activities will be included in future site characterization and/or corrective action plan reports.

Due to the presence of petroleum saturated soils and significant petroleum impact to the onsite supply well (DW01A) it appears the UST system located at the Chamblissburg Supply facility is or was the source for the petroleum currently impacting the drinking water within the area. As a result, Greene recommends the Pollution Complaint be transitioned into the Site Characterization and Reporting phase of work and additional activities be performed. Specifically, Greene recommends performing product line tightness tests to confirm the presence or absence of an ongoing release at the Chamblissburg Supply facility. Based on the suspected presence of check valves at the tanks, Greene recommends performing pressure testing utilizing helium for product line tightness testing. Greene also recommends the six regulated tanks be retested at this time utilizing the helium pressure method in order to confirm the results of the earlier test. In addition, Greene recommends the installation of six onsite soil borings/groundwater

monitoring wells. Data obtained from soil samples collected during boring advancement will allow for the continued vertical delineation of residual phase contamination, while the information made possible by the installation of the monitoring wells will be utilized to delineate any free phase and/or dissolved phase contaminant plumes. Data obtained from groundwater monitoring well sampling, pump-down tests, as well as additional aquifer characterization will be utilized to estimate the approximate limits of the contaminant plume(s), create Isoconcentration Maps, perform fate and transport modeling, and will eventually aid in the determination of remedial endpoints. A Proposed Monitoring Well Location Map is included in Appendix B.

Further, Greene recommends the collection and analysis of product samples from the onsite gasoline UST(s) and from the monitoring wells, if free phase petroleum is observed. It is hoped the results of the product analysis can be utilized to further confirm the presence or absence of an ongoing release. Greene also recommends collecting a surface water sample from the intermittent tributary to the pond draining to East Fork Beaverdam Creek. Finally, Greene recommends ongoing drinking water sampling be performed. Greene recommends, at a minimum, obtaining drinking water samples from offsite supply wells DW03B, DW08A, DW08B, DW09A, DW10A, DW33A, and DW33B.

End of the Site Characterization Report

APPENDIX A

Tables

- Page 1. Table 1 - Summary of UST Information
- Page 2. Table 2 - Summary of Field Screening Results
- Page 5. Table 3 - Summary of Soil Boring Residual Phase Analytical Results
- Page 6. Table 4 - Summary of Supply Well Dissolved Phase Analytical Results
- Page 9. Table 5 - Description of Observed Supply Well Analytes
- Page 11. Table 6 - Summary of the ¼-Mile Radius Receptor Survey Results

Table 1.
Summary of UST Information¹

	UST #1	UST #2	UST #3	UST #4	UST #5	UST #6
VA DEQ TANK ID	1	2	3	4	5	6
TYPE	Coated and Cathodically Protected					
CAPACITY (Gallons)	1,000	1,000	4,000	5,000	6,000	5,000
CONTENTS	Kerosene	Diesel Fuel	Gasoline	Gasoline	Gasoline	Gasoline
PIPING	Cathodically Protected Galvanized Steel (no valve: suction) ²	Cathodically Protected Galvanized Steel (no valve: suction) ²	Cathodically Protected Galvanized Steel (no valve: suction) ²	Cathodically Protected Galvanized Steel (no valve: suction) ²	Cathodically Protected Galvanized Steel (no valve: suction) ²	Cathodically Protected Galvanized Steel (no valve: suction) ²
INSTALLATION DATE	April 22, 1978					
STATUS	Currently In Use					
SPILL PREVENTION	Yes	Yes	Yes	Yes	Yes	Yes
OVERFILL DEVICE	Yes	Yes	Yes	Yes	Yes	Yes

¹UST information was obtained from site history research, site inspections, and/or the VA DEQ tank database updated on July 5, 2017.

²Tank testing performed during RIR activities appear to indicate the presence of a check valve/foot valve at the tank.

Table 2.
Summary of Field Screening Results

Sample Identification	Depth (feet bgs)	Olfactory Observation	PID Readings (ppm)	Retained for Analysis
B01-1	0-5	Petroleum Odor	4,737	Yes
B01-2	5-10	Strong Petroleum Odor	4,117	No
B01-3	10-15	Strong Petroleum Odor	3,583	No
B01-4	15-20	Strong Petroleum Odor	3,302	No
B01-5	20-25	Strong Petroleum Odor	2,957	No
B01-6	25-30	Strong Petroleum Odor	2,559	No
B01-7	30-32.5	Strong Petroleum Odor	2,250	Yes
Soil boring B01 was advanced to rod refusal at 32.5 feet bgs in an attempt to encounter groundwater; however, groundwater was not identified.				
B02-1	0-5	Slight Petroleum Odor	1,818	No
B02-2	5-10	Petroleum Odor	643.9	No
B02-3	10-15	Strong Petroleum Odor	2,757	Yes
B02-4	15-20	Strong Petroleum Odor	2,115	Yes
B03-1	0-5	Slight Petroleum Odor	163.6	No
B03-2	5-10	Slight Petroleum Odor	198.5	No
B03-3	10-15	Slight Petroleum Odor	118.8	No
B03-4	15-20	Slight Petroleum Odor	141.0	No
B04-1	0-5	No Petroleum Odor	57.9	No
B04-2	5-10	No Petroleum Odor	70.9	No
B04-3	10-15	No Petroleum Odor	87.7	No
B04-4	15-20	Slight Petroleum Odor	99.9	Yes
B05-1	0-5	No Petroleum Odor	65.0	No
B05-2	5-10	No Petroleum Odor	89.6	No
B05-3	10-15	No Petroleum Odor	30.2	No
B05-4	15-20	No Petroleum Odor	26.5	Yes
B06-1	0-5	No Petroleum Odor	32.7	No
B06-2	5-10	No Petroleum Odor	28.5	No
B06-3	10-15	No Petroleum Odor	21.8	No
B06-4	15-20	No Petroleum Odor	31.4	No

Table 2 (Cont'd).
Summary of Field Screening Results

Sample Identification	Depth (feet bgs)	Olfactory Observation	PID Readings (ppm)	Retained for Analysis
B07-1	0-5	No Petroleum Odor	19.1	No
B07-2	5-10	No Petroleum Odor	13.9	No
B07-3	10-15	Slight Petroleum Odor	9.3	No
B07-4	15-20	Slight Petroleum Odor	13.2	Yes
B08-1	0-5	No Petroleum Odor	5.5	No
B08-2	5-10	No Petroleum Odor	7.7	No
B08-3	10-15	Slight Petroleum Odor	5.8	No
B08-4	15-20	Slight Petroleum Odor	0.1	No
B09-1	0-5	No Petroleum Odor	10.9	No
B09-2	5-10	No Petroleum Odor	2.0	No
B09-3	10-15	Slight Petroleum Odor	3.2	No
B09-4	15-20	Slight Petroleum Odor	0.0	No
B10-1	0-5	No Petroleum Odor	0.0	No
B10-2	5-10	Slight Petroleum Odor	0.0	No
B10-3	10-15	Slight Petroleum Odor	2.6	No
B10-4	15-20	Petroleum Odor	334.8	Yes
B11-1	0-5	Strong Petroleum Odor	1,092	Yes
B11-2	5-10	Strong Petroleum Odor	1,408	No
B11-3	10-15	Strong Petroleum Odor	1,173	No
B11-4	15-20	Strong Petroleum Odor	1,043	Yes
B11-5	20-31.75	Soil boring B11 was advanced to rod refusal at 31.75 feet bgs in an attempt to encounter groundwater. Soil samples were not collected during these additional activities and groundwater was not identified.		
B12-1	0-5	Petroleum Odor	1,127	Yes
B12-2	5-10	Petroleum Odor	1,251	No
B12-3	10-15	Strong Petroleum Odor	1,205	No
B12-4	15-20	Strong Petroleum Odor	1,183	Yes

Table 2 (Cont'd).
Summary of Field Screening Results

Sample Identification	Depth (feet bgs)	Olfactory Observation	PID Readings (ppm)	Retained for Analysis
B13-1	0-5	Slight Petroleum Odor	1,234	Yes
B13-2	5-10	Slight Petroleum Odor	1,270	No
B13-3	10-15	Slight Petroleum Odor	515.7	No
B13-4	15-20	Petroleum Odor	367.0	Yes
B14-1	0-5	No Petroleum Odor	104.8	No
B14-2	5-10	No Petroleum Odor	38.6	No
B14-3	10-15	No Petroleum Odor	22.0	No
B14-4	15-20	No Petroleum Odor	16.6	No
B15-1	0-5	No Petroleum Odor	14.3	No
B15-2	5-10	No Petroleum Odor	14.1	No
B15-3	10-15	Slight Petroleum Odor	19.0	No
B15-4	15-20	Petroleum Odor	88.5	Yes

Table 3.
Summary of Soil Boring Residual Phase Analytical Results

Sample Identification	Date	Sample Depth (feet)	TPH-GRO ¹	TPH-DRO	Benzene ²	Toluene	Ethyl-benzene	Xylenes (total)	MTBE	Naphthalene
B01-1	06/30/16	0-5	13,200	1,970	22.9	458	244	1,180	<25.0	48.5
B01-7	06/30/16	30-32.5	4,220	390	7.80 ³	167	64.0	367	<25.0	64.0
B02-3	06/30/16	10-15	6,110	1,240	<5.00	130	72.8	486	<25.0	57.4
B02-4	06/30/16	15-20	4,600	511	7.20 ³	183	80.8	471	<25.0	50.6
B04-4	06/30/16	15-20	<2.50	<3.97	<0.00200	0.00468	<0.00200	<0.00600	<0.0100	<0.00200
B05-4	06/30/16	15-20	<2.38	<3.97	<0.00198	0.00636	<0.00198	<0.00594	<0.00990	<0.00198
B07-4	06/30/16	15-20	<2.48	<3.98	<0.00198	<0.00198	<0.00198	<0.00594	<0.00990	<0.00198
B10-4	06/30/16	15-20	93.6	<3.97	<0.0125	0.0428	0.0138 ³	0.0732 ³	<0.0625	<0.0125
B11-1	06/30/16	0-5	3,400	1,100	<5.00	49.4	17.4	337	<25.0	<5.00
B11-4	06/30/16	15-20	10,300	1,030	32.9	601	182	1,360	<25.0	44.3
B12-1	06/30/16	0-5	381	23.9	0.0710 ³	2.12	1.23	13.4	1.03	1.08
B12-4	06/30/16	15-20	25,900	6,930	76.3	1,060	419	2,380	<25.0	174
B13-1	06/30/16	0-5	1,840	3,780	<0.500	<0.500	<0.500	2.57 ³	<2.50	4.32
B13-4	06/30/16	15-20	1,420	6,880	<0.500	<0.500	<0.500	2.52	<2.50	3.75
B15-4	06/30/16	15-20	<2.48	506	<0.00198	0.00550	<0.00198	<0.00594	<0.00990	<0.00198

¹TPH-GRO and TPH-DRO analysis via U.S. EPA SW-846 method 8015; reported in milligrams per kilogram (mg/kg).

²BTEX, MTBE, naphthalene analysis via U.S. EPA SW-846 method 8260; reported in mg/kg.

³The reported result is an estimate due to the reported results being below the practical quantitation limit and equal to or above the method detection limit.

Table 4.
Summary of Supply Well Dissolved Phase Analytical Results

Sample ID	Sample Date	VOCs ¹ (µg/L)	EDB/DBCP ² (µg/L)
DW01A	06/16/17	Benzene = 751 Toluene = 0.590 ³ Ethylbenzene = 18.9 MTBE = 604 Bromodichloromethane = 2.57 sec-Butylbenzene = 0.640 ³ Chlorobenzene = 4.98 Chloroform = 16.1 2-Chlorotoluene = 5.76 4-Chlorotoluene = 1.31 Dibromochloromethane = 1.34 1,2-Dichloroethane = 80.0 1,2-Dichloropropane = 2.01 Isopropylbenzene = 4.86 4-Methyl-2-pentanone = 26.1 n-Propylbenzene = 4.15 ND ⁴ for all other analyzed VOCs via 8260	NA ⁵
	06/26/17 ⁶	Benzene = 749 Ethylbenzene = 56.4 Xylenes (total) = 540 MTBE = 797 Naphthalene = 44.7 Naphthalene = 33 ⁷ tert-Amyl alcohol (TAA) = 2,320 tert-Butanol (TBA) = 388 Chloroform = 12.5 ⁸ 1,2-Dichloroethane = 83.3 Isopropyl ether (DIPE) = 52.4 ND ⁴ for all other analyzed VOCs via 8260	EDB = 0.400 ND for DBCP
DW02A	06/05/17 ⁹	TPH-GRO ¹⁰ = 994 Benzene = 2.91 MTBE = 138 1,2-Dichloroethane = 23.1 1,2,4-Trimethylbenzene = 9.04 Isopropyl ether (DIPE) = 8.55 ND for all other analyzed VOCs via 8260	NA
DW03A	06/16/17	MTBE = 10.8 Chloroform = 0.930 ³ 1,2-Dichloroethane = 1.37 ND for all other analyzed VOCs via 8260	NA
	06/28/17 ⁶	MTBE = 19.7 Chloroform = 0.8 ⁸ Isopropyl ether (DIPE) = 2.0 ⁸ ND for all other analyzed VOCs via 8260	ND for EDB and DBCP

Table 4 (Cont'd).
Summary of Supply Well Dissolved Phase Analytical Results

Sample ID	Sample Date	VOCs ¹ (µg/L)	EDB/DBCP ² (µg/L)
DW04A	06/16/17	Benzene = 3.56 MTBE = 10.8 1,2-Dichloroethane = 2.85 ND for all other analyzed VOCs via 8260	NA
	07/06/17 ⁶	Benzene = 3.0 MTBE = 13.5 tert-Amyl alcohol (TAA) = 68.8 1,2-Dichloroethane = 2.7 Isopropyl ether (DIPE) = 1.6 ⁸ ND for all other analyzed VOCs via 8260	ND for EDB and DBCP
DW05A	06/20/17	MTBE = 1.61 ³ ND for all other analyzed VOCs via 8260	ND for EDB and DBCP
	06/27/17 ⁶	MTBE = 1.9 ⁸ ND for all other analyzed VOCs via 8260	ND for EDB and DBCP
DW06B	06/20/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP
DW07A	06/20/17	MTBE = 2.33 ³ ND for all other analyzed VOCs via 8260	ND for EDB and DBCP
	06/28/17 ⁶	MTBE = 3.7 ND for all other analyzed VOCs via 8260	ND for EDB and DBCP
DW08A	07/03/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP
DW08B	07/03/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP
DW09A	06/16/17	ND for all analyzed VOCs via 8260	NA
	06/20/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP
DW11A	06/20/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP
DW12A	06/20/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP
DW19A	06/16/17	ND for all analyzed VOCs via 8260	NA
	06/28/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP
DW31A	06/16/17	ND for all analyzed VOCs via 8260	NA
	06/28/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP

Table 4 (Cont'd).
Summary of Supply Well Dissolved Phase Analytical Results

Sample ID	Sample Date	VOCs ¹ (µg/L)	EDB/DBCP ² (µg/L)
DW32A	06/16/17	ND for all analyzed VOCs via 8260	NA
	06/28/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP
DW33A	06/16/17	ND for all analyzed VOCs via 8260	NA
	06/28/17	ND for all analyzed VOCs via 8260	ND for EDB and DBCP

¹VOCs (Volatile Organic Compounds) analysis via U.S. EPA SW-846 method 8260 unless otherwise noted; reported in micrograms per liter (µg/L).

²EDB/DBCP (Ethylene Dibromide and Dibromochloropropane) analysis via U.S. EPA SW-846 method 8011 or 504.1; reported in µg/L.

³The reported result is an estimate due to the reported results being below the practical quantitation limit and equal to or above the method detection limit.

⁴ND = Non Detected at laboratory method detection limits.

⁵NA = Not Analyzed.

⁶Sampling performed by VA DEQ AWS contractor. Sampling included semi-volatile organic compounds (SVOCs) via U.S. EPA SW-846 method 8270. Results of 8270 analysis are Non Detected unless otherwise noted.

⁷Laboratory result from SVOCs analysis via 8270.

⁸The reported result is an estimate due to the reported results being below the reporting limit and equal to or above the quantitation limit.

⁹Sampling performed by VA DEQ State Lead contractor.

¹⁰TPH-GRO analysis via U.S. EPA SW-846 method 8015; reported in µg/L.

Table 5.
Description of Observed Supply Well Analytes

Analyte	MCL ¹ (µg/L)	Health Guideline ² (µg/L)	Analyte Uses ³
Benzene	5	0.15	Multiple industrial uses. Benzene is a component of motor fuels.
Toluene	1,000	150	Multiple industrial uses. Toluene is added to gasoline to improve octane ratings and is utilized in the production of benzene.
Ethylbenzene	700	300	Multiple industrial uses. Ethylbenzene is a component of motor fuels.
Xylenes	10,000	1,800	Multiple industrial uses. Xylenes are utilized in the production of ethylbenzene and are blended into gasoline
MTBE	NA ³	13	MTBE is primarily utilized as a fuel additive in gasoline to improve octane ratings.
Naphthalene	NA	NA	Multiple industrial uses. Naphthalene is a component of motor fuels.
Ethylene Dibromide (EDB)	0.05	0.01	EDB was formerly utilized as an additive to leaded gasoline
1,2-Dichloroethane	5	0.4	Multiple industrial uses. 1,2-Dichloroethane was formerly added to leaded gasoline as a lead scavenger.
Isopropyl Ether (DIPE)	NA	NA	DIPE is a fuel oxygenate utilized to improve octane ratings.
Tert-Amyl Alcohol (TAA)	NA	NA	TAA is a fuel oxygenate utilized to improve octane ratings.
Tert-Butanol (TBA)	NA	NA	TBA is a fuel oxygenate utilized to improve octane ratings.
Bromodichloromethane	80	0.4	Bromodichloromethane is not typically associated with petroleum products and its presence is likely a byproduct of the reaction of chlorine with naturally occurring organic compounds.
sec-Butylbenzene	NA	NA	Volatile organic compound with multiple industrial uses.
Chlorobenzene	100	70	Multiple industrial uses. Chlorobenzene is primarily utilized as a solvent for pesticides and degreasing automobile parts.
Chloroform	80	1	Chloroform is not typically associated with petroleum products and its presence is likely a byproduct of the reaction of chlorine with naturally occurring organic compounds.
2-Chlorotoluene	NA	NA	2-Chlorotoluene is primarily utilized as a solvent in multiple industrial products.

Table 5 (Cont'd).
Description of Observed Supply Well Analytes

Analyte	MCL ¹ (µg/L)	Health Guideline ² (µg/L)	Analyte Uses
4-Chlorotoluene	NA	NA	4-Chlorotoluene is primarily utilized as a solvent in multiple industrial products.
Dibromochloromethane	80	0.7	Dibromochloromethane is not typically associated with petroleum products and its presence is likely a byproduct of the reaction of chlorine with naturally occurring organic compounds.
1,2-Dichloropropane	5	0.5	Multiple industrial uses. Primarily utilized as an industrial solvent.
Isopropylbenzene	NA	NA	Primarily utilized as a paint thinner. Isopropylbenzene is a component of high octane fuels.
4-Methyl-2-pentanone	NA	NA	Primarily utilized as a solvent in industrial products.
n-Propylbenzene	NA	NA	Multiple industrial uses. n-Propylbenzene is a component of petroleum and coal.
1,2,4-Trimethylbenzene	NA	NA	Multiple industrial uses. 1,2,4-Trimethylbenzene is a component of petroleum and coal.

Table 6.
Summary of the ¼-Mile Radius Receptor Survey Results

Property ID	Name/Address ¹	Receptor ID	Location From Gasoline UST System	Potential Receptor Information, Current Use, Installation Date, & Construction Details
P01	Chamblissburg Supply (dba Elei's) 10625 Stewartsville Road	DW01A	~165 feet East	The property maintains the Chamblissburg Supply (dba Elei's) and the Stewartsville – Chamblissburg Volunteer Fire Department. One supply well (DW01A) is known to be located on the property. DW01A is a drilled supply well installed with steel casing and located within a well house. DW01A has been impacted with petroleum and a carbon filtration system has reportedly been installed as part of the VA DEQ AWS program.
	Stewartsville – Chamblissburg Volunteer Fire Department Station 2			
P02	Farkas Residence 10590 Stewartsville Road	DW02A	~260 feet Southeast	Supply well DW02A provides potable water to a residence located on the property. DW02A is a drilled well installed with 6-inch PVC casing. DW02A has been impacted with petroleum and a carbon filtration system has reportedly been installed as part of the VA DEQ AWS program. No additional construction details are known.
		DW02B	Unknown	Supply well DW02B is a reportedly out of use bored/hand dug supply well. The exact location and any construction details are unknown.
P03	Dudley Property 10605 Stewartsville Road	DW03A	~185 feet East- Southeast	Supply well DW03A provides potable water to the onsite residential rental property. DW03A is a reportedly drilled supply well; however, the top of casing is buried. As a result, the exact location is unknown. DW03A has been impacted with petroleum and a carbon filtration system has reportedly been installed as part of the VA DEQ AWS program. No additional construction details are known.
		DW03B	~170 feet East- Southeast	DW03B is a reportedly an out of use hand dug well located beneath carport. The well has reportedly been capped. No additional construction details are known.
P04	Houck Residence 10555 Stewartsville Road	DW04A	~515 feet East- Southeast	Supply well DW04A provides potable water to the onsite residence. DW04A is a reportedly drilled supply well; however, the top of casing is buried. As a result, the exact location is unknown. DW04A has been impacted with petroleum and a carbon filtration system has reportedly been installed as part of the VA DEQ AWS program. No additional construction details are known.
P05	Thomas Residence 10465 Stewartsville Road	DW05A	~865 feet Southeast	Supply well DW05A provides potable water to the onsite residence. DW05A is a drilled supply well installed in 1971 by Richard Simmons Well Drilling. DW05A is approximately 180 feet deep and is installed with steel casing. DW05A has been impacted with petroleum and a carbon filtration system has reportedly been installed as part of the VA DEQ AWS program. No additional construction details are known.

Table 6 (Cont'd).

Summary of the ¼-Mile Radius Receptor Survey Results

Property ID	Name/Address ¹	Receptor ID	Location From Gasoline UST System	Potential Receptor Information, Current Use, Installation Date, & Construction Details
P06	Franklin Residence 10431 Stewartsville Road	DW06B	~1,020 feet Southeast	Supply well DW06B is a bored well, which is connected only to the outside spigots of the onsite residence. No additional construction details are known. Analytical results of a water sample collected from DW06B yielded Non Detected for petroleum contamination.
		DW06C	~1,050 feet Southeast	Supply well DW06C is reportedly an out of use drilled well. No additional construction details are known.
P07	Scott Residence 10433 Stewartsville Road	DW07A	~1,020 feet East- Southeast	Supply well DW07A is a drilled well, which provides potable water to the onsite residence and the offsite residence (P06). DW07A has been impacted with petroleum and carbon filtration systems are scheduled to be installed at P06 and P07 as part of the VA DEQ AWS program. No additional construction details are known.
P08	Kidd Residence 10375 Stewartsville Road	DW08A	~1,350 feet Southeast	Supply well DW08A provides potable water to the onsite residence. DW08A is a drilled supply well reportedly installed to approximately 300 feet. No additional construction details are known. Analytical results of water samples collected from DW08A yielded Non Detected for petroleum contamination.
		DW08B	~1,350 feet Southeast	Supply well DW08B also provides potable water to the onsite residence. DW08B is a bored supply well reportedly installed to approximately 60 feet. No additional construction details are known. Analytical results of water samples collected from DW08B yielded Non Detected for petroleum contamination.
P09	Brillhart Property 10570 Stewartsville Road	DW09A	~490 feet Southeast	Supply well DW09A provides potable water to the onsite residence. DW09A is a drilled supply well reportedly installed in 2001 to approximately 260 feet. No additional construction details are known. Analytical results of water samples collected from DW09A yielded Non Detected for petroleum contamination.
		DW09B	~490 feet Southeast	Supply well DW09B is reportedly an out of use hand dug well. No additional construction details are known.
P10	Wilson Residence 1020 Cannon Lane	DW10A	~575 feet Southeast	Supply well DW10A reportedly provides potable water to the onsite residence and three rental properties located on the property. The property owner did not allow Greene to collect a water sample and did not provide any information regarding the supply well.
	Wilson Property 1060 Cannon Lane			
	Wilson Property 1090 Cannon Lane			
	Wilson Property 1130 Cannon Lane			

Table 6 (Cont'd).
Summary of the ¼-Mile Radius Receptor Survey Results

Property ID	Name/Address ¹	Receptor ID	Location From Gasoline UST System	Potential Receptor Information, Current Use, Installation Date, & Construction Details
P11	Bolden Residence 10520 Stewartsville Road	DW11A	~700 feet Southeast	Supply well DW11A provides potable water to the onsite residence. DW11A is a reportedly drilled supply. No additional construction details are known. Analytical results of a water sample collected from DW11A yielded Non Detected for petroleum contamination.
P12	Simmons Property 10480 Stewartsville Road	DW12A	~835 feet Southeast	Supply well DW12A provides potable water to the onsite residence. The top of casing for DW12A is buried and as a result, the exact location is unknown. No additional construction details are known. Analytical results of a water sample collected from DW12A yielded Non Detected for petroleum contamination.
P13	Simmons Property 1055 Castle Lane	Unknown	Unknown	Property P13 maintains two residential rental properties. Information regarding the onsite water supply is unknown.
	Simmons Property 1075 Castle Lane			
P14	Ellis Residence 1030 Castle Lane	DW14A	~950 feet Southeast	Supply well DW14A provides potable water to the onsite residence. DW14A is reportedly a drilled well installed to approximately 100 feet. No additional construction details are known.
P15	Suspected Rental Property 1080 Castle Lane	Unknown	Unknown	Property P15 maintains one residential rental (suspected) property. Information regarding the onsite water supply is unknown. A letter was left at the residence during the receptor survey. No obvious supply well was observed.
P16	Palmer Residence 10440 Stewartsville Road	DW16A	~1,030 feet Southeast	Supply well DW16A provides potable water to the onsite residence. No additional construction details are known.
P17	Unknown Residence 10420 Stewartsville Road	Unknown	Unknown	Property P17 maintains one residential property. Information regarding the onsite water supply is unknown. A letter was left at the residence during the receptor survey. No obvious supply well was observed.
P18	Lozano Residence 10340 Stewartsville Road	DW18A	~1,500 feet Southeast	Supply well DW18A provides potable water to the onsite residence. DW18A is a drilled supply well with PVC casing. No additional construction details are known.
P19	Beaverdam Baptist Church 10665 Stewartsville Road	DW19A	~315 feet Northwest	Supply well DW19A provides potable water to the Beaverdam Baptist Church. DW19A is a drilled well installed in approximately 2010 to greater than 200 feet. No additional construction details are known. Analytical results of water samples collected from DW19A yielded Non Detected for petroleum contamination.
	Beaverdam Baptist Church - Parsonage 10729 Stewartsville Road	DW19B	Unknown	Supply well DW19B provides potable water to the parsonage. The parsonage is vacant and the water has reportedly been turned off. No construction details are known.

Table 6 (Cont'd).
Summary of the ¼-Mile Radius Receptor Survey Results

Property ID	Name/Address ¹	Receptor ID	Location From Gasoline UST System	Potential Receptor Information, Current Use, Installation Date, & Construction Details
P20	Dudley Property Undeveloped – No Address	Pond	~950 feet Northeast	The property is an undeveloped property owned by the Estate of Lacy Dudley. The property reportedly does not maintain any supply wells; however an unnamed pond is located on the property. The pond appears to drain to an intermittent tributary to the East Fork of Beaverdam Creek.
P21	Thomas Residence 10765 Stewartsville Road	DW21A	~620 feet Northwest	Supply well DW21A provides potable water to the onsite residence. DW21A is a drilled well installed in 1984 to approximately 230 feet. No additional construction details are known.
P22	Unknown Residence 10739 Stewartsville Road	Unknown	Unknown	Property P22 maintains one residential property. Information regarding the onsite water supply is unknown. A letter was left at the residence during the receptor survey. No obvious supply well was observed.
P23	Cunningham Residence 10769 Stewartsville Road	DW23A	~800 feet Northwest	Supply well DW23A provides potable water to the onsite residence. DW23A is a drilled well reportedly installed between 1984 and 1993 with PVC casing. No additional construction details are known.
P24	Agricultural Property Undeveloped – No Address	NA ²	NA	The property is an agricultural property reportedly owned by Eugene Blount. The property reportedly does not maintain any supply wells.
P25	Rental Property 10825 Stewartsville Road	DW25A	Unknown	Supply well DW25A provides potable water to the onsite residence addressed as 10825 Stewartsville Road. No information regarding the supply well construction or location is known.
	Rental Property 10827 Stewartsville Road	DW25B	Unknown	Supply well DW25B provides potable water to the onsite residence addressed as 10827 Stewartsville Road. No information regarding the supply well construction or location is known.
P26	St Clair Residence 10840 Stewartsville Road	DW26A	~1,120 feet West	Supply well DW26A provides potable water to the onsite residence. DW26A is a drilled supply well installed in May 2011 to approximately 260 feet. Ty Davidson Well Drilling, Inc. plate on the well cover. Installed this well due to DW26B staining clothes after a rainfall event.
		DW26B	~1,130 feet West	Supply well DW26B is an out of use drilled well installed to approximately 70 feet.
P27	Townsend Residence 10806 Stewartsville Road	DW27A	~970 feet West	Supply well DW27A provides potable water to the onsite residence. DW27A is a drilled supply well installed in 2005 to approximately 205 feet.

Table 6 (Cont'd).
Summary of the ¼-Mile Radius Receptor Survey Results

Property ID	Name/Address ¹	Receptor ID	Location From Gasoline UST System	Potential Receptor Information, Current Use, Installation Date, & Construction Details
P28	Blount Residence 10780 Stewartsville Road	DW28A	~720 feet Northwest	Supply well DW28A provides potable water to the onsite residence and the offsite residence addressed as 10770 Stewartsville Road (P29). DW28A is reportedly a drilled supply well installed in 2012. No additional construction details are known.
P29	Blount Property 10770 Stewartsville Road	NA	NA	The residence located at P29 obtains potable water from supply well DW28A located at 10780 Stewartsville Road.
P30	Unknown Residence 10690 Stewartsville Road	Unknown	Unknown	Property P30 maintains one residential property. Information regarding the onsite water supply is unknown. A letter was left at the residence during the receptor survey.
P31	Whorley Residence 10688 Stewartsville Road	DW31A	~350 feet West	Supply well DW31A provides potable water to the onsite residence. DW31A is a drilled supply well with PVC casing. No additional construction details are known. Analytical results of water samples collected from DW31A yielded Non Detected for petroleum contamination.
P32	Booze Residence 10684 Stewartsville Road	DW32A	~280 feet West	Supply well DW32A provides potable water to the onsite residence. DW32A is reportedly a drilled supply installed in the 1970s. No additional construction details are known. Analytical results of water samples collected from DW32A yielded Non Detected for petroleum contamination.
P33	Cardwell Residence 10640 Stewartsville Road	DW33A	~175 feet Southwest	Supply well DW33A provides potable water to the onsite residence. DW33A is a drilled supply installed in with PVC casing. No additional construction details are known. Analytical results of water samples collected from DW33A yielded Non Detected for petroleum contamination.
		DW33B	~175 feet Southwest	Supply well DW33B is an out of use drilled well located on the P33 property. DW33B is reportedly a drilled well.
P34	Undeveloped Property No Known Address	NA	NA	The property is an undeveloped property reportedly owned by Angela Cardwell. The property reportedly does not maintain any supply wells.
P35	Wilkes Residence 1222 Catfish Court	DW35A	~1,300 feet Southwest	Supply well DW35A provides potable water to the onsite residence. DW35A is a drilled supply well installed in 1975 to approximately 155 feet.
P36	Unknown Residence 1224 Catfish Court	Unknown	Unknown	Property P36 maintains one residential property. The residence appeared vacant and the property is for sale. Information regarding the onsite water supply is unknown. No obvious supply well was observed.
P37	Petrie Residence 1221 Catfish Court	DW37A	~1,400 feet Southwest	Supply well DW37A provides potable water to the onsite residence. DW37A is a drilled supply well installed in 1975 to approximately 125 feet.

Table 6 (Cont'd).
Summary of the ¼-Mile Radius Receptor Survey Results

Property ID	Name/Address¹	Receptor ID	Location From Gasoline UST System	Potential Receptor Information, Current Use, Installation Date, & Construction Details
P38	Undeveloped Property No Known Address	NA	NA	The property is an undeveloped property reportedly owned by Steven Brillhart. The property reportedly does not maintain any supply wells.
P39	Undeveloped Property No Known Address	Unknown	Unknown	The property appears to be an undeveloped property reportedly owned by Paul Sutherland. It is unknown if any supply wells are located on the property.

¹Addresses are located in Vinton, VA 24179.

²NA = Not applicable.

APPENDIX B

Maps

Site Map (06/28/2017)

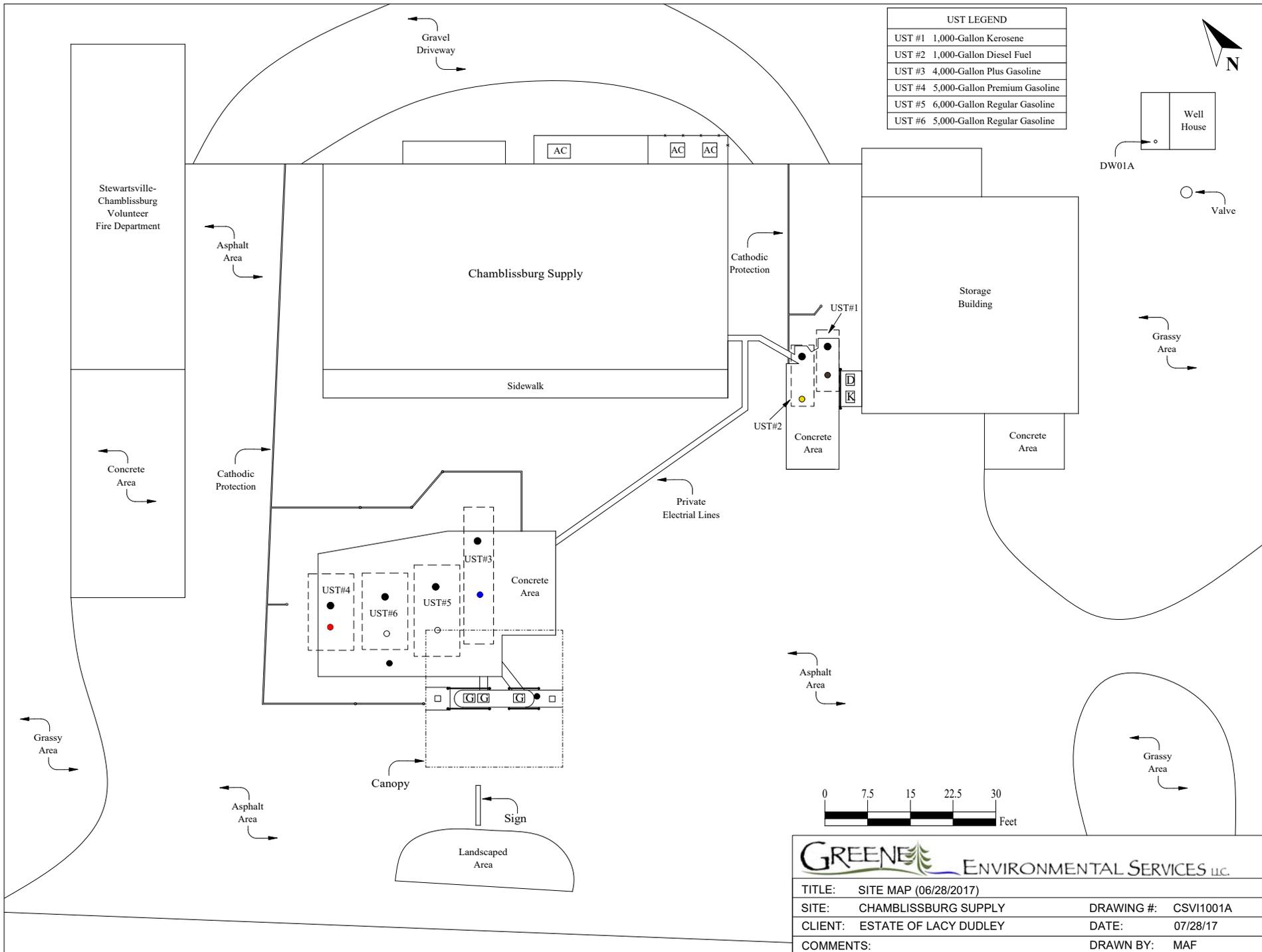
Aerial Map

Topographic Map

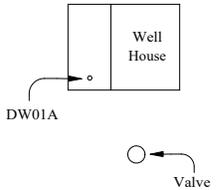
Potential Receptors Location Map

Soil Boring Location Map

Proposed Monitoring Well Location Map



UST LEGEND	
UST #1	1,000-Gallon Kerosene
UST #2	1,000-Gallon Diesel Fuel
UST #3	4,000-Gallon Plus Gasoline
UST #4	5,000-Gallon Premium Gasoline
UST #5	6,000-Gallon Regular Gasoline
UST #6	5,000-Gallon Regular Gasoline



TITLE:	SITE MAP (06/28/2017)	
SITE:	CHAMBLISSBURG SUPPLY	DRAWING #: CSV1001A
CLIENT:	ESTATE OF LACY DUDLEY	DATE: 07/28/17
COMMENTS:		DRAWN BY: MAF

Aerial Map

Chamblissburg Supply
10625 Stewartville Road
Vinton, VA 24179



ENVIRONMENTAL SERVICES LLC.
570 Redbud Hill Road, Rocky Mount, Virginia 24151
Office: 540-483-3311 or 800-215-2596
Fax: 540-483-3381
www.greene-environmental.com

BEDFORD COUNTY, VIRGINIA

Source: Google Earth
Scale: Not to Scale

Project: RIR

Client: Estate of Lacy Dudley

Greene Job #: CSV11001

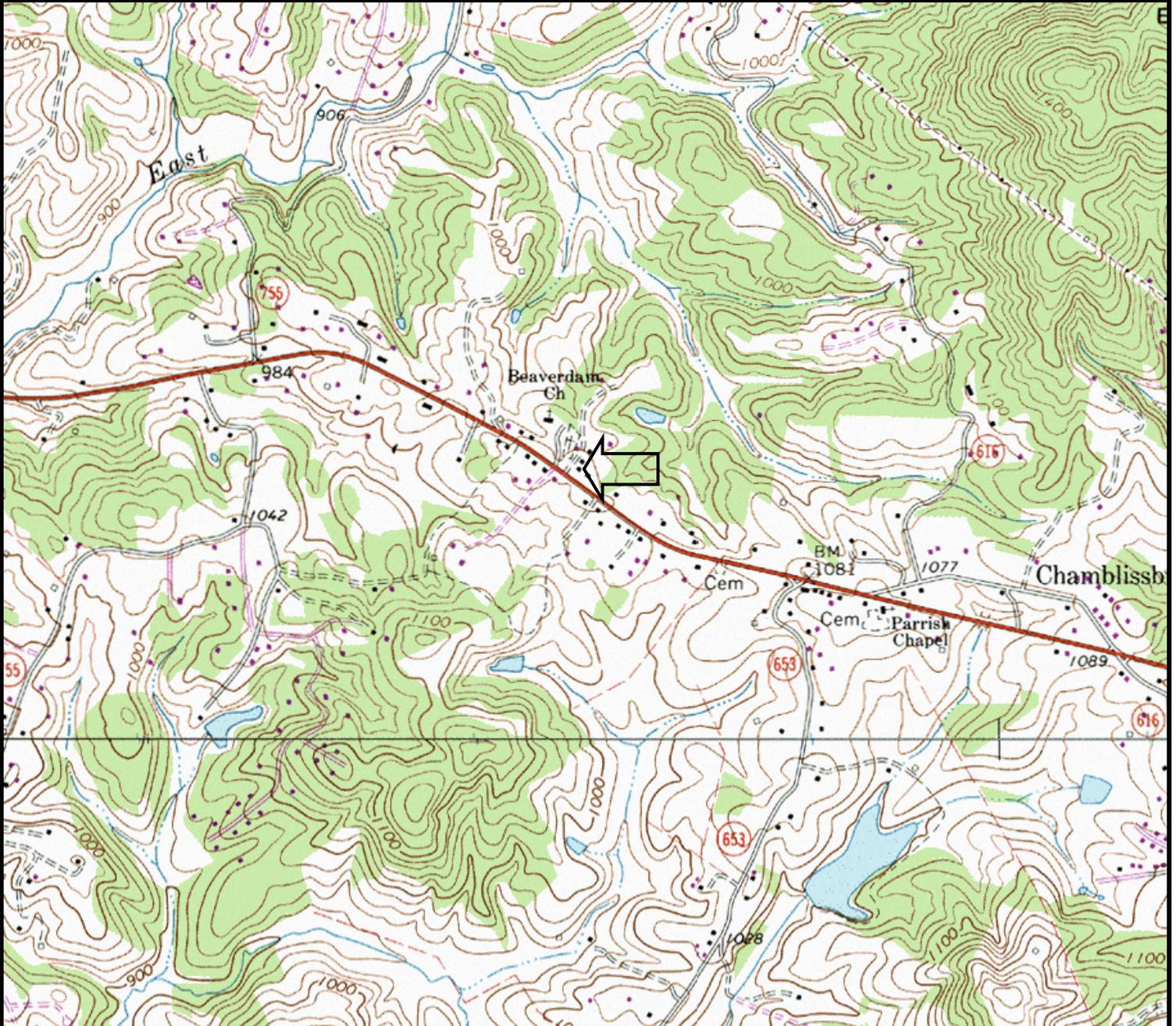
Date: July 27, 2017



Latitude:
037.257362°N
Longitude:
079.722368° W

Topographic Map

Chamblissburg Supply
10625 Stewartville Road
Vinton, VA 24179



ENVIRONMENTAL SERVICES LLC
570 Redbud Hill Road, Rocky Mount, Virginia 24151
Office: 540-483-3311 or 800-215-2596
Fax: 540-483-3381
www.greene-environmental.com

IRVING, VIRGINIA

Source: U.S.G.S. Topographic Map of the Irving Quadrangle, Virginia, 7.5 Minute Series (1967, revised 1985)
Scale: Not to Scale Contour Interval: 20 Feet
Vertical Datum: National Geodetic Vertical Datum 1929
Horizontal Datum: North American Datum 1927

Project: RIR

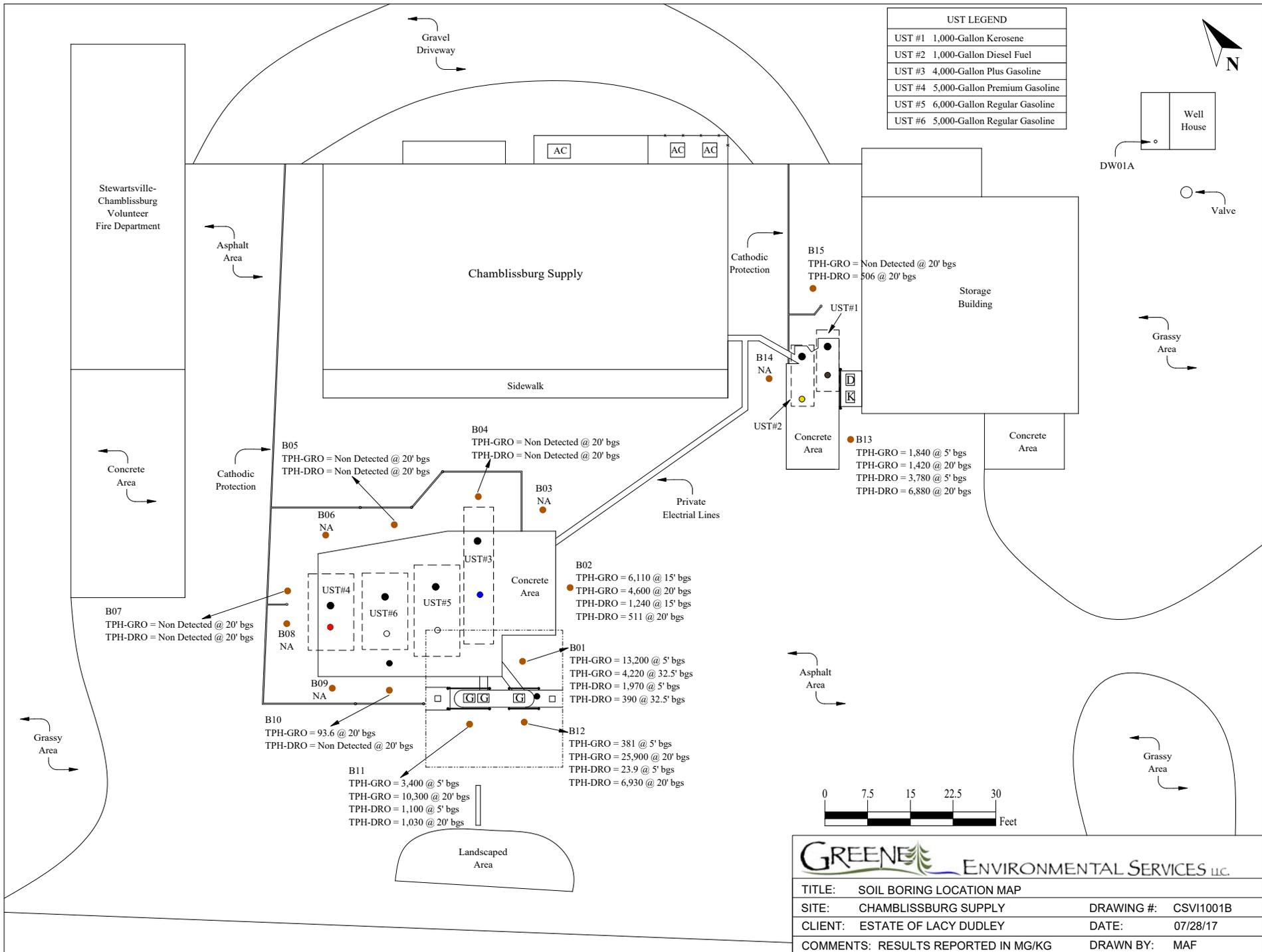
Client: Estate of Lacy Dudley

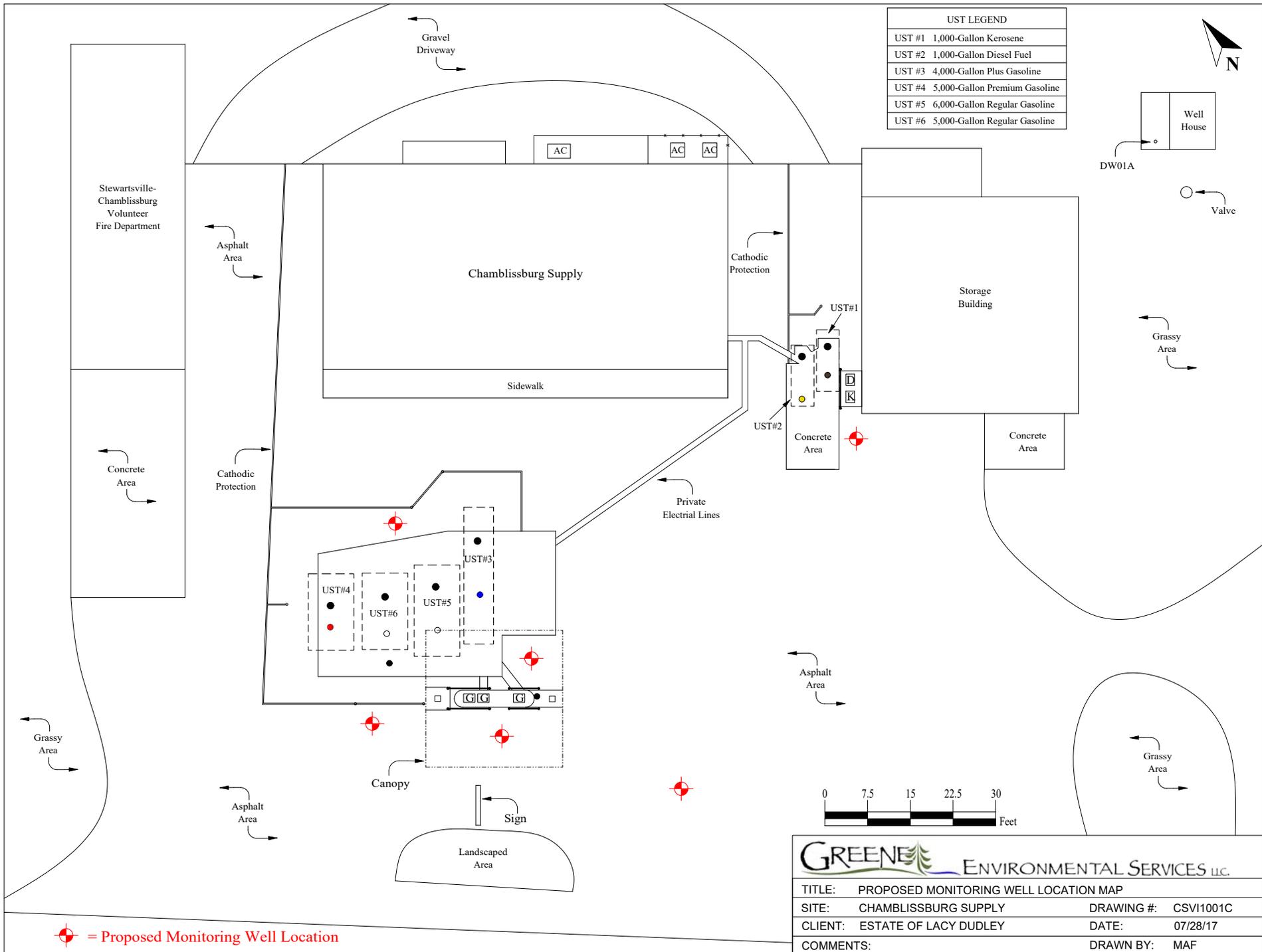
Greene Job #: CSVII001

Date: July 27, 2017



Latitude: 037.257362°N
Longitude: 079.722368°W





UST LEGEND	
UST #1	1,000-Gallon Kerosene
UST #2	1,000-Gallon Diesel Fuel
UST #3	4,000-Gallon Plus Gasoline
UST #4	5,000-Gallon Premium Gasoline
UST #5	6,000-Gallon Regular Gasoline
UST #6	5,000-Gallon Regular Gasoline

 = Proposed Monitoring Well Location

	
TITLE: PROPOSED MONITORING WELL LOCATION MAP	
SITE: CHAMBLISSBURG SUPPLY	DRAWING #: CSV1001C
CLIENT: ESTATE OF LACY DUDLEY	DATE: 07/28/17
COMMENTS:	DRAWN BY: MAF

APPENDIX C

Geologic Information

Soil Boring Logs

Project No: CSV11001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B01

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							1250	2500	3750	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B01-1 (0.5-5')								
2		Fine grained; red clay, petroleum odor; no moisture.		B01-1		1,970 / 13,200				4,737
3										
4										
5		B01-2 (5'-10')	5.0							
6		Fine grained; red sandy clay with some organic material present; strong petroleum odor; moisture evident approximately 5' to 6' bgs only.		B01-2		NA				4,117
7										
8										
9										
10		B01-3 (10'-15')	10.0							
11		Fine grained; red sandy clay with some organic material present; strong petroleum odor; no moisture.		B01-3		NA				3,583
12										
13										
14										
15		B01-4 (15'-20')	15.0							
16		Fine grained; sandy brown clay; strong petroleum odor; no moisture.		B01-4		NA				3,302
17										
18										
19										
20		B01-5 (20'-25')	20.0							
21		Fine grained; brown sandy clay; strong petroleum odor; no moisture.		B01-5		NA				2,957
22										
23										
24										
25		B01-6 (25'-30')	25.0							
26		Fine grained; brown clay with organic material present; strong petroleum odor; no moisture.		B01-6		NA				2,559
27										
28										
29										
30		B01-7 (30'-32.5')	30.0							
31		Fine grained; brown clay; strong petroleum odor; no moisture.		B01-7		390 / 4,220				2,250
32		Soil boring B01 was advanced to rod refusal at 32.5 feet bgs in an attempt to encounter groundwater; however, groundwater was not identified.	32.5							
33										
34										
35		End of Borehole								

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSV11001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B02

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration			Well Completion Details
							750	1500	2250	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B02-1 (0.5-5') Fine grained; red clay, slight petroleum odor; no moisture.								
2										
3				B02-1		NA			1,818	
4										
5			5.0							
6		B02-2 (5'-10') Fine grained; brown sandy clay with some larger rock fragments present; petroleum odor; no moisture.								
7										
8				B02-2		NA			643.9	
9										
10			10.0							
11		B02-3 (10'-15') Fine grained; brown sandy clay with some larger rock fragments present; strong petroleum odor; no moisture.								
12										
13				B02-3		1,240 / 6,110			2,757	
14										
15			15.0							
16		B02-4 (15'-20') Fine grained; gray to black sandy clay; strong petroleum odor; no moisture.								
17										
18				B02-4		511 / 4,600			2,115	
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSV11001

Log of Borehole: B03

Project: RELEASE INVESTIGATION REPORT

Diagram of Monitoring Well: NA

Client: THE ESTATE OF LACY DUDLEY

Geologist: CALEB HARRISON

Location: CHAMBLISSBURG SUPPLY

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) / (TPH-GRO)	VOC Concentration			Well Completion Details
							100	200	300	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B03-1 (0.5-5') Fine grained; brown to gray sandy clay, slight petroleum odor; no moisture.		B03-1		NA		163.3		
2										
3										
4										
5			5.0							
6		B03-2 (5'-10') Fine grained; brown to gray weathered rock material (very hard), slight petroleum odor; no moisture.		B03-2		NA		198.5		
7										
8										
9										
10			10.0							
11		B03-3 (10'-15') Fine grained; brown sandy clay; slight petroleum odor; no moisture.		B03-3		NA		118.8		
12										
13										
14										
15			15.0							
16		B03-4 (15'-20') Fine grained; brown sandy clay; slight petroleum odor; no moisture.		B03-4		NA		141.0		
17										
18										
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: DIRECT PUSH
 Drilled by: DAVIDSON DRILLING, INC.
 Drill Date: 06/30/2017
 Hole Size: 2.5 INCHES



Project No: CSVI1001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B04

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE		PID READINGS			MONITORING WELL DIAGRAM	
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							25	50	75	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B04-1 (0.5-5') Fine grained; brown sandy clay, no petroleum odor; no moisture.		B04-1	NA				57.9	
2										
3										
4										
5			5.0							
6		B04-2 (5'-10') Fine grained; brown sandy clay, no petroleum odor; no moisture.		B04-2	NA				70.9	
7										
8										
9										
10			10.0							
11		B04-3 (10'-15') Fine grained; brown clay with organic material present; no petroleum odor; no moisture.		B04-3	NA				87.7	
12										
13										
14										
15			15.0							
16		B04-4 (15'-20') Fine grained; red to brown clay; slight petroleum odor; no moisture.		B04-4	ND / ND				99.9	
17										
18										
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: DIRECT PUSH
 Drilled by: DAVIDSON DRILLING, INC.
 Drill Date: 06/30/2017
 Hole Size: 2.5 INCHES



Project No: CSVI1001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B05

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE		PID READINGS			MONITORING WELL DIAGRAM	
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							25	50	75	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B05-1 (0.5-5') Fine grained; red clay, no petroleum odor; no moisture.		B05-1	NA					
2								65.0		
3										
4										
5			5.0							
6		B05-2 (5'-10') Fine grained; brown clay, no petroleum odor; no moisture.		B05-2	NA					
7										
8									89.6	
9										
10			10.0							
11		B05-3 (10'-15') Fine grained; brown clay with white sand; no petroleum odor; no moisture.		B05-3	NA					
12									30.2	
13										
14										
15			15.0							
16		B05-4 (15'-20') Fine grained; white sand; no petroleum odor; no moisture.		B05-4	ND / ND					
17									26.5	
18										
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSV11001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B06

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE		PID READINGS			MONITORING WELL DIAGRAM	
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							25	50	75	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B06-1 (0.5-5') Fine grained; red clay, no petroleum odor; no moisture.								
2										
3				B06-1	NA				32.7	
4										
5			5.0							
6		B06-2 (5'-10') Fine grained; red clay, no petroleum odor; no moisture.								
7										
8				B06-2	NA				28.5	
9										
10			10.0							
11		B06-3 (10'-15') Fine grained; dark brown sandy clay; no petroleum odor; no moisture.								
12										
13				B06-3	NA				21.8	
14										
15			15.0							
16		B06-4 (15'-20') Fine grained; dark brown sandy clay; no petroleum odor; no moisture.								
17										
18				B06-4	NA				31.4	
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSVI1001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B07

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							25	50	75	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B07-1 (0.5-5') Fine grained; red clay, no petroleum odor; no moisture.								
2										
3				B07-1		NA			19.1	
4										
5			5.0							
6		B07-2 (5'-10') Fine grained; dark brown sandy clay; no petroleum odor; no moisture.								
7										
8				B07-2		NA			13.9	
9										
10			10.0							
11		B07-3 (10'-15') Fine grained; dark brown sandy clay with organic material present; slight petroleum odor; no moisture.								
12										
13				B07-3		NA			9.3	
14										
15			15.0							
16		B07-4 (15'-20') Fine grained; dark brown clay with white sand and organic material present; slight petroleum odor; no moisture.								
17										
18				B07-4		ND / ND			13.2	
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: DIRECT PUSH
 Drilled by: DAVIDSON DRILLING, INC.
 Drill Date: 06/30/2017
 Hole Size: 2.5 INCHES



Project No: CSVI1001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B08

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE		PID READINGS			MONITORING WELL DIAGRAM	
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							25	50	75	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B08-1 (0.5-5') Fine grained; red clay, no petroleum odor; no moisture.		B08-1	NA		5.5			
2										
3										
4										
5			5.0							
6		B08-2 (5'-10') Fine grained; brown clay with organic material present; no petroleum odor; no moisture.		B08-2	NA		7.7			
7										
8										
9										
10			10.0							
11		B08-3 (10'-15') Fine grained; brown clay with white sand; slight petroleum odor; no moisture.		B08-3	NA		5.8			
12										
13										
14										
15			15.0							
16		B08-4 (15'-20') Fine grained; dark brown sandy clay; slight petroleum odor; no moisture.		B08-4	NA		0.1			
17										
18										
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSV11001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B09

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE		PID READINGS			MONITORING WELL DIAGRAM	
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							25	50	75	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B09-1 (0.5-5') Fine grained; red clay, no petroleum odor; no moisture.								
2										
3				B09-1		NA			10.9	
4										
5			5.0							
6		B09-2 (5'-10') Fine grained; brown clay with layers of white sand; no petroleum odor; no moisture.								
7										
8				B09-2		NA			2.0	
9										
10			10.0							
11		B09-3 (10'-15') Fine grained; white sand; slight petroleum odor; no moisture.								
12										
13				B09-3		NA			3.2	
14										
15			15.0							
16		B09-4 (15'-20') Fine grained; dark brown sandy clay with organic material present; slight petroleum odor; no moisture.								
17										
18				B09-4		NA			0.0	
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSVI1001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B10

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) / (TPH-GRO)	VOC Concentration			Well Completion Details
							100	200	300	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B10-1 (0.5-5') Fine grained; red clay, no petroleum odor; no moisture.								
2										
3				B10-1		NA			0.0	
4										
5			5.0							
6		B10-2 (5'-10') Fine grained; brown clay with organic material present; slight petroleum odor; no moisture.								
7										
8				B10-2		NA			0.0	
9										
10			10.0							
11		B10-3 (10'-15') (10'-14'): Fine grained; brown clay with organic material present; slight petroleum odor; no moisture.								
12		(14'-15'): Fine grained; white sand; slight petroleum odor; no moisture.								
13				B10-3		NA			2.6	
14										
15			15.0							
16		B10-4 (15'-20') Fine grained; brown sandy clay with organic material present; petroleum odor; no moisture.								
17										
18				B10-4		ND / 93.6			334.8	
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSV11001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B11

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							500	1000	1500	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B11-1 (0.5-5')								
2		Fine grained; red clay, strong petroleum odor; no moisture.		B11-1		1,100 / 3,400			1,092	
3										
4										
5			5.0							
6		B11-2 (5'-10')								
7		Fine grained; red clay; strong petroleum odor; no moisture.		B11-2		NA			1,408	
8										
9										
10			10.0							
11		B11-3 (10'-15')								
12		Fine grained; dark brown sandy clay with organic material present; strong petroleum odor; no moisture.		B11-3		NA			1,173	
13										
14										
15			15.0							
16		B11-4 (15'-20')								
17		Fine grained; brown sandy clay with organic material present; strong petroleum odor; no moisture.		B11-4		1,030 / 10,300			1,043	
18										
19										
20			20.0							
21		Soil boring B11 was advanced to rod refusal at 31.75 feet bgs in an attempt to encounter groundwater. Soil samples were not collected during these additional activities and groundwater was not identified.								
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32			31.8							
33		End of Borehole								
34										
35										

Drill Method: DIRECT PUSH
 Drilled by: DAVIDSON DRILLING, INC.
 Drill Date: 06/30/2017
 Hole Size: 2.5 INCHES



Project No: CSVI1001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B12

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							500	1000	1500	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B12-1 (0.5-5') Fine grained; red to brown sandy clay, petroleum odor; no moisture.								
2				B12-1		23.9 / 381			1,127	
3										
4										
5			5.0							
6		B12-2 (5'-10') Fine grained; red to brown sandy clay, petroleum odor; no moisture.								
7				B12-2		NA			1,251	
8										
9										
10			10.0							
11		B12-3 (10'-15') Fine grained; white sand; strong petroleum odor; no moisture.								
12				B12-3		NA			1,205	
13										
14										
15			15.0							
16		B12-4 (15'-20') Fine grained; brown to gray sandy clay; strong petroleum odor; no moisture.								
17				B12-4		6,930 / 25,900			1,183	
18										
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSVI1001

Log of Borehole: B13

Project: RELEASE INVESTIGATION REPORT

Diagram of Monitoring Well: NA

Client: THE ESTATE OF LACY DUDLEY

Geologist: CALEB HARRISON

Location: CHAMBLISSBURG SUPPLY

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							500	1000	1500	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B13-1 (0.5-5') Fine grained; red clay, slight petroleum odor; no moisture.								
2				B13-1		3,780 / 1,840			1,234	
3										
4										
5			5.0							
6		B13-2 (5'-10') Fine grained; brown sandy clay, slight petroleum odor; no moisture.								
7				B13-2		NA			1,270	
8										
9										
10			10.0							
11		B13-3 (10'-15') Fine grained; brown sandy clay with organic material present; slight petroleum odor; no moisture.								
12				B13-3		NA			515.7	
13										
14										
15			15.0							
16		B13-4 (15'-20') Fine grained; brown sandy clay with organic material present; petroleum odor; no moisture.								
17				B13-4		6,880 / 1,420			367.0	
18										
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: DIRECT PUSH
 Drilled by: DAVIDSON DRILLING, INC.
 Drill Date: 06/30/2017
 Hole Size: 2.5 INCHES



Project No: CSVI1001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B14

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE			PID READINGS			MONITORING WELL DIAGRAM
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							50	100	150	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B14-1 (0.5-5') Fine grained; red clay, no petroleum odor; no moisture.								
2				B14-1	NA			104.8		
3										
4										
5			5.0							
6		B14-2 (5'-10') Fine grained; brown clayey sand, no petroleum odor; no moisture.								
7				B14-2	NA			38.6		
8										
9										
10			10.0							
11		B14-3 (10'-15') Fine grained; brown clayey sand, no petroleum odor; no moisture.								
12				B14-3	NA			22.0		
13										
14										
15			15.0							
16		B14-4 (15'-20') Fine grained; brown to gray clayey sand, no petroleum odor; no moisture.								
17				B14-4	NA			16.6		
18										
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: **DIRECT PUSH**
 Drilled by: **DAVIDSON DRILLING, INC.**
 Drill Date: **06/30/2017**
 Hole Size: **2.5 INCHES**



Project No: CSVI1001

Project: RELEASE INVESTIGATION REPORT

Client: THE ESTATE OF LACY DUDLEY

Location: CHAMBLISSBURG SUPPLY

Log of Borehole: B15

Diagram of Monitoring Well: NA

Geologist: CALEB HARRISON

Generation Date: 07/03/2017

SUBSURFACE PROFILE				SAMPLE		PID READINGS			MONITORING WELL DIAGRAM	
Depth	Symbol	Description	Depth	Number	Type	Lab Results (TPH-DRO) (TPH-GRO)	VOC Concentration ppm			Well Completion Details
							25	50	75	
0		Ground Surface	0.0							
0.5		Asphalt	0.5							
1		B15-1 (0.5-5') Fine grained; red clay, no petroleum odor; no moisture.		B15-1	NA		14.3			
2										
3										
4										
5			5.0							
6		B15-2 (5'-10') Fine grained; brown clayey sand, no petroleum odor; no moisture.		B15-2	NA		14.1			
7										
8										
9										
10			10.0							
11		B15-3 (10'-15') Fine grained; brown clayey sand, slight petroleum odor; no moisture.		B15-3	NA		19.0			
12										
13										
14										
15			15.0							
16		B15-4 (15'-20') Fine grained; brown to gray clayey sand, petroleum odor; no moisture.		B15-4	506 / ND					88.5
17										
18										
19										
20			20.0							
21		End of Borehole								
22										
23										
24										
25										

Drill Method: DIRECT PUSH
 Drilled by: DAVIDSON DRILLING, INC.
 Drill Date: 06/30/2017
 Hole Size: 2.5 INCHES



APPENDIX D

Laboratory Data

Laboratory Test Results
Chain of Custody Documentation



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Website: www.reiclabs.com

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1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.248.0183

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Thursday, June 08, 2017

Mr. Jim Oyler
EARTHNET LLC
dba GREEN EARTH NATURALLY
2314 RIDGEFIELD ST. NE
ROANOKE, VA 24012

TEL: (540) 362-5636
FAX: (540) 362-9447

RE: CSL-1655
Work Order #: 17060675

Dear Mr. Jim Oyler:

REI Consultants, Inc. received 1 sample(s) on 6/6/2017 for the analyses presented in the following report.

Sincerely,

Jimmy Suttle
Project Manager
(304) 250-6234



Client: EARTHNET LLC

Project: CSL-1655

The analytical results presented in this report were produced using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Verification of required sample preservation (as required) is recorded on associated laboratory logs. Any deviation from compliance or method modification is identified within the body of this report by a qualifier footnote which is defined at the bottom of this page.

All sample results for solid samples are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as TTHM and HAA5, may vary slightly from the sum of the individual parameter results, due to rounding of individual results, as required by EPA.

The test results in this report meet all NELAP and/or VELAP requirements for parameters clearly designated as PA, VA, PA/VA, or VELAP in the column labeled NELAP.

Please note if the sample collection time is not provided on the Chain of Custody, the default recording will be 0:00:00. This may cause some tests to be apparently analyzed out of hold.

All tests performed by REIC Service Centers are designated by an annotation on the test code. All other tests were performed by REIC's Main Laboratory in Beaver, WV.

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DEFINITIONS:

MCL: Maximum Contaminant Level

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (weight/weight) or milligram per Liter (weight/volume).

NA: Not Applicable

ND: Not Detected at the PQL or MDL

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported.

TIC: Tentatively Identified Compound, Estimated Concentration denoted by "J" qualifier.

Ug/Kg or ug/L: Units of part per billion (PPB) - microgram per kilogram (weight/weight) or microgram per liter (weight/volume).

QUALIFIERS:

X: Reported value exceeds required MCL

B: Analyte detected in the associated Method Blank at a concentration > 1/2 the PQL

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H: Holding time for preparation or analysis has been exceeded.

J: Analyte concentration is reported, and is less than the PQL and greater than or equal to the MDL. The result reported is an estimate.

S: % REC (% recovery) exceeds control limits

CERTIFICATIONS:

Beaver, WV: WVDHHR 00412CM, WVDEP 060, VADCLS 00281, KYDEP 90039, NCDWQ 466, PADEP 68-00839, VADCLS(VELAP) 460148

Bioassay (Beaver, WV): WVDEP 060, VADCLS(VELAP) 460148, PADEP 68-00839

Roanoke, VA: VADCLS(VELAP) 460150

Verona, VA: VADCLS(VELAP) 460151

Morgantown, WV: WVDHHR 003112M, WVDEP 387

REI Consultants, Inc. - Analytical Report

WO#: 17060675

Date Reported: 6/8/2017
Original

Client:	EARTHNET LLC	Collection Date:	6/5/2017 12:00:00 AM
Project:	CSL-1655	Date Received:	6/6/2017
Lab ID:	17060675-01A	Matrix:	Drinking Water
Client Sample ID:	SW-1	Site ID:	FARKAS SITE

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
----------	--------	-----	-----	----------	-------	-----------	---------------	-------

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	0.994	0.250	0.500	NA	mg/L	06/07/17 2:42PM	06/07/17 5:36PM	
Surr: 2,5-Dibromotoluene	85.4	NA	53.5-143	NA	%Rec	06/07/17 2:42PM	06/07/17 5:36PM	

VOLATILE ORGANIC COMPOUNDS-8260 **Method: SW8260B** **Analyst: CB**

Acetone	ND	5.00	10.0	NA	µg/L	06/07/17 12:29PM		
Acrolein	ND	5.00	10.0	NA	µg/L	06/07/17 12:29PM		
Acrylonitrile	ND	5.00	10.0	NA	µg/L	06/07/17 12:29PM		
Benzene	2.91	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Bromobenzene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Bromochloromethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Bromodichloromethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Bromoform	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Bromomethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
2-Butanone	ND	5.00	10.0	NA	µg/L	06/07/17 12:29PM		
n-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
sec-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
tert-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Carbon disulfide	ND	2.50	5.00	NA	µg/L	06/07/17 12:29PM		
Carbon tetrachloride	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Chlorobenzene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Chloroethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Chloroform	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Chloromethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
2-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
4-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Dibromochloromethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
1,2-Dibromoethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Dibromomethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
1,2-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
1,3-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
1,4-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
Dichlorodifluoromethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
1,1-Dichloroethane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
1,2-Dichloroethane	23.1	5.00	10.0	NA	µg/L	06/07/17 5:05PM		
1,1-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
cis-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
trans-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		
1,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/07/17 12:29PM		

REI Consultants, Inc. - Analytical Report

WO#: 17060675

Date Reported: 6/8/2017
Original

Client: EARTHNET LLC
Project: CSL-1655
Lab ID: 17060675-01A
Client Sample ID: SW-1

Collection Date: 6/5/2017 12:00:00 AM
Date Received: 6/6/2017
Matrix: Drinking Water
Site ID: FARKAS SITE

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/07/17	12:29PM	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/07/17	12:29PM	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
4-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/07/17	12:29PM	
Methyl tert-butyl ether	138	25.0	50.0	NA	µg/L	06/07/17	5:05PM	
Naphthalene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Styrene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Toluene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,2,4-Trimethylbenzene	9.04	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/07/17	12:29PM	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/07/17	12:29PM	
Surr: 1,2-Dichloroethane-d4	97.3	NA	75.9-132	NA	%Rec	06/07/17	12:29PM	
Surr: 4-Bromofluorobenzene	102	NA	73.6-132	NA	%Rec	06/07/17	12:29PM	
Surr: Dibromofluoromethane	106	NA	80.1-127	NA	%Rec	06/07/17	12:29PM	
Surr: Toluene-d8	95.7	NA	72.4-119	NA	%Rec	06/07/17	12:29PM	

REI Consultants, Inc. - Analytical Report

WO#: 17060675

Date Reported: 6/8/2017
Original

Client: EARTHNET LLC
Project: CSL-1655
Lab ID: 17060675-01A
Client Sample ID: SW-1

Collection Date: 6/5/2017 12:00:00 AM
Date Received: 6/6/2017
Matrix: Drinking Water
Site ID: FARKAS SITE

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: CB			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM		
tert-Butyl alcohol	ND	85.0	100	NA	µg/L	06/07/17	12:29PM		
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/07/17	12:29PM		
Isopropyl ether	8.55	2.50	5.00	NA	µg/L	06/07/17	12:29PM		
Surr: 1,2-Dichloroethane-d4	105	NA	80-120	NA	%Rec	06/07/17	12:29PM		
Surr: 4-Bromofluorobenzene	99.8	NA	80-120	NA	%Rec	06/07/17	12:29PM		
Surr: Dibromofluoromethane	116	NA	80-120	NA	%Rec	06/07/17	12:29PM		
Surr: Toluene-d8	95.4	NA	80-120	NA	%Rec	06/07/17	12:29PM		

Notes:

The MDL reporting limit for tert-Butyl alcohol is elevated due to matrix interference.



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REI Consultants, Inc.
 PO Box 286
 Beaver, WV 25813
 TEL: (304)255-2500
 Website: www.reiclabs.com

Sample Receipt Checklist

Client Name: EAR022		Work Order Number: 17060675	
RCPNo: 1	Date and Time Received: 6/6/2017 8:01:00 PM	Received by: Corey Landis	
Completed By: Traves Meadows	Reviewed By: Jimmy Suttle		
Completed Date: 6/7/2017 7:56:30 AM	Reviewed Date: 6/7/2017 8:49 AM		

Carrier Name: Client

- | | | | | |
|-----|---|---|--|---|
| 1. | Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 2. | Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 3. | Are matrices correctly identified on Chain of custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 4. | Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. | Custody seals intact? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 6. | Samples in proper container type and preservative? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. | Were correct preservatives noted on COC? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 8. | Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. | Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. | Were container labels complete? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. | All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. | Was an attempt made to cool the samples? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. | Sample Temp. taken and recorded upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | To 3.8 °C |
| 14. | Water - Were bubbles absent in VOC vials? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No Vials <input type="checkbox"/> |
| 15. | Are Samples considered acceptable? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 16. | COC filled out properly? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |

Client Notification/Response

Client Name: EAR022		Work Order Number: 17060675	
Comment: Preservative codes not noted. Sample collection time not provided.			
Client Contacted:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Person Contacted:			
Contact Mode:	Phone <input type="checkbox"/>	Fax: <input type="checkbox"/>	Email: <input type="checkbox"/>
In Person:	<input type="checkbox"/>		
Date Contacted:	Contacted By:		
Regarding:			
Client Instructions:			
Corrective Action:			



REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304) 255-2500
Website: www.reiclabs.com

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TEL: 540.777.1276

1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.248.0183

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Monday, June 19, 2017

Mr. Trev Greene
GREENE ENVIRONMENTAL SERVICES, LLC
570 REDBUD HILL ROAD
ROCKY MOUNT, VA 24151

TEL: (540) 483-3311

FAX:

RE:

Work Order #: 17062356

Dear Mr. Trev Greene:

REI Consultants, Inc. received 8 sample(s) on 6/16/2017 for the analyses presented in the following report.

Sincerely,

Billy Shirley
Project Manager
(304) 250-6214



Client: GREENE ENVIRONMENTAL SERVICES, LLC

Project:

The analytical results presented in this report were produced using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Verification of required sample preservation (as required) is recorded on associated laboratory logs. Any deviation from compliance or method modification is identified within the body of this report by a qualifier footnote which is defined at the bottom of this page.

All sample results for solid samples are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as TTHM and HAA5, may vary slightly from the sum of the individual parameter results, due to rounding of individual results, as required by EPA.

The test results in this report meet all NELAP and/or VELAP requirements for parameters clearly designated as PA, VA, PA/VA, or VELAP in the column labeled NELAP.

Please note if the sample collection time is not provided on the Chain of Custody, the default recording will be 0:00:00. This may cause some tests to be apparently analyzed out of hold.

All tests performed by REIC Service Centers are designated by an annotation on the test code. All other tests were performed by REIC's Main Laboratory in Beaver, WV.

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DEFINITIONS:

MCL: Maximum Contaminant Level

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (weight/weight) or milligram per Liter (weight/volume).

NA: Not Applicable

ND: Not Detected at the PQL or MDL

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported.

TIC: Tentatively Identified Compound, Estimated Concentration denoted by "J" qualifier.

Ug/Kg or ug/L: Units of part per billion (PPB) - microgram per kilogram (weight/weight) or microgram per liter (weight/volume).

QUALIFIERS:

X: Reported value exceeds required MCL

B: Analyte detected in the associated Method Blank at a concentration > 1/2 the PQL

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H: Holding time for preparation or analysis has been exceeded.

J: Analyte concentration is reported, and is less than the PQL and greater than or equal to the MDL. The result reported is an estimate.

S: % REC (% recovery) exceeds control limits

CERTIFICATIONS:

Beaver, WV: WVDHHR 00412CM, WVDEP 060, VADCLS 00281, KYDEP 90039, NCDWQ 466, PADEP 68-00839, VADCLS(VELAP) 460148

Bioassay (Beaver, WV): WVDEP 060, VADCLS(VELAP) 460148, PADEP 68-00839

Roanoke, VA: VADCLS(VELAP) 460150

Verona, VA: VADCLS(VELAP) 460151

Morgantown, WV: WVDHHR 003112M, WVDEP 387

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 10:40:00 AM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-01A	Matrix:	Groundwater
Client Sample ID:	DW01A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B				Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	06/18/17 5:33PM	PA/VA		
Acrolein	ND	5.00	10.0	NA		µg/L	06/18/17 5:33PM	PA/VA		
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/18/17 5:33PM	PA/VA		
Benzene	751	50.0	100	NA		µg/L	06/19/17 1:59PM	PA/VA		
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Bromodichloromethane	2.57	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Bromoform	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Bromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
MEK	ND	5.00	10.0	NA		µg/L	06/18/17 5:33PM	PA/VA		
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
sec-Butylbenzene	0.640	0.500	1.00	NA	J	µg/L	06/18/17 5:33PM	PA/VA		
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/18/17 5:33PM			
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Chlorobenzene	4.98	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Chloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Chloroform	16.1	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Chloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
2-Chlorotoluene	5.76	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
4-Chlorotoluene	1.31	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Dibromochloromethane	1.34	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
DBCP	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,2-Dichloroethane	80.0	5.00	10.0	NA		µg/L	06/19/17 1:26PM	PA/VA		
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,2-Dichloropropane	2.01	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA		

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 10:40:00 AM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-01A	Matrix:	Groundwater
Client Sample ID:	DW01A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
trans-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Ethylbenzene	18.9	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA		µg/L	06/18/17 5:33PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA		µg/L	06/18/17 5:33PM	PA/VA	
Isopropylbenzene	4.86	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
p-Isopropyltoluene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
4-Methyl-2-pentanone	26.1	5.00	10.0	NA		µg/L	06/18/17 5:33PM	PA/VA	
MTBE	604	25.0	50.0	NA		µg/L	06/19/17 1:26PM	PA/VA	
n-Propylbenzene	4.15	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Styrene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Toluene	0.590	0.500	1.00	NA	J	µg/L	06/18/17 5:33PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA		µg/L	06/18/17 5:33PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA		µg/L	06/18/17 5:33PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	178	NA	75.9-132	NA	S	%Rec	06/18/17 5:33PM		
Surr: 4-Bromofluorobenzene	102	NA	73.6-132	NA		%Rec	06/18/17 5:33PM		
Surr: Dibromofluoromethane	85.6	NA	80.1-127	NA		%Rec	06/18/17 5:33PM		
Surr: Toluene-d8	95.0	NA	72.4-119	NA		%Rec	06/18/17 5:33PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 11:45:00 AM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-02A	Matrix:	Groundwater
Client Sample ID:	DW03A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B				Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	06/18/17 6:06PM	PA/VA		
Acrolein	ND	5.00	10.0	NA		µg/L	06/18/17 6:06PM	PA/VA		
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/18/17 6:06PM	PA/VA		
Benzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Bromoform	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Bromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
MEK	ND	5.00	10.0	NA		µg/L	06/18/17 6:06PM	PA/VA		
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/18/17 6:06PM			
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Chloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Chloroform	0.930	0.500	1.00	NA	J	µg/L	06/19/17 12:52PM	PA/VA		
Chloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
DBCP	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,2-Dichloroethane	1.37	0.500	1.00	NA		µg/L	06/19/17 12:52PM	PA/VA		
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 6:06PM	PA/VA		

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 11:45:00 AM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-02A	Matrix:	Groundwater
Client Sample ID:	DW03A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Ethylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
2-Hexanone	ND	5.00	10.0	NA	µg/L		06/18/17 6:06PM	PA/VA
Iodomethane	ND	5.00	10.0	NA	µg/L		06/18/17 6:06PM	PA/VA
Isopropylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
p-Isopropyltoluene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Methylene chloride	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L		06/18/17 6:06PM	PA/VA
MTBE	10.8	2.50	5.00	NA	µg/L		06/19/17 12:52PM	PA/VA
n-Propylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Styrene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Tetrachloroethene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Toluene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Trichloroethene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Vinyl acetate	ND	5.00	10.0	NA	µg/L		06/18/17 6:06PM	PA/VA
Vinyl chloride	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
o-Xylene	ND	0.500	1.00	NA	µg/L		06/18/17 6:06PM	PA/VA
m,p-Xylene	ND	1.00	2.00	NA	µg/L		06/18/17 6:06PM	PA/VA
Surr: 1,2-Dichloroethane-d4	102	NA	75.9-132	NA	%Rec		06/18/17 6:06PM	
Surr: 4-Bromofluorobenzene	104	NA	73.6-132	NA	%Rec		06/18/17 6:06PM	
Surr: Dibromofluoromethane	99.5	NA	80.1-127	NA	%Rec		06/18/17 6:06PM	
Surr: Toluene-d8	96.3	NA	72.4-119	NA	%Rec		06/18/17 6:06PM	

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 12:05:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-03A	Matrix:	Groundwater
Client Sample ID:	DW04A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B			Analyst: JM		
Acetone	ND	5.00	10.0	NA	µg/L	06/18/17 6:39PM	PA/VA	
Acrolein	ND	5.00	10.0	NA	µg/L	06/18/17 6:39PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA	µg/L	06/18/17 6:39PM	PA/VA	
Benzene	3.56	0.500	1.00	NA	µg/L	06/19/17 12:19PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Bromoform	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
MEK	ND	5.00	10.0	NA	µg/L	06/18/17 6:39PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA	µg/L	06/18/17 6:39PM		
Carbon tetrachloride	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Chloroform	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
DBCP	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,2-Dichloroethane	2.85	0.500	1.00	NA	µg/L	06/19/17 12:19PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 6:39PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 12:05:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-03A	Matrix:	Groundwater
Client Sample ID:	DW04A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Ethylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
2-Hexanone	ND	5.00	10.0	NA	µg/L		06/18/17 6:39PM	PA/VA
Iodomethane	ND	5.00	10.0	NA	µg/L		06/18/17 6:39PM	PA/VA
Isopropylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
p-Isopropyltoluene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Methylene chloride	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L		06/18/17 6:39PM	PA/VA
MTBE	10.8	2.50	5.00	NA	µg/L		06/19/17 12:19PM	PA/VA
n-Propylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Styrene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Tetrachloroethene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Toluene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Trichloroethene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Vinyl acetate	ND	5.00	10.0	NA	µg/L		06/18/17 6:39PM	PA/VA
Vinyl chloride	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
o-Xylene	ND	0.500	1.00	NA	µg/L		06/18/17 6:39PM	PA/VA
m,p-Xylene	ND	1.00	2.00	NA	µg/L		06/18/17 6:39PM	PA/VA
Surr: 1,2-Dichloroethane-d4	102	NA	75.9-132	NA	%Rec		06/18/17 6:39PM	
Surr: 4-Bromofluorobenzene	105	NA	73.6-132	NA	%Rec		06/18/17 6:39PM	
Surr: Dibromofluoromethane	97.6	NA	80.1-127	NA	%Rec		06/18/17 6:39PM	
Surr: Toluene-d8	99.0	NA	72.4-119	NA	%Rec		06/18/17 6:39PM	

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 1:52:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-04A	Matrix:	Groundwater
Client Sample ID:	DW19A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B			Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	06/18/17 7:13PM	PA/VA	
Acrolein	ND	5.00	10.0	NA		µg/L	06/18/17 7:13PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/18/17 7:13PM	PA/VA	
Benzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Bromoform	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
MEK	ND	5.00	10.0	NA		µg/L	06/18/17 7:13PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/18/17 7:13PM		
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Chloroform	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
DBCP	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 7:13PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 1:52:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-04A	Matrix:	Groundwater
Client Sample ID:	DW19A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/18/17 7:13PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/18/17 7:13PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
p-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/18/17 7:13PM	PA/VA	
MTBE	ND	2.50	5.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/18/17 7:13PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/18/17 7:13PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	103	NA	75.9-132	NA	%Rec	06/18/17 7:13PM		
Surr: 4-Bromofluorobenzene	101	NA	73.6-132	NA	%Rec	06/18/17 7:13PM		
Surr: Dibromofluoromethane	95.9	NA	80.1-127	NA	%Rec	06/18/17 7:13PM		
Surr: Toluene-d8	97.3	NA	72.4-119	NA	%Rec	06/18/17 7:13PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 1:48:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-05A	Matrix:	Groundwater
Client Sample ID:	DW09A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B			Analyst: JM		
Acetone	ND	5.00	10.0	NA	µg/L	06/18/17 7:46PM	PA/VA	
Acrolein	ND	5.00	10.0	NA	µg/L	06/18/17 7:46PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA	µg/L	06/18/17 7:46PM	PA/VA	
Benzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Bromoform	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
MEK	ND	5.00	10.0	NA	µg/L	06/18/17 7:46PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA	µg/L	06/18/17 7:46PM		
Carbon tetrachloride	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Chloroform	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
DBCP	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 1:48:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-05A	Matrix:	Groundwater
Client Sample ID:	DW09A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/18/17 7:46PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/18/17 7:46PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
p-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/18/17 7:46PM	PA/VA	
MTBE	ND	2.50	5.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/18/17 7:46PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/18/17 7:46PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	104	NA	75.9-132	NA	%Rec	06/18/17 7:46PM		
Surr: 4-Bromofluorobenzene	105	NA	73.6-132	NA	%Rec	06/18/17 7:46PM		
Surr: Dibromofluoromethane	98.2	NA	80.1-127	NA	%Rec	06/18/17 7:46PM		
Surr: Toluene-d8	96.7	NA	72.4-119	NA	%Rec	06/18/17 7:46PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 3:30:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-06A	Matrix:	Groundwater
Client Sample ID:	DW32A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B			Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	06/18/17 8:19PM	PA/VA	
Acrolein	ND	5.00	10.0	NA		µg/L	06/18/17 8:19PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/18/17 8:19PM	PA/VA	
Benzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Bromoform	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
MEK	ND	5.00	10.0	NA		µg/L	06/18/17 8:19PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/18/17 8:19PM		
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Chloroform	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
DBCP	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 8:19PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 3:30:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-06A	Matrix:	Groundwater
Client Sample ID:	DW32A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/18/17 8:19PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/18/17 8:19PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
p-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/18/17 8:19PM	PA/VA	
MTBE	ND	2.50	5.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/18/17 8:19PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/18/17 8:19PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	104	NA	75.9-132	NA	%Rec	06/18/17 8:19PM		
Surr: 4-Bromofluorobenzene	106	NA	73.6-132	NA	%Rec	06/18/17 8:19PM		
Surr: Dibromofluoromethane	96.3	NA	80.1-127	NA	%Rec	06/18/17 8:19PM		
Surr: Toluene-d8	96.3	NA	72.4-119	NA	%Rec	06/18/17 8:19PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 3:45:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-07A	Matrix:	Groundwater
Client Sample ID:	DW31A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B				Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	06/18/17 8:52PM	PA/VA		
Acrolein	ND	5.00	10.0	NA		µg/L	06/18/17 8:52PM	PA/VA		
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/18/17 8:52PM	PA/VA		
Benzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Bromoform	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Bromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
MEK	ND	5.00	10.0	NA		µg/L	06/18/17 8:52PM	PA/VA		
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/18/17 8:52PM			
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Chloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Chloroform	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Chloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
DBCP	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 8:52PM	PA/VA		

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 3:45:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-07A	Matrix:	Groundwater
Client Sample ID:	DW31A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/18/17 8:52PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/18/17 8:52PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
p-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/18/17 8:52PM	PA/VA	
MTBE	ND	2.50	5.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/18/17 8:52PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/18/17 8:52PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	109	NA	75.9-132	NA	%Rec	06/18/17 8:52PM		
Surr: 4-Bromofluorobenzene	97.6	NA	73.6-132	NA	%Rec	06/18/17 8:52PM		
Surr: Dibromofluoromethane	98.2	NA	80.1-127	NA	%Rec	06/18/17 8:52PM		
Surr: Toluene-d8	94.8	NA	72.4-119	NA	%Rec	06/18/17 8:52PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 4:05:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-08A	Matrix:	Groundwater
Client Sample ID:	DW33A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B			Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	06/18/17 9:25PM	PA/VA	
Acrolein	ND	5.00	10.0	NA		µg/L	06/18/17 9:25PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/18/17 9:25PM	PA/VA	
Benzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Bromoform	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
MEK	ND	5.00	10.0	NA		µg/L	06/18/17 9:25PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/18/17 9:25PM		
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Chloroform	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
DBCP	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/18/17 9:25PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062356

Date Reported: 6/19/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/16/2017 4:05:00 PM
Project:		Date Received:	6/16/2017
Lab ID:	17062356-08A	Matrix:	Groundwater
Client Sample ID:	DW33A	Site ID:	VA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/18/17 9:25PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/18/17 9:25PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
p-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/18/17 9:25PM	PA/VA	
MTBE	ND	2.50	5.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/18/17 9:25PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/18/17 9:25PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	106	NA	75.9-132	NA	%Rec	06/18/17 9:25PM		
Surr: 4-Bromofluorobenzene	102	NA	73.6-132	NA	%Rec	06/18/17 9:25PM		
Surr: Dibromofluoromethane	97.5	NA	80.1-127	NA	%Rec	06/18/17 9:25PM		
Surr: Toluene-d8	95.6	NA	72.4-119	NA	%Rec	06/18/17 9:25PM		



Improving the environment, one client at a time...

REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304)255-2500
Website: www.reiclabs.com

Sample Receipt Checklist

Client Name: GRE096 Work Order Number: 17062356
RCPNo: 1 Date and Time Received: 6/16/2017 8:35:00 PM Received by: Brandon Knight
Completed By: Kim Pack Reviewed By: Billy Shirley
Completed Date: 6/17/2017 6:43:09 AM Reviewed Date: 6/19/2017 8:25 AM

Carrier Name: Client

- 1. Chain of custody present? Yes [x] No []
2. Chain of custody signed when relinquished and received? Yes [x] No []
3. Are matrices correctly identified on Chain of custody? Yes [x] No []
4. Is it clear what analyses were requested? Yes [x] No []
5. Custody seals intact? Yes [] No [] Not Present [x]
6. Samples in proper container type and preservative? Yes [x] No []
7. Were correct preservatives noted on COC? Yes [] No [x] NA []
8. Sample containers intact? Yes [x] No []
9. Sufficient sample volume for indicated test? Yes [x] No []
10. Were container labels complete? Yes [x] No []
11. All samples received within holding time? Yes [x] No []
12. Was an attempt made to cool the samples? Yes [x] No [] NA []
13. Sample Temp. taken and recorded upon receipt? Yes [x] No [] To 1.8 °C
14. Water - Were bubbles absent in VOC vials? Yes [x] No [] No Vials []
15. Are Samples considered acceptable? Yes [x] No []
16. COC filled out properly? Yes [x] No []

Client Notification/Response

Client Name: GRE096 Work Order Number: 17062356
Comment: NO PRESERVATION CODES NOTED ON COC
Client Contacted: Yes [] No [] NA [x] Person Contacted:
Contact Mode: Phone [] Fax: [] Email: [] In Person: []
Date Contacted: Contacted By:
Regarding:
Client Instructions:
Corrective Action:

CHAIN OF CUSTODY RECORD

v10-0114

REIC use ONLY

CLIENT ID _____

DATE _____

SHEET _____

17062356
 GREENE ENVIRONMENTAL SERVICES, LLC
 GRE096
 Billy Shirley

REIC

Industrial Consultants, Inc.

CORPORATE HEADQUARTERS:
 P.O. Box 286 • 225 Industrial Park Rd, Beaver, WV 25813
 800-999-0105 • 304-255-2500 • www.reiclabs.com

Client: Greene Environmental Services PO # _____
 Contact Person Trev Greene Phone (540) 483-3311
 Address 129 Bunny Ridge Lane City Rocky Mount State VA Zip 24151
 Billing Address (if different) 200 Buckwheat Lane
 City Rocky Mount State VA Zip 24151
 Site ID & State _____ VA _____ Project ID _____ Sampler _____

MID-OHIO VALLEY Service Center
 101 17th Street
 Ashland, KY 41101
 606-393-5027

SHENANDOAH Service Center
 1557 Commerce Rd., Ste 201
 Verona, VA 24482
 540-248-0183

ROANOKE Service Center
 3029-C Peters Creek Rd
 Roanoke, VA 24019
 540-777-1276

MORGANTOWN Service Center
 16 Commerce Drive
 Westover, WV 26501
 304-241-5861

SAMPLE LOG & ANALYSIS REQUEST

TURNAROUND TIME NORMAL 5 DAY 3 DAY 2 DAY 1 DAY **RUSH TURNAROUND**

*Rush work needs prior laboratory approval and will incur additional charges.

ANALYSIS & METHOD REQUESTED

VOCs via 8260

SAMPLE ID	No. & Type of Containers	Sampling Date/Time	Matrix	Sample Comp/Grab	1	2	3	4	5	6	7	8	9	10	11	12
DV01A	3 VOCs	6-16-17/1040	Choose	Choose	X											
DV03A		11145	Choose	Choose	X											
DV04A		11205	Choose	Choose	X											
DV01A DV19A		11352	Choose	Choose	X											
DV09A		11348	Choose	Choose	X											
DV32A		11530	Choose	Choose	X											
DV31A		11545	Choose	Choose	X											
DV33A		11605	Choose	Choose	X											
			Choose	Choose												

ENTER PRESERVATIVE CODE(S):

0 None	6 Sodium Hydroxide
1 Hydrochloric Acid	7 Ascorbic Acid
2 Nitric Acid	8 Sodium Bisulfate/Methanol
3 Sulfuric Acid	9 Ammonium Chloride
4 Sodium Thiosulfate	10 _____
5 Sodium Hydroxide/ Sodium Arsenite	11 _____

*(Use blanks for preservatives not listed.)

COMMENTS:
 Client Brought in.
 No custody seals / Not REIC Bank

All analytical requests are subject to REIC's Standard Terms and Conditions.

Temperature at arrival: 1.8°C ICED? Y N

Containers provided by: REIC Client

1 Relinquished by (signature): 	Date/Time: <u>6-16-17</u> <u>10:11</u>	2 Relinquished by (signature): 	Date/Time: <u>6/16/17</u> <u>11:35</u>	3 Relinquished by (signature): 	Date/Time: <u>6/16/17</u> <u>2035</u>
Received by (signature): 	Date/Time: <u>6-16-17</u> <u>16:42</u>	Received by (signature): 	Date/Time: <u>6/16/17</u> <u>11:35</u>	Received by (signature): 	Date/Time: <u>6/16/17</u> <u>2035</u>



REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
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Website: www.reiclabs.com

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3029-C Peters Creek Road
Roanoke, VA 24019
TEL: 540.777.1276

1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.248.0183

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Friday, June 23, 2017

Mr. Trev Greene
GREENE ENVIRONMENTAL SERVICES, LLC
570 REDBUD HILL ROAD
ROCKY MOUNT, VA 24151

TEL: (540) 483-3311

FAX:

RE: CHAMBLISSBURG SUPPLY

Work Order #: 17062892

Dear Mr. Trev Greene:

REI Consultants, Inc. received 5 sample(s) on 6/21/2017 for the analyses presented in the following report.

Sincerely,

Billy Shirley
Project Manager
(304) 250-6214



Client: GREENE ENVIRONMENTAL SERVICES, LLC

Project: CHAMBLISSBURG SUPPLY

The analytical results presented in this report were produced using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Verification of required sample preservation (as required) is recorded on associated laboratory logs. Any deviation from compliance or method modification is identified within the body of this report by a qualifier footnote which is defined at the bottom of this page.

All sample results for solid samples are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as TTHM and HAA5, may vary slightly from the sum of the individual parameter results, due to rounding of individual results, as required by EPA.

The test results in this report meet all NELAP and/or VELAP requirements for parameters clearly designated as PA, VA, PA/VA, or VELAP in the column labeled NELAP.

Please note if the sample collection time is not provided on the Chain of Custody, the default recording will be 0:00:00. This may cause some tests to be apparently analyzed out of hold.

All tests performed by REIC Service Centers are designated by an annotation on the test code. All other tests were performed by REIC's Main Laboratory in Beaver, WV.

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DEFINITIONS:

MCL: Maximum Contaminant Level

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (weight/weight) or milligram per Liter (weight/volume).

NA: Not Applicable

ND: Not Detected at the PQL or MDL

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported.

TIC: Tentatively Identified Compound, Estimated Concentration denoted by "J" qualifier.

Ug/Kg or ug/L: Units of part per billion (PPB) - microgram per kilogram (weight/weight) or microgram per liter (weight/volume).

QUALIFIERS:

X: Reported value exceeds required MCL

B: Analyte detected in the associated Method Blank at a concentration > 1/2 the PQL

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H: Holding time for preparation or analysis has been exceeded.

J: Analyte concentration is reported, and is less than the PQL and greater than or equal to the MDL. The result reported is an estimate.

S: % REC (% recovery) exceeds control limits

CERTIFICATIONS:

Beaver, WV: WVDHHR 00412CM, WVDEP 060, VADCLS 00281, KYDEP 90039, NCDWQ 466, PADEP 68-00839, VADCLS(VELAP) 460148

Bioassay (Beaver, WV): WVDEP 060, VADCLS(VELAP) 460148, PADEP 68-00839

Roanoke, VA: VADCLS(VELAP) 460150

Verona, VA: VADCLS(VELAP) 460151

Morgantown, WV: WVDHHR 003112M, WVDEP 387

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 12:15:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-01A	Matrix:	Liquid
Client Sample ID:	DW05A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
EDB AND/OR DBCP		Method: SW8011				Analyst: JH			
DBCP	ND	0.00744	0.0196	0.200		µg/L	06/22/17 11:09AM	06/22/17 2:26PM	PA/VA
EDB	ND	0.00382	0.0196	0.050		µg/L	06/22/17 11:09AM	06/22/17 2:26PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260		Method: SW8260B				Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Acrolein	ND	5.00	10.0	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Benzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Bromoform	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Bromomethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
2-Butanone	ND	5.00	10.0	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Chloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Chloroform	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Chloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	06/22/17 2:33PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 12:15:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-01A	Matrix:	Liquid
Client Sample ID:	DW05A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA		µg/L	06/22/17 2:33PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA		µg/L	06/22/17 2:33PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA		µg/L	06/22/17 2:33PM	PA/VA	
Methyl tert-butyl ether	1.61	1.00	5.00	NA	J	µg/L	06/22/17 2:33PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Styrene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Toluene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA		µg/L	06/22/17 2:33PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA		µg/L	06/22/17 2:33PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	107	NA	75.9-132	NA		%Rec	06/22/17 2:33PM		
Surr: 4-Bromofluorobenzene	102	NA	73.6-132	NA		%Rec	06/22/17 2:33PM		
Surr: Dibromofluoromethane	98.8	NA	80.1-127	NA		%Rec	06/22/17 2:33PM		
Surr: Toluene-d8	96.0	NA	72.4-119	NA		%Rec	06/22/17 2:33PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 12:15:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-01A	Matrix:	Liquid
Client Sample ID:	DW05A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	06/22/17	2:33PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	2:33PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	2:33PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L	06/22/17	2:33PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	2:33PM		
Ethanol	ND	100	200	NA	µg/L	06/22/17	2:33PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L	06/22/17	2:33PM		
Surr: 1,2-Dichloroethane-d4	105	NA	70-130	NA	%Rec	06/22/17	2:33PM		
Surr: 4-Bromofluorobenzene	93.7	NA	70-130	NA	%Rec	06/22/17	2:33PM		
Surr: Dibromofluoromethane	103	NA	70-130	NA	%Rec	06/22/17	2:33PM		
Surr: Toluene-d8	97.6	NA	70-130	NA	%Rec	06/22/17	2:33PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 1:00:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-02A	Matrix:	Liquid
Client Sample ID:	DW07A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
----------	--------	-----	-----	----------	-------	-----------	---------------	-------

EDB AND/OR DBCP			Method: SW8011			Analyst: JH		
DBCP	ND	0.00760	0.0200	0.200	µg/L	06/22/17 11:09AM	06/22/17 2:42PM	PA/VA
EDB	ND	0.00390	0.0200	0.050	µg/L	06/22/17 11:09AM	06/22/17 2:42PM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B			Analyst: JM		
Acetone	ND	5.00	10.0	NA	µg/L	06/22/17 3:06PM	PA/VA	
Acrolein	ND	5.00	10.0	NA	µg/L	06/22/17 3:06PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA	µg/L	06/22/17 3:06PM	PA/VA	
Benzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Bromoform	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
2-Butanone	ND	5.00	10.0	NA	µg/L	06/22/17 3:06PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA	µg/L	06/22/17 3:06PM		
Carbon tetrachloride	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Chloroform	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 3:06PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 1:00:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-02A	Matrix:	Liquid
Client Sample ID:	DW07A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA		µg/L	06/22/17 3:06PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA		µg/L	06/22/17 3:06PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA		µg/L	06/22/17 3:06PM	PA/VA	
Methyl tert-butyl ether	2.33	1.00	5.00	NA	J	µg/L	06/22/17 3:06PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Styrene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Toluene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA		µg/L	06/22/17 3:06PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA		µg/L	06/22/17 3:06PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	105	NA	75.9-132	NA		%Rec	06/22/17 3:06PM		
Surr: 4-Bromofluorobenzene	96.8	NA	73.6-132	NA		%Rec	06/22/17 3:06PM		
Surr: Dibromofluoromethane	103	NA	80.1-127	NA		%Rec	06/22/17 3:06PM		
Surr: Toluene-d8	98.3	NA	72.4-119	NA		%Rec	06/22/17 3:06PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 1:00:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-02A	Matrix:	Liquid
Client Sample ID:	DW07A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	06/22/17	3:06PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	3:06PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	3:06PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L	06/22/17	3:06PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	3:06PM		
Ethanol	ND	100	200	NA	µg/L	06/22/17	3:06PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L	06/22/17	3:06PM		
Surr: 1,2-Dichloroethane-d4	104	NA	70-130	NA	%Rec	06/22/17	3:06PM		
Surr: 4-Bromofluorobenzene	93.2	NA	70-130	NA	%Rec	06/22/17	3:06PM		
Surr: Dibromofluoromethane	99.2	NA	70-130	NA	%Rec	06/22/17	3:06PM		
Surr: Toluene-d8	100	NA	70-130	NA	%Rec	06/22/17	3:06PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 3:20:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-03A	Matrix:	Liquid
Client Sample ID:	DW11A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP			Method: SW8011				Analyst: JH		
DBCP	ND	0.00754	0.0198	0.200		µg/L	06/22/17 11:09AM	06/22/17 2:58PM	PA/VA
EDB	ND	0.00387	0.0198	0.050		µg/L	06/22/17 11:09AM	06/22/17 2:58PM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B				Analyst: JM		
Acetone	ND	5.00	10.0	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Acrolein	ND	5.00	10.0	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Benzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Bromoform	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Bromomethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
2-Butanone	ND	5.00	10.0	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Chloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Chloroform	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Chloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 3:39PM	06/22/17 3:39PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 3:20:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-03A	Matrix:	Liquid
Client Sample ID:	DW11A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/22/17 3:39PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/22/17 3:39PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/22/17 3:39PM	PA/VA	
Methyl tert-butyl ether	ND	1.00	5.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/22/17 3:39PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/22/17 3:39PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	103	NA	75.9-132	NA	%Rec	06/22/17 3:39PM		
Surr: 4-Bromofluorobenzene	106	NA	73.6-132	NA	%Rec	06/22/17 3:39PM		
Surr: Dibromofluoromethane	98.5	NA	80.1-127	NA	%Rec	06/22/17 3:39PM		
Surr: Toluene-d8	96.2	NA	72.4-119	NA	%Rec	06/22/17 3:39PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 3:20:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-03A	Matrix:	Liquid
Client Sample ID:	DW11A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L		06/22/17 3:39PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L		06/22/17 3:39PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L		06/22/17 3:39PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L		06/22/17 3:39PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L		06/22/17 3:39PM		
Ethanol	ND	100	200	NA	µg/L		06/22/17 3:39PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L		06/22/17 3:39PM		
Surr: 1,2-Dichloroethane-d4	102	NA	70-130	NA	%Rec		06/22/17 3:39PM		
Surr: 4-Bromofluorobenzene	95.7	NA	70-130	NA	%Rec		06/22/17 3:39PM		
Surr: Dibromofluoromethane	96.9	NA	70-130	NA	%Rec		06/22/17 3:39PM		
Surr: Toluene-d8	98.3	NA	70-130	NA	%Rec		06/22/17 3:39PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017

Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 3:55:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-04A	Matrix:	Liquid
Client Sample ID:	DW12A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP			Method: SW8011				Analyst: JH		
DBCP	ND	0.00748	0.0197	0.200		µg/L	06/22/17 11:09AM	06/22/17 3:14PM	PA/VA
EDB	ND	0.00384	0.0197	0.050		µg/L	06/22/17 11:09AM	06/22/17 3:14PM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B				Analyst: JM		
Acetone	ND	5.00	10.0	NA		µg/L	06/22/17 4:12PM	PA/VA	
Acrolein	ND	5.00	10.0	NA		µg/L	06/22/17 4:12PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/22/17 4:12PM	PA/VA	
Benzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Bromoform	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
2-Butanone	ND	5.00	10.0	NA		µg/L	06/22/17 4:12PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/22/17 4:12PM		
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Chloroform	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 4:12PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 3:55:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-04A	Matrix:	Liquid
Client Sample ID:	DW12A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/22/17 4:12PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/22/17 4:12PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/22/17 4:12PM	PA/VA	
Methyl tert-butyl ether	ND	1.00	5.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/22/17 4:12PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/22/17 4:12PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	99.6	NA	75.9-132	NA	%Rec	06/22/17 4:12PM		
Surr: 4-Bromofluorobenzene	98.7	NA	73.6-132	NA	%Rec	06/22/17 4:12PM		
Surr: Dibromofluoromethane	106	NA	80.1-127	NA	%Rec	06/22/17 4:12PM		
Surr: Toluene-d8	96.0	NA	72.4-119	NA	%Rec	06/22/17 4:12PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 3:55:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-04A	Matrix:	Liquid
Client Sample ID:	DW12A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	06/22/17	4:12PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	4:12PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	4:12PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L	06/22/17	4:12PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	4:12PM		
Ethanol	ND	100	200	NA	µg/L	06/22/17	4:12PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L	06/22/17	4:12PM		
Surr: 1,2-Dichloroethane-d4	98.6	NA	70-130	NA	%Rec	06/22/17	4:12PM		
Surr: 4-Bromofluorobenzene	91.1	NA	70-130	NA	%Rec	06/22/17	4:12PM		
Surr: Dibromofluoromethane	97.1	NA	70-130	NA	%Rec	06/22/17	4:12PM		
Surr: Toluene-d8	97.8	NA	70-130	NA	%Rec	06/22/17	4:12PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 4:20:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-05A	Matrix:	Liquid
Client Sample ID:	DW09A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP			Method: SW8011			Analyst: JH		
DBCP	ND	0.00737	0.0194	0.200	µg/L	06/22/17 11:09AM	06/22/17 3:30PM	PA/VA
EDB	ND	0.00378	0.0194	0.050	µg/L	06/22/17 11:09AM	06/22/17 3:30PM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B			Analyst: JM		
Acetone	ND	5.00	10.0	NA	µg/L	06/22/17 4:45PM	PA/VA	
Acrolein	ND	5.00	10.0	NA	µg/L	06/22/17 4:45PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA	µg/L	06/22/17 4:45PM	PA/VA	
Benzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Bromoform	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
2-Butanone	ND	5.00	10.0	NA	µg/L	06/22/17 4:45PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA	µg/L	06/22/17 4:45PM		
Carbon tetrachloride	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Chloroform	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 4:20:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-05A	Matrix:	Liquid
Client Sample ID:	DW09A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/22/17 4:45PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/22/17 4:45PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/22/17 4:45PM	PA/VA	
Methyl tert-butyl ether	ND	1.00	5.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/22/17 4:45PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/22/17 4:45PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	102	NA	75.9-132	NA	%Rec	06/22/17 4:45PM		
Surr: 4-Bromofluorobenzene	99.6	NA	73.6-132	NA	%Rec	06/22/17 4:45PM		
Surr: Dibromofluoromethane	97.2	NA	80.1-127	NA	%Rec	06/22/17 4:45PM		
Surr: Toluene-d8	94.7	NA	72.4-119	NA	%Rec	06/22/17 4:45PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062892

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 4:20:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062892-05A	Matrix:	Liquid
Client Sample ID:	DW09A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L		06/22/17 4:45PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L		06/22/17 4:45PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L		06/22/17 4:45PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L		06/22/17 4:45PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L		06/22/17 4:45PM		
Ethanol	ND	100	200	NA	µg/L		06/22/17 4:45PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L		06/22/17 4:45PM		
Surr: 1,2-Dichloroethane-d4	101	NA	70-130	NA	%Rec		06/22/17 4:45PM		
Surr: 4-Bromofluorobenzene	88.8	NA	70-130	NA	%Rec		06/22/17 4:45PM		
Surr: Dibromofluoromethane	98.7	NA	70-130	NA	%Rec		06/22/17 4:45PM		
Surr: Toluene-d8	96.4	NA	70-130	NA	%Rec		06/22/17 4:45PM		



Improving the environment, one client at a time...

REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304)255-2500
Website: www.reiclabs.com

Sample Receipt Checklist

Client Name: GRE096 Work Order Number: 17062892
RCPNo: 1 Date and Time Received: 6/21/2017 6:45:00 PM Received by: Brandon Knight
Completed By: Doug Arthur Reviewed By: Billy Shirley
Completed Date: 6/22/2017 9:26:15 AM Reviewed Date: 6/22/2017 11:54 AM

Carrier Name: REIC

- 1. Chain of custody present? Yes [x] No []
2. Chain of custody signed when relinquished and received? Yes [x] No []
3. Are matrices correctly identified on Chain of custody? Yes [x] No []
4. Is it clear what analyses were requested? Yes [x] No []
5. Custody seals intact? Yes [] No [] Not Present [x]
6. Samples in proper container type and preservative? Yes [x] No []
7. Were correct preservatives noted on COC? Yes [x] No [] NA []
8. Sample containers intact? Yes [x] No []
9. Sufficient sample volume for indicated test? Yes [x] No []
10. Were container labels complete? Yes [x] No []
11. All samples received within holding time? Yes [x] No []
12. Was an attempt made to cool the samples? Yes [x] No [] NA []
13. Sample Temp. taken and recorded upon receipt? Yes [x] No [] To 3.2 °C
14. Water - Were bubbles absent in VOC vials? Yes [x] No [] No Vials []
15. Are Samples considered acceptable? Yes [x] No []
16. COC filled out properly? Yes [x] No []

Client Notification/Response

Client Name: GRE096 Work Order Number: 17062892
Comment: Change DW006A to DW007A per Trev Greene
Client Contacted: Yes [] No [] NA [x] Person Contacted:
Contact Mode: Phone [] Fax: [] Email: [] In Person: []
Date Contacted: Contacted By:
Regarding:
Client Instructions:
Corrective Action:

CHAIN OF CUSTODY RECORD

17062892

GREENE ENVIRONMENTAL SERVICES, LLC
GRE096

Billy Shirley

Research Environmental & Industrial Consultants, Inc.

MAIN LABORATORY & CORPORATE HEADQUARTERS:

P.O. Box 286 • 225 Industrial Park Rd, Beaver, WV 25813
800-999-0105 • 304-255-2500 • www.reiclabs.com

MID-OHIO VALLEY Service Center
101 17th Street
Ashland, KY 41101
606-393-5027

SHENANDOAH Service Center
1557 Commerce Rd., Ste 201
Verona, VA 24482
540-248-0183

ROANOKE Service Center
3029-C Peters Creek Rd
Roanoke, VA 24019
540-777-1276

MORGANTOWN Service Center
16 Commerce Drive
Westover, WV 26501
304-241-5861



v10-0114

REIC use ONLY

CLIENT ID _____

DATE _____

SHEET _____

Client: Greene Environmental Services

PO # CSVI1001

Contact Person Trev Greene

Phone (540) 483-3311

Address 129 Bunny Ridge Lane

City Rocky Mount

State VA

Zip 24151

Billing Address (if different) 570 Redbud Hill Road

City Rocky Mount

State VA

Zip 24151

Site ID & State Virginia

Project ID Chamblissburg Supply

Sampler CH

SAMPLE LOG & ANALYSIS REQUEST

TURNAROUND TIME



NORMAL

RUSH TURNAROUND*



5 DAY



3 DAY



2 DAY



1 DAY

*Rush work needs prior laboratory approval and will incur additional charges

ANALYSIS & METHOD REQUESTED

8260 Oxygenates plus Ethanol (see comments for specifics*)

Also for the above- 1ppb for Benzene and MTBE

8011 EDB and DBCP

SAMPLE ID	No. & Type of Containers	Sampling Date/Time	Matrix	Sample Comp/Grab	ANALYSIS & METHOD REQUESTED																	
					1	10	10	10	10	10	10	10	10	10	10	10						
DW05A	5 voa	06/20/17 1215	Water	Grab	X	X																
DW06A	5 voa	06/20/17 1300	Water	Grab	X	X																
*DW06B	5 voa	06/20/17 1255	Water	Grab	X	X																
DW11A	5 voa	06/20/17 1520	Water	Grab	X	X																
DW12A	5 voa	06/20/17 1555	Water	Grab	X	X																
DW09A	5 voa	06/20/17 1620	Water	Grab	X	X																
			Choose	Choose																		
			Choose	Choose																		
			Choose	Choose																		

ENTER PRESERVATIVE CODE(S):

- 0 None
- 1 Hydrochloric Acid
- 2 Nitric Acid
- 3 Sulfuric Acid
- 4 Sodium Thiosulfate
- 5 Sodium Hydroxide/ Sodium Arsenite
- 6 Sodium Hydroxide
- 7 Ascorbic Acid
- 8 Sodium Bisulfate/Methanol
- 9 Ammonium Chloride
- 10 Ice
- 11 _____

*(Use blanks for preservatives not listed.)

COMMENTS: REIC Courier & NO Custody Seals
Page 1 of 1
Note: no rush on DW06B * SEPARATE JOB
Rush all others.
-1ppb for Benzene and MTBE
-Include Oxygenates: ethanol, TAA, TAEE, TAME, TBA, ETBE, DIPE

All analytical requests are subject to REIC's Standard Terms and Conditions

Temperature at arrival: 3.2 °C ICED? Y N

Containers provided by: [] REIC [x] Client

1 Received by (signature) <i>BL</i>	Date/Time <u>6-21-17</u> 14:00	2 Received by (signature) <i>Destiny Duncan</i>	Date/Time <u>6-21-17</u> 15:32	3 Relinquished by (signature) <i>[Signature]</i>	Date/Time <u>6-21-17</u> 17:25
---	--------------------------------------	---	--------------------------------------	--	--------------------------------------



REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304) 255-2500
Website: www.reiclabs.com

Improving the environment, one client at a time...

3029-C Peters Creek Road
Roanoke, VA 24019
TEL: 540.777.1276

1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.248.0183

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Friday, June 23, 2017

Mr. Trev Greene
GREENE ENVIRONMENTAL SERVICES, LLC
570 REDBUD HILL ROAD
ROCKY MOUNT, VA 24151

TEL: (540) 483-3311

FAX:

RE: CHAMBLISSBURG SUPPLY

Work Order #: 17062906

Dear Mr. Trev Greene:

REI Consultants, Inc. received 1 sample(s) on 6/21/2017 for the analyses presented in the following report.

Sincerely,

Billy Shirley
Project Manager
(304) 250-6214



Client: GREENE ENVIRONMENTAL SERVICES, LLC
Project: CHAMBLISSBURG SUPPLY

The analytical results presented in this report were produced using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Verification of required sample preservation (as required) is recorded on associated laboratory logs. Any deviation from compliance or method modification is identified within the body of this report by a qualifier footnote which is defined at the bottom of this page.

All sample results for solid samples are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as TTHM and HAA5, may vary slightly from the sum of the individual parameter results, due to rounding of individual results, as required by EPA.

The test results in this report meet all NELAP and/or VELAP requirements for parameters clearly designated as PA, VA, PA/VA, or VELAP in the column labeled NELAP.

Please note if the sample collection time is not provided on the Chain of Custody, the default recording will be 0:00:00. This may cause some tests to be apparently analyzed out of hold.

All tests performed by REIC Service Centers are designated by an annotation on the test code. All other tests were performed by REIC's Main Laboratory in Beaver, WV.

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DEFINITIONS:

MCL: Maximum Contaminant Level

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (weight/weight) or milligram per Liter (weight/volume).

NA: Not Applicable

ND: Not Detected at the PQL or MDL

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported.

TIC: Tentatively Identified Compound, Estimated Concentration denoted by "J" qualifier.

Ug/Kg or ug/L: Units of part per billion (PPB) - microgram per kilogram (weight/weight) or microgram per liter (weight/volume).

QUALIFIERS:

X: Reported value exceeds required MCL

B: Analyte detected in the associated Method Blank at a concentration > 1/2 the PQL

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H: Holding time for preparation or analysis has been exceeded.

J: Analyte concentration is reported, and is less than the PQL and greater than or equal to the MDL. The result reported is an estimate.

S: % REC (% recovery) exceeds control limits

CERTIFICATIONS:

Beaver, WV: WVDHHR 00412CM, WVDEP 060, VADCLS 00281, KYDEP 90039, NCDWQ 466, PADEP 68-00839, VADCLS(VELAP) 460148

Bioassay (Beaver, WV): WVDEP 060, VADCLS(VELAP) 460148, PADEP 68-00839

Roanoke, VA: VADCLS(VELAP) 460150

Verona, VA: VADCLS(VELAP) 460151

Morgantown, WV: WVDHHR 003112M, WVDEP 387

REI Consultants, Inc. - Analytical Report

WO#: 17062906

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 12:55:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062906-01A	Matrix:	Liquid
Client Sample ID:	DW06B	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
----------	--------	-----	-----	-----	------	-------	-----------	---------------	-------

EDB AND/OR DBCP			Method: SW8011				Analyst: JH		
DBCP	ND	0.00758	0.0199	0.200		µg/L	06/22/17 11:09AM	06/22/17 3:46PM	PA/VA
EDB	ND	0.00389	0.0199	0.050		µg/L	06/22/17 11:09AM	06/22/17 3:46PM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260			Method: SW8260B				Analyst: JM		
Acetone	ND	5.00	10.0	NA		µg/L	06/22/17 5:43PM	PA/VA	
Acrolein	ND	5.00	10.0	NA		µg/L	06/22/17 5:43PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA		µg/L	06/22/17 5:43PM	PA/VA	
Benzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Bromoform	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
2-Butanone	ND	5.00	10.0	NA		µg/L	06/22/17 5:43PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA		µg/L	06/22/17 5:43PM		
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Chloroform	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	06/22/17 5:43PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17062906

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 12:55:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062906-01A	Matrix:	Liquid
Client Sample ID:	DW06B	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	06/22/17 5:43PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	06/22/17 5:43PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	06/22/17 5:43PM	PA/VA	
Methyl tert-butyl ether	ND	1.00	5.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	06/22/17 5:43PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	06/22/17 5:43PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	100	NA	75.9-132	NA	%Rec	06/22/17 5:43PM		
Surr: 4-Bromofluorobenzene	108	NA	73.6-132	NA	%Rec	06/22/17 5:43PM		
Surr: Dibromofluoromethane	104	NA	80.1-127	NA	%Rec	06/22/17 5:43PM		
Surr: Toluene-d8	97.8	NA	72.4-119	NA	%Rec	06/22/17 5:43PM		

REI Consultants, Inc. - Analytical Report

WO#: 17062906

Date Reported: 6/23/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/20/2017 12:55:00 PM
Project:	CHAMBLISSBURG SUPPLY	Date Received:	6/21/2017
Lab ID:	17062906-01A	Matrix:	Liquid
Client Sample ID:	DW06B	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	06/22/17	5:43PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	5:43PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	5:43PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L	06/22/17	5:43PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	06/22/17	5:43PM		
Ethanol	ND	100	200	NA	µg/L	06/22/17	5:43PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L	06/22/17	5:43PM		
Surr: 1,2-Dichloroethane-d4	99.1	NA	70-130	NA	%Rec	06/22/17	5:43PM		
Surr: 4-Bromofluorobenzene	88.8	NA	70-130	NA	%Rec	06/22/17	5:43PM		
Surr: Dibromofluoromethane	102	NA	70-130	NA	%Rec	06/22/17	5:43PM		
Surr: Toluene-d8	99.4	NA	70-130	NA	%Rec	06/22/17	5:43PM		



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REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304)255-2500
Website: www.reiclabs.com

Sample Receipt Checklist

Client Name: GRE096 Work Order Number: 17062906
RCPNo: 1 Date and Time Received: 6/21/2017 6:45:00 PM Received by: Brandon Knight
Completed By: Doug Arthur Reviewed By:
Completed Date: 6/22/2017 10:00:05 AM Reviewed Date:

Carrier Name: REIC

- 1. Chain of custody present? Yes [x] No []
2. Chain of custody signed when relinquished and received? Yes [x] No []
3. Are matrices correctly identified on Chain of custody? Yes [x] No []
4. Is it clear what analyses were requested? Yes [x] No []
5. Custody seals intact? Yes [] No [] Not Present [x]
6. Samples in proper container type and preservative? Yes [x] No []
7. Were correct preservatives noted on COC? Yes [x] No [] NA []
8. Sample containers intact? Yes [x] No []
9. Sufficient sample volume for indicated test? Yes [x] No []
10. Were container labels complete? Yes [x] No []
11. All samples received within holding time? Yes [x] No []
12. Was an attempt made to cool the samples? Yes [x] No [] NA []
13. Sample Temp. taken and recorded upon receipt? Yes [x] No [] To 3.2 °C
14. Water - Were bubbles absent in VOC vials? Yes [x] No [] No Vials []
15. Are Samples considered acceptable? Yes [x] No []
16. COC filled out properly? Yes [x] No []

Client Notification/Response

Client Name: GRE096 Work Order Number: 17062906
Comment:
Client Contacted: Yes [] No [] NA [x] Person Contacted:
Contact Mode: Phone [] Fax: [] Email: [] In Person: []
Date Contacted: Contacted By:
Regarding:
Client Instructions:
Corrective Action:

CHAIN OF CUSTODY RECORD

17062906

GREENE ENVIRONMENTAL SERVICES, LLC
GRE096

Billy Shirley



RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

MAIN LABORATORY & CORPORATE HEADQUARTERS:

P.O. Box 286 • 225 Industrial Park Rd, Beaver, WV 25813
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Roanoke, VA 24019
540-777-1276

MORGANTOWN Service Center
16 Commerce Drive
Westover, WV 26501
304-241-5861

v10-0114

REIC use ONLY

CLIENT ID _____ DATE _____ SHEET _____

Client: Greene Environmental Services

PO # CSVI1001

Contact Person Trev Greene

Phone (540) 483-3311

Address 129 Bunny Ridge Lane

City Rocky Mount

State VA

Zip 24151

Billing Address (if different)

570 Redbud Hill Road

City Rocky Mount

State VA

Zip 24151

Site ID & State Virginia

Project ID Chamblissburg Supply

Sampler CH

SAMPLE LOG & ANALYSIS REQUEST

TURNAROUND TIME



NORMAL

RUSH TURNAROUND*



5 DAY



3 DAY



2 DAY



1 DAY

*Rush work needs prior laboratory approval and will incur additional charges

ANALYSIS & METHOD REQUESTED

8260 Oxygenates plus Ethanol (see comments for specifics*)

Also for the above- 1ppb for Benzene and MTBE

8011 EDB and DBCP

SAMPLE ID	No. & Type of Containers	Sampling Date/Time	Matrix	Sample Comp/Grab	1	10	100	1000	10000	100000	1000000
					10	0	0	0	0	0	
* DW05A	5 voa	06/20/17 1215	Water	Grab	X	X					
DW06A	5 voa	06/20/17 1300	Water	Grab	X	X					
DW06B	5 voa	06/20/17 1255	Water	Grab	X	X					
DW11A	5 voa	06/20/17 1520	Water	Grab	X	X					
DW12A	5 voa	06/20/17 1555	Water	Grab	X	X					
DW09A	5 voa	06/20/17 1620	Water	Grab	X	X					
			Choose	Choose							
			Choose	Choose							
			Choose	Choose							

ENTER PRESERVATIVE CODE(S):

- 0. None
- 1. Hydrochloric Acid
- 2. Nitric Acid
- 3. Sulfuric Acid
- 4. Sodium Thiosulfate
- 5. Sodium Hydroxide/ Sodium Arsenite
- 6. Sodium Hydroxide
- 7. Ascorbic Acid
- 8. Sodium Bisulfate/Methanol
- 9. Ammonium Chloride
- 10. ICE
- 11. _____

*(Use blanks for preservatives not listed.)

COMMENTS: REIC Courier & NO Custody Seals
Page 1 of 1
Note: no rush on DW06B * SEPARATE JOB
Rush all others.
-1ppb for Benzene and MTBE
-Include Oxygenates: ethanol, TAA, TAEE, TAME, TBA, ETBE, DIPE

All analytical requests are subject to REIC's Standard Terms and Conditions

Temperature at arrival: 3.2 °C

ICED? Y N

Containers provided by: [] REIC [x] Client

<p>Received by (Signature) <u>[Signature]</u> Date/Time <u>6-21-17 14:00</u></p>	<p>Received by (Signature) <u>[Signature]</u> Date/Time <u>6-21-17 15:32</u></p>	<p>Received by (Signature) <u>[Signature]</u> Date/Time <u>6-21-17 16:30</u></p>
--	--	--



REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304) 255-2500
Website: www.reiclabs.com

Improving the environment, one client at a time...

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1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.248.0183

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Thursday, July 06, 2017

Mr. Trev Greene
GREENE ENVIRONMENTAL SERVICES, LLC
570 REDBUD HILL ROAD
ROCKY MOUNT, VA 24151

TEL: (540) 483-3311
FAX:

RE: CHAMBLISSBURG SUPPLY-CSVI

Work Order #: 17063941

Dear Mr. Trev Greene:

REI Consultants, Inc. received 4 sample(s) on 6/29/2017 for the analyses presented in the following report.

Sincerely,

Billy Shirley
Project Manager
(304) 250-6214



Client: GREENE ENVIRONMENTAL SERVICES, LLC
Project: CHAMBLISSBURG SUPPLY-CSVI

The analytical results presented in this report were produced using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Verification of required sample preservation (as required) is recorded on associated laboratory logs. Any deviation from compliance or method modification is identified within the body of this report by a qualifier footnote which is defined at the bottom of this page.

All sample results for solid samples are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as TTHM and HAA5, may vary slightly from the sum of the individual parameter results, due to rounding of individual results, as required by EPA.

The test results in this report meet all NELAP and/or VELAP requirements for parameters clearly designated as PA, VA, PA/VA, or VELAP in the column labeled NELAP.

Please note if the sample collection time is not provided on the Chain of Custody, the default recording will be 0:00:00. This may cause some tests to be apparently analyzed out of hold.

All tests performed by REIC Service Centers are designated by an annotation on the test code. All other tests were performed by REIC's Main Laboratory in Beaver, WV.

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DEFINITIONS:

MCL: Maximum Contaminant Level

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (weight/weight) or milligram per Liter (weight/volume).

NA: Not Applicable

ND: Not Detected at the PQL or MDL

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported.

TIC: Tentatively Identified Compound, Estimated Concentration denoted by "J" qualifier.

Ug/Kg or ug/L: Units of part per billion (PPB) - microgram per kilogram (weight/weight) or microgram per liter (weight/volume).

QUALIFIERS:

X: Reported value exceeds required MCL

B: Analyte detected in the associated Method Blank at a concentration > 1/2 the PQL

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H: Holding time for preparation or analysis has been exceeded.

J: Analyte concentration is reported, and is less than the PQL and greater than or equal to the MDL. The result reported is an estimate.

S: % REC (% recovery) exceeds control limits

CERTIFICATIONS:

Beaver, WV: WVDHHR 00412CM, WVDEP 060, VADCLS 00281, KYDEP 90039, NCDWQ 466, PADEP 68-00839, VADCLS(VELAP) 460148

Bioassay (Beaver, WV): WVDEP 060, VADCLS(VELAP) 460148, PADEP 68-00839

Roanoke, VA: VADCLS(VELAP) 460150

Verona, VA: VADCLS(VELAP) 460151

Morgantown, WV: WVDHHR 003112M, WVDEP 387

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 7:30:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-01A	Matrix:	Groundwater
Client Sample ID:	DW19A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP

Method: SW8011

Analyst: JH

DBCP	ND	0.00769	0.0202	0.200		µg/L	07/05/17 7:24AM	07/05/17 10:39AM	PA/VA
EDB	ND	0.00395	0.0202	0.050		µg/L	07/05/17 7:24AM	07/05/17 10:39AM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260

Method: SW8260B

Analyst: JM

Acetone	ND	5.00	10.0	NA		µg/L	07/03/17 4:05PM	PA/VA
Acrolein	ND	5.00	10.0	NA		µg/L	07/03/17 4:05PM	PA/VA
Acrylonitrile	ND	5.00	10.0	NA		µg/L	07/03/17 4:05PM	PA/VA
Benzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Bromobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Bromochloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Bromoform	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Bromomethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
2-Butanone	ND	5.00	10.0	NA		µg/L	07/03/17 4:05PM	PA/VA
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Carbon disulfide	ND	2.50	5.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Chlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Chloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Chloroform	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Chloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Dibromomethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 7:30:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-01A	Matrix:	Groundwater
Client Sample ID:	DW19A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA		µg/L	07/03/17 4:05PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA		µg/L	07/03/17 4:05PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA		µg/L	07/03/17 4:05PM	PA/VA	
Methyl tert-butyl ether	ND	1.00	5.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Styrene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Toluene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA		µg/L	07/03/17 4:05PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA		µg/L	07/03/17 4:05PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	105	NA	75.9-132	NA		%Rec	07/03/17 4:05PM		
Surr: 4-Bromofluorobenzene	107	NA	73.6-132	NA		%Rec	07/03/17 4:05PM		
Surr: Dibromofluoromethane	101	NA	80.1-127	NA		%Rec	07/03/17 4:05PM		
Surr: Toluene-d8	97.6	NA	72.4-119	NA		%Rec	07/03/17 4:05PM		

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Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 7:30:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-01A	Matrix:	Groundwater
Client Sample ID:	DW19A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	07/03/17	4:05PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	4:05PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	4:05PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L	07/03/17	4:05PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	4:05PM		
Ethanol	ND	100	200	NA	µg/L	07/03/17	4:05PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L	07/03/17	4:05PM		
Surr: 1,2-Dichloroethane-d4	104	NA	70-130	NA	%Rec	07/03/17	4:05PM		
Surr: 4-Bromofluorobenzene	101	NA	70-130	NA	%Rec	07/03/17	4:05PM		
Surr: Dibromofluoromethane	103	NA	70-130	NA	%Rec	07/03/17	4:05PM		
Surr: Toluene-d8	96.8	NA	70-130	NA	%Rec	07/03/17	4:05PM		

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 1:00:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-02A	Matrix:	Groundwater
Client Sample ID:	DW31A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP

Method: SW8011

Analyst: JH

DBCP	ND	0.00730	0.0192	0.200		µg/L	07/05/17 7:24AM	07/05/17 10:55AM	PA/VA
EDB	ND	0.00375	0.0192	0.050		µg/L	07/05/17 7:24AM	07/05/17 10:55AM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260

Method: SW8260B

Analyst: JM

Acetone	ND	5.00	10.0	NA		µg/L	07/03/17 4:39PM	PA/VA
Acrolein	ND	5.00	10.0	NA		µg/L	07/03/17 4:39PM	PA/VA
Acrylonitrile	ND	5.00	10.0	NA		µg/L	07/03/17 4:39PM	PA/VA
Benzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Bromobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Bromochloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Bromoform	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Bromomethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
2-Butanone	ND	5.00	10.0	NA		µg/L	07/03/17 4:39PM	PA/VA
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Carbon disulfide	ND	2.50	5.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Chlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Chloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Chloroform	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Chloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Dibromomethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 4:39PM	PA/VA

REI Consultants, Inc. - Analytical Report

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Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 1:00:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-02A	Matrix:	Groundwater
Client Sample ID:	DW31A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	07/03/17 4:39PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA	µg/L	07/03/17 4:39PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	07/03/17 4:39PM	PA/VA	
Methyl tert-butyl ether	ND	1.00	5.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Styrene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Toluene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	07/03/17 4:39PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	07/03/17 4:39PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	105	NA	75.9-132	NA	%Rec	07/03/17 4:39PM		
Surr: 4-Bromofluorobenzene	101	NA	73.6-132	NA	%Rec	07/03/17 4:39PM		
Surr: Dibromofluoromethane	97.2	NA	80.1-127	NA	%Rec	07/03/17 4:39PM		
Surr: Toluene-d8	99.0	NA	72.4-119	NA	%Rec	07/03/17 4:39PM		

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 1:00:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-02A	Matrix:	Groundwater
Client Sample ID:	DW31A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	07/03/17	4:39PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	4:39PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	4:39PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L	07/03/17	4:39PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	4:39PM		
Ethanol	ND	100	200	NA	µg/L	07/03/17	4:39PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L	07/03/17	4:39PM		
Surr: 1,2-Dichloroethane-d4	103	NA	70-130	NA	%Rec	07/03/17	4:39PM		
Surr: 4-Bromofluorobenzene	95.9	NA	70-130	NA	%Rec	07/03/17	4:39PM		
Surr: Dibromofluoromethane	99.2	NA	70-130	NA	%Rec	07/03/17	4:39PM		
Surr: Toluene-d8	98.1	NA	70-130	NA	%Rec	07/03/17	4:39PM		

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 10:40:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-03A	Matrix:	Groundwater
Client Sample ID:	DW32A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP		Method: SW8011				Analyst: JH			
DBCP	ND	0.00748	0.0197	0.200		µg/L	07/05/17 7:24AM	07/05/17 11:11AM	PA/VA
EDB	ND	0.00384	0.0197	0.050		µg/L	07/05/17 7:24AM	07/05/17 11:11AM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260		Method: SW8260B				Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	07/03/17 5:12PM	PA/VA	
Acrolein	ND	5.00	10.0	NA		µg/L	07/03/17 5:12PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA		µg/L	07/03/17 5:12PM	PA/VA	
Benzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Bromoform	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
2-Butanone	ND	5.00	10.0	NA		µg/L	07/03/17 5:12PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Chloroform	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 5:12PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 10:40:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-03A	Matrix:	Groundwater
Client Sample ID:	DW32A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
2,2-Dichloropropane	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,1-Dichloropropene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Ethylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Hexachlorobutadiene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
2-Hexanone	ND	5.00	10.0	NA	µg/L	07/03/17 5:12PM	PAVA	
Iodomethane	ND	5.00	10.0	NA	µg/L	07/03/17 5:12PM	PAVA	
Isopropylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
4-Isopropyltoluene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Methylene chloride	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA	µg/L	07/03/17 5:12PM	PAVA	
Methyl tert-butyl ether	ND	1.00	5.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Naphthalene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
n-Propylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Styrene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Tetrachloroethene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Toluene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Trichloroethene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Trichlorofluoromethane	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Vinyl acetate	ND	5.00	10.0	NA	µg/L	07/03/17 5:12PM	PAVA	
Vinyl chloride	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
o-Xylene	ND	0.500	1.00	NA	µg/L	07/03/17 5:12PM	PAVA	
m,p-Xylene	ND	1.00	2.00	NA	µg/L	07/03/17 5:12PM	PAVA	
Surr: 1,2-Dichloroethane-d4	104	NA	75.9-132	NA	%Rec	07/03/17 5:12PM		
Surr: 4-Bromofluorobenzene	107	NA	73.6-132	NA	%Rec	07/03/17 5:12PM		
Surr: Dibromofluoromethane	97.2	NA	80.1-127	NA	%Rec	07/03/17 5:12PM		
Surr: Toluene-d8	98.0	NA	72.4-119	NA	%Rec	07/03/17 5:12PM		

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 10:40:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-03A	Matrix:	Groundwater
Client Sample ID:	DW32A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	07/03/17	5:12PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	5:12PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	5:12PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L	07/03/17	5:12PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	5:12PM		
Ethanol	ND	100	200	NA	µg/L	07/03/17	5:12PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L	07/03/17	5:12PM		
Surr: 1,2-Dichloroethane-d4	103	NA	70-130	NA	%Rec	07/03/17	5:12PM		
Surr: 4-Bromofluorobenzene	96.6	NA	70-130	NA	%Rec	07/03/17	5:12PM		
Surr: Dibromofluoromethane	100	NA	70-130	NA	%Rec	07/03/17	5:12PM		
Surr: Toluene-d8	97.1	NA	70-130	NA	%Rec	07/03/17	5:12PM		

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 8:40:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-04A	Matrix:	Groundwater
Client Sample ID:	DW33A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP

Method: SW8011

Analyst: JH

DBCP	ND	0.00731	0.0192	0.200		µg/L	07/05/17 7:24AM	07/05/17 11:27AM	PA/VA
EDB	ND	0.00375	0.0192	0.050		µg/L	07/05/17 7:24AM	07/05/17 11:27AM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260

Method: SW8260B

Analyst: JM

Acetone	ND	5.00	10.0	NA		µg/L	07/03/17 5:45PM	PA/VA
Acrolein	ND	5.00	10.0	NA		µg/L	07/03/17 5:45PM	PA/VA
Acrylonitrile	ND	5.00	10.0	NA		µg/L	07/03/17 5:45PM	PA/VA
Benzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Bromobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Bromochloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Bromoform	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Bromomethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
2-Butanone	ND	5.00	10.0	NA		µg/L	07/03/17 5:45PM	PA/VA
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Carbon disulfide	ND	2.50	5.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Chlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Chloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Chloroform	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Chloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Dibromomethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 8:40:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-04A	Matrix:	Groundwater
Client Sample ID:	DW33A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA		µg/L	07/03/17 5:45PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA		µg/L	07/03/17 5:45PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
4-Isopropyltoluene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA		µg/L	07/03/17 5:45PM	PA/VA	
Methyl tert-butyl ether	ND	1.00	5.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Naphthalene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Styrene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Toluene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA		µg/L	07/03/17 5:45PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA		µg/L	07/03/17 5:45PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	104	NA	75.9-132	NA		%Rec	07/03/17 5:45PM		
Surr: 4-Bromofluorobenzene	97.1	NA	73.6-132	NA		%Rec	07/03/17 5:45PM		
Surr: Dibromofluoromethane	99.6	NA	80.1-127	NA		%Rec	07/03/17 5:45PM		
Surr: Toluene-d8	95.1	NA	72.4-119	NA		%Rec	07/03/17 5:45PM		

REI Consultants, Inc. - Analytical Report

WO#: 17063941

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/28/2017 8:40:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	6/29/2017
Lab ID:	17063941-04A	Matrix:	Groundwater
Client Sample ID:	DW33A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC	
VOLATILE ORGANIC COMPOUNDS- ADDITIONAL		Method: SW8260B				Analyst: JM			
tert-Amyl alcohol	ND	0.500	1.00	NA	µg/L	07/03/17	5:45PM		
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	5:45PM		
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	5:45PM		
tert-Butyl alcohol	ND	100	200	NA	µg/L	07/03/17	5:45PM	PA/VA	
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/03/17	5:45PM		
Ethanol	ND	100	200	NA	µg/L	07/03/17	5:45PM	PA/VA	
Isopropyl ether	ND	2.50	5.00	NA	µg/L	07/03/17	5:45PM		
Surr: 1,2-Dichloroethane-d4	103	NA	70-130	NA	%Rec	07/03/17	5:45PM		
Surr: 4-Bromofluorobenzene	94.5	NA	70-130	NA	%Rec	07/03/17	5:45PM		
Surr: Dibromofluoromethane	101	NA	70-130	NA	%Rec	07/03/17	5:45PM		
Surr: Toluene-d8	94.6	NA	70-130	NA	%Rec	07/03/17	5:45PM		



Improving the environment, one client at a time...

REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304)255-2500
Website: www.reiclabs.com

Sample Receipt Checklist

Client Name: GRE096 Work Order Number: 17063941
RCPNo: 1 Date and Time Received: 6/29/2017 8:22:00 PM Received by: Randy Rose
Completed By: Candace Meadows Reviewed By: Billy Shirley
Completed Date: 6/30/2017 10:04:58 AM Reviewed Date: 6/30/2017 11:01 AM

Carrier Name: REIC

- 1. Chain of custody present? Yes [x] No []
2. Chain of custody signed when relinquished and received? Yes [x] No []
3. Are matrices correctly identified on Chain of custody? Yes [x] No []
4. Is it clear what analyses were requested? Yes [x] No []
5. Custody seals intact? Yes [] No [] Not Present [x]
6. Samples in proper container type and preservative? Yes [x] No []
7. Were correct preservatives noted on COC? Yes [x] No [] NA []
8. Sample containers intact? Yes [x] No []
9. Sufficient sample volume for indicated test? Yes [x] No []
10. Were container labels complete? Yes [x] No []
11. All samples received within holding time? Yes [x] No []
12. Was an attempt made to cool the samples? Yes [x] No [] NA []
13. Sample Temp. taken and recorded upon receipt? Yes [x] No [] To 2.7 °C
14. Water - Were bubbles absent in VOC vials? Yes [x] No [] No Vials []
15. Are Samples considered acceptable? Yes [x] No []
16. COC filled out properly? Yes [x] No []

Client Notification/Response

Client Name: GRE096 Work Order Number: 17063941
Comment:
Client Contacted: Yes [] No [] NA [x] Person Contacted:
Contact Mode: Phone [] Fax: [] Email: [] In Person: []
Date Contacted: Contacted By:
Regarding:
Client Instructions:
Corrective Action:



REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304) 255-2500
Website: www.reiclabs.com

Improving the environment, one client at a time...

3029-C Peters Creek Road
Roanoke, VA 24019
TEL: 540.777.1276

1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.248.0183

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Thursday, July 06, 2017

Mr. Trev Greene
GREENE ENVIRONMENTAL SERVICES, LLC
570 REDBUD HILL ROAD
ROCKY MOUNT, VA 24151

TEL: (540) 483-3311

FAX:

RE: CHAMBLISSBURG SUPPLY-CSVI

Work Order #: 17070184

Dear Mr. Trev Greene:

REI Consultants, Inc. received 2 sample(s) on 7/3/2017 for the analyses presented in the following report.

Sincerely,

Billy Shirley
Project Manager
(304) 250-6214



Client: GREENE ENVIRONMENTAL SERVICES, LLC
Project: CHAMBLISSBURG SUPPLY-CSVI

The analytical results presented in this report were produced using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Verification of required sample preservation (as required) is recorded on associated laboratory logs. Any deviation from compliance or method modification is identified within the body of this report by a qualifier footnote which is defined at the bottom of this page.

All sample results for solid samples are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as TTHM and HAA5, may vary slightly from the sum of the individual parameter results, due to rounding of individual results, as required by EPA.

The test results in this report meet all NELAP and/or VELAP requirements for parameters clearly designated as PA, VA, PA/VA, or VELAP in the column labeled NELAP.

Please note if the sample collection time is not provided on the Chain of Custody, the default recording will be 0:00:00. This may cause some tests to be apparently analyzed out of hold.

All tests performed by REIC Service Centers are designated by an annotation on the test code. All other tests were performed by REIC's Main Laboratory in Beaver, WV.

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DEFINITIONS:

MCL: Maximum Contaminant Level

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (weight/weight) or milligram per Liter (weight/volume).

NA: Not Applicable

ND: Not Detected at the PQL or MDL

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported.

TIC: Tentatively Identified Compound, Estimated Concentration denoted by "J" qualifier.

Ug/Kg or ug/L: Units of part per billion (PPB) - microgram per kilogram (weight/weight) or microgram per liter (weight/volume).

QUALIFIERS:

X: Reported value exceeds required MCL

B: Analyte detected in the associated Method Blank at a concentration > 1/2 the PQL

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H: Holding time for preparation or analysis has been exceeded.

J: Analyte concentration is reported, and is less than the PQL and greater than or equal to the MDL. The result reported is an estimate.

S: % REC (% recovery) exceeds control limits

CERTIFICATIONS:

Beaver, WV: WVDHHR 00412CM, WVDEP 060, VADCLS 00281, KYDEP 90039, NCDWQ 466, PADEP 68-00839, VADCLS(VELAP) 460148

Bioassay (Beaver, WV): WVDEP 060, VADCLS(VELAP) 460148, PADEP 68-00839

Roanoke, VA: VADCLS(VELAP) 460150

Verona, VA: VADCLS(VELAP) 460151

Morgantown, WV: WVDHHR 003112M, WVDEP 387

REI Consultants, Inc. - Analytical Report

WO#: 17070184

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	7/3/2017 8:25:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070184-01A	Matrix:	Groundwater
Client Sample ID:	DW08A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP		Method: SW8011				Analyst: JH			
DBCP	ND	0.00736	0.0194	0.200		µg/L	07/05/17 7:24AM	07/05/17 12:48PM	PA/VA
EDB	ND	0.00378	0.0194	0.050		µg/L	07/05/17 7:24AM	07/05/17 12:48PM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260		Method: SW8260B				Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	07/05/17 1:33PM	PA/VA	
Acrolein	ND	5.00	10.0	NA		µg/L	07/05/17 1:33PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA		µg/L	07/05/17 1:33PM	PA/VA	
Benzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Bromoform	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
MEK	ND	5.00	10.0	NA		µg/L	07/05/17 1:33PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Chloroform	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
DBCP	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17070184

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	7/3/2017 8:25:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070184-01A	Matrix:	Groundwater
Client Sample ID:	DW08A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA		µg/L	07/05/17 1:33PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA		µg/L	07/05/17 1:33PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
p-Isopropyltoluene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA		µg/L	07/05/17 1:33PM	PA/VA	
MTBE	ND	1.00	5.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Styrene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Toluene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA		µg/L	07/05/17 1:33PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA		µg/L	07/05/17 1:33PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	102	NA	75.9-132	NA		%Rec	07/05/17 1:33PM		
Surr: 4-Bromofluorobenzene	103	NA	73.6-132	NA		%Rec	07/05/17 1:33PM		
Surr: Dibromofluoromethane	99.6	NA	80.1-127	NA		%Rec	07/05/17 1:33PM		
Surr: Toluene-d8	96.4	NA	72.4-119	NA		%Rec	07/05/17 1:33PM		

**VOLATILE ORGANIC COMPOUNDS-
ADDITIONAL**

Method: SW8260B

Analyst: JM

tert-Amyl alcohol	ND	0.500	1.00	NA		µg/L	07/05/17 1:33PM		
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REI Consultants, Inc. - Analytical Report

WO#: 17070184

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	7/3/2017 8:25:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070184-01A	Matrix:	Groundwater
Client Sample ID:	DW08A	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/05/17	1:33PM	
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	07/05/17	1:33PM	
tert-Butyl alcohol	ND	50.0	100	NA	µg/L	07/05/17	1:33PM	PA/VA
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/05/17	1:33PM	
Ethanol	ND	100	200	NA	µg/L	07/05/17	1:33PM	PA/VA
Isopropyl ether	ND	2.50	5.00	NA	µg/L	07/05/17	1:33PM	
Surr: 1,2-Dichloroethane-d4	101	NA	70-130	NA	%Rec	07/05/17	1:33PM	
Surr: 4-Bromofluorobenzene	101	NA	70-130	NA	%Rec	07/05/17	1:33PM	
Surr: Dibromofluoromethane	101	NA	70-130	NA	%Rec	07/05/17	1:33PM	
Surr: Toluene-d8	95.6	NA	70-130	NA	%Rec	07/05/17	1:33PM	

REI Consultants, Inc. - Analytical Report

WO#: 17070184

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	7/3/2017 8:50:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070184-02A	Matrix:	Groundwater
Client Sample ID:	DW08B	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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EDB AND/OR DBCP		Method: SW8011				Analyst: JH			
DBCP	ND	0.00753	0.0198	0.200		µg/L	07/05/17 7:24AM	07/05/17 1:04PM	PA/VA
EDB	ND	0.00386	0.0198	0.050		µg/L	07/05/17 7:24AM	07/05/17 1:04PM	PA/VA

VOLATILE ORGANIC COMPOUNDS-8260		Method: SW8260B				Analyst: JM			
Acetone	ND	5.00	10.0	NA		µg/L	07/05/17 2:06PM	PA/VA	
Acrolein	ND	5.00	10.0	NA		µg/L	07/05/17 2:06PM	PA/VA	
Acrylonitrile	ND	5.00	10.0	NA		µg/L	07/05/17 2:06PM	PA/VA	
Benzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Bromobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Bromochloromethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Bromodichloromethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Bromoform	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Bromomethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
MEK	ND	5.00	10.0	NA		µg/L	07/05/17 2:06PM	PA/VA	
n-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
sec-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
tert-Butylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Carbon disulfide	ND	2.50	5.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Carbon tetrachloride	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Chlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Chloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Chloroform	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Chloromethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
2-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
4-Chlorotoluene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Dibromochloromethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
DBCP	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,2-Dibromoethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Dibromomethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,2-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,3-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,4-Dichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Dichlorodifluoromethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,1-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,2-Dichloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,1-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
cis-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
trans-1,2-Dichloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	

REI Consultants, Inc. - Analytical Report

WO#: 17070184

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	7/3/2017 8:50:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070184-02A	Matrix:	Groundwater
Client Sample ID:	DW08B	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
1,3-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
2,2-Dichloropropane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,1-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
cis-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
trans-1,3-Dichloropropene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Ethylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Hexachlorobutadiene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
2-Hexanone	ND	5.00	10.0	NA		µg/L	07/05/17 2:06PM	PA/VA	
Iodomethane	ND	5.00	10.0	NA		µg/L	07/05/17 2:06PM	PA/VA	
Isopropylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
p-Isopropyltoluene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Methylene chloride	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
4-Methyl-2-pentanone	ND	5.00	10.0	NA		µg/L	07/05/17 2:06PM	PA/VA	
MTBE	ND	1.00	5.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
n-Propylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Styrene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,1,1,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,1,2,2-Tetrachloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Tetrachloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Toluene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,2,3-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,2,4-Trichlorobenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,1,1-Trichloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,1,2-Trichloroethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Trichloroethene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Trichlorofluoromethane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,2,3-Trichloropropane	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,2,4-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
1,3,5-Trimethylbenzene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Vinyl acetate	ND	5.00	10.0	NA		µg/L	07/05/17 2:06PM	PA/VA	
Vinyl chloride	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
o-Xylene	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
m,p-Xylene	ND	1.00	2.00	NA		µg/L	07/05/17 2:06PM	PA/VA	
Surr: 1,2-Dichloroethane-d4	108	NA	75.9-132	NA		%Rec	07/05/17 2:06PM		
Surr: 4-Bromofluorobenzene	106	NA	73.6-132	NA		%Rec	07/05/17 2:06PM		
Surr: Dibromofluoromethane	99.9	NA	80.1-127	NA		%Rec	07/05/17 2:06PM		
Surr: Toluene-d8	96.0	NA	72.4-119	NA		%Rec	07/05/17 2:06PM		

**VOLATILE ORGANIC COMPOUNDS-
ADDITIONAL**

Method: SW8260B

Analyst: JM

tert-Amyl alcohol	ND	0.500	1.00	NA		µg/L	07/05/17 2:06PM		
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REI Consultants, Inc. - Analytical Report

WO#: 17070184

Date Reported: 7/6/2017
Original

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	7/3/2017 8:50:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070184-02A	Matrix:	Groundwater
Client Sample ID:	DW08B	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
tert-Amyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/05/17	2:06PM	
tert-Amyl Methyl Ether	ND	0.500	1.00	NA	µg/L	07/05/17	2:06PM	
tert-Butyl alcohol	ND	50.0	100	NA	µg/L	07/05/17	2:06PM	PA/VA
tert-Butyl Ethyl Ether	ND	0.500	1.00	NA	µg/L	07/05/17	2:06PM	
Ethanol	ND	100	200	NA	µg/L	07/05/17	2:06PM	PA/VA
Isopropyl ether	ND	2.50	5.00	NA	µg/L	07/05/17	2:06PM	
Surr: 1,2-Dichloroethane-d4	107	NA	70-130	NA	%Rec	07/05/17	2:06PM	
Surr: 4-Bromofluorobenzene	96.2	NA	70-130	NA	%Rec	07/05/17	2:06PM	
Surr: Dibromofluoromethane	103	NA	70-130	NA	%Rec	07/05/17	2:06PM	
Surr: Toluene-d8	95.1	NA	70-130	NA	%Rec	07/05/17	2:06PM	



Improving the environment, one client at a time...

REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304)255-2500
Website: www.reiclabs.com

Sample Receipt Checklist

Client Name: GRE096 Work Order Number: 17070184
RCPNo: 1 Date and Time Received: 7/3/2017 8:18:00 PM Received by: Justin Harrah
Completed By: Traves Meadows Reviewed By: Billy Shirley
Completed Date: 7/4/2017 10:17:00 AM Reviewed Date: 7/5/2017 9:14 AM

Carrier Name: REIC

- 1. Chain of custody present? Yes [x] No []
2. Chain of custody signed when relinquished and received? Yes [] No [x]
3. Are matrices correctly identified on Chain of custody? Yes [x] No []
4. Is it clear what analyses were requested? Yes [x] No []
5. Custody seals intact? Yes [] No [] Not Present [x]
6. Samples in proper container type and preservative? Yes [x] No []
7. Were correct preservatives noted on COC? Yes [x] No [] NA []
8. Sample containers intact? Yes [x] No []
9. Sufficient sample volume for indicated test? Yes [x] No []
10. Were container labels complete? Yes [x] No []
11. All samples received within holding time? Yes [x] No []
12. Was an attempt made to cool the samples? Yes [x] No [] NA []
13. Sample Temp. taken and recorded upon receipt? Yes [x] No [] To 3.8 °C
14. Water - Were bubbles absent in VOC vials? Yes [x] No [] No Vials []
15. Are Samples considered acceptable? Yes [x] No []
16. COC filled out properly? Yes [] No [x]

Client Notification/Response

Client Name: GRE096 Work Order Number: 17070184
Comment: COC NOT RELINQUISHED
Client Contacted: Yes [] No [] NA [x] Person Contacted:
Contact Mode: Phone [] Fax: [] Email: [] In Person: []
Date Contacted: Contacted By:
Regarding:
Client Instructions:
Corrective Action:



REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304) 255-2500
Website: www.reiclabs.com

Improving the environment, one client at a time...

3029-C Peters Creek Road
Roanoke, VA 24019
TEL: 540.777.1276

1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.248.0183

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Wednesday, August 02, 2017

Mr. Trev Greene
GREENE ENVIRONMENTAL SERVICES, LLC
570 REDBUD HILL ROAD
ROCKY MOUNT, VA 24151

TEL: (540) 483-3311

FAX:

RE: CHAMBLISSBURG SUPPLY-CSVI

Work Order #: 17070185

Dear Mr. Trev Greene:

REI Consultants, Inc. received 15 sample(s) on 7/3/2017 for the analyses presented in the following report.

Sincerely,

Billy Shirley
Project Manager
(304) 250-6214



Client: GREENE ENVIRONMENTAL SERVICES, LLC

Project: CHAMBLISSBURG SUPPLY-CSVI

The analytical results presented in this report were produced using documented laboratory SOPs that incorporate appropriate quality control procedures as described in the applicable methods. Verification of required sample preservation (as required) is recorded on associated laboratory logs. Any deviation from compliance or method modification is identified within the body of this report by a qualifier footnote which is defined at the bottom of this page.

All sample results for solid samples are reported on an "as-received" wet weight basis unless otherwise noted.

Results reported for sums of individual parameters, such as TTHM and HAA5, may vary slightly from the sum of the individual parameter results, due to rounding of individual results, as required by EPA.

The test results in this report meet all NELAP and/or VELAP requirements for parameters clearly designated as PA, VA, PA/VA, or VELAP in the column labeled NELAP.

Please note if the sample collection time is not provided on the Chain of Custody, the default recording will be 0:00:00. This may cause some tests to be apparently analyzed out of hold.

All tests performed by REIC Service Centers are designated by an annotation on the test code. All other tests were performed by REIC's Main Laboratory in Beaver, WV.

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DEFINITIONS:

MCL: Maximum Contaminant Level

MDL: Method Detection Limit; The lowest concentration of analyte that can be detected by the method in the applicable matrix.

Mg/Kg or mg/L: Units of part per million (PPM) - milligram per Kilogram (weight/weight) or milligram per Liter (weight/volume).

NA: Not Applicable

ND: Not Detected at the PQL or MDL

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier.

Qual: Qualifier that applies to the analyte reported.

TIC: Tentatively Identified Compound, Estimated Concentration denoted by "J" qualifier.

Ug/Kg or ug/L: Units of part per billion (PPB) - microgram per kilogram (weight/weight) or microgram per liter (weight/volume).

QUALIFIERS:

X: Reported value exceeds required MCL

B: Analyte detected in the associated Method Blank at a concentration > 1/2 the PQL

E: Analyte concentration reported that exceeds the upper calibration standard. Greater uncertainty is associated with this result and data should be considered estimated.

H: Holding time for preparation or analysis has been exceeded.

J: Analyte concentration is reported, and is less than the PQL and greater than or equal to the MDL. The result reported is an estimate.

S: % REC (% recovery) exceeds control limits

CERTIFICATIONS:

Beaver, WV: WVDHHR 00412CM, WVDEP 060, VADCLS 00281, KYDEP 90039, NCDWQ 466, PADEP 68-00839, VADCLS(VELAP) 460148

Bioassay (Beaver, WV): WVDEP 060, VADCLS(VELAP) 460148, PADEP 68-00839

Roanoke, VA: VADCLS(VELAP) 460150

Verona, VA: VADCLS(VELAP) 460151

Morgantown, WV: WVDHHR 003112M, WVDEP 387

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 9:40:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-01A	Matrix:	Soil
Client Sample ID:	B01-1	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	1,970	7.95	15.9	NA	mg/Kg	07/10/17 3:30PM	07/11/17 6:29PM	
Surr: o-Terphenyl	82.8	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 6:29PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	13,200	250	500	NA	mg/Kg	07/05/17 6:35AM	07/07/17 1:25PM	PA/VA
Surr: 2,5-Dibromotoluene	94.4	NA	51.3-138	NA	%Rec	07/05/17 6:35AM	07/07/17 1:25PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	22.9	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 6:04PM	PA/VA
Ethylbenzene	244	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 6:04PM	PA/VA
Methyl tert-butyl ether	ND	25.0	50.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 6:04PM	PA/VA
Naphthalene	48.5	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 6:04PM	PA/VA
Toluene	458	50.0	100	NA	mg/Kg	07/05/17 6:35AM	07/13/17 10:00PM	PA/VA
Total Xylenes	1,180	150	300	NA	mg/Kg	07/05/17 6:35AM	07/13/17 10:00PM	
Surr: 1,2-Dichloroethane-d4	98.9	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/11/17 6:04PM	
Surr: 4-Bromofluorobenzene	108	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/11/17 6:04PM	
Surr: Dibromofluoromethane	96.0	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/11/17 6:04PM	
Surr: Toluene-d8	93.6	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/11/17 6:04PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017
Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 10:10:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-02A	Matrix:	Soil
Client Sample ID:	B01-7	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	390	8.01	16.0	NA		mg/Kg	07/10/17 3:30PM	07/11/17 7:00PM	
Surr: o-Terphenyl	82.6	NA	49.2-135	NA		%Rec	07/10/17 3:30PM	07/11/17 7:00PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	4,220	250	500	NA		mg/Kg	07/05/17 6:35AM	07/07/17 1:56PM	PA/VA
Surr: 2,5-Dibromotoluene	114	NA	51.3-138	NA		%Rec	07/05/17 6:35AM	07/07/17 1:56PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	7.80	5.00	10.0	NA	J	mg/Kg	07/05/17 6:35AM	07/11/17 6:37PM	PA/VA
Ethylbenzene	64.0	5.00	10.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 6:37PM	PA/VA
Methyl tert-butyl ether	ND	25.0	50.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 6:37PM	PA/VA
Naphthalene	64.0	5.00	10.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 6:37PM	PA/VA
Toluene	167	5.00	10.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 6:37PM	PA/VA
Total Xylenes	367	15.0	30.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 6:37PM	
Surr: 1,2-Dichloroethane-d4	100	NA	62.4-137	NA		%Rec	07/05/17 6:35AM	07/11/17 6:37PM	
Surr: 4-Bromofluorobenzene	111	NA	73.8-139	NA		%Rec	07/05/17 6:35AM	07/11/17 6:37PM	
Surr: Dibromofluoromethane	98.3	NA	69-143	NA		%Rec	07/05/17 6:35AM	07/11/17 6:37PM	
Surr: Toluene-d8	95.3	NA	71.2-133	NA		%Rec	07/05/17 6:35AM	07/11/17 6:37PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 10:37:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-03A	Matrix:	Soil
Client Sample ID:	B02-3	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	1,240	8.00	16.0	NA	mg/Kg	07/10/17 3:30PM	07/11/17 7:31PM	
Surr: o-Terphenyl	96.0	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 7:31PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	6,110	250	500	NA	mg/Kg	07/05/17 6:35AM	07/07/17 2:28PM	PA/VA
Surr: 2,5-Dibromotoluene	109	NA	51.3-138	NA	%Rec	07/05/17 6:35AM	07/07/17 2:28PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 7:09PM	PA/VA
Ethylbenzene	72.8	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 7:09PM	PA/VA
Methyl tert-butyl ether	ND	25.0	50.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 7:09PM	PA/VA
Naphthalene	57.4	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 7:09PM	PA/VA
Toluene	130	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 7:09PM	PA/VA
Total Xylenes	486	15.0	30.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 7:09PM	
Surr: 1,2-Dichloroethane-d4	98.6	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/11/17 7:09PM	
Surr: 4-Bromofluorobenzene	116	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/11/17 7:09PM	
Surr: Dibromofluoromethane	101	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/11/17 7:09PM	
Surr: Toluene-d8	94.2	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/11/17 7:09PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017
Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 10:50:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-04A	Matrix:	Soil
Client Sample ID:	B02-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	511	7.92	15.8	NA	mg/Kg	07/10/17 3:30PM	07/11/17 8:02PM	
Surr: o-Terphenyl	90.2	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 8:02PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	4,600	250	500	NA	mg/Kg	07/05/17 6:35AM	07/07/17 2:59PM	PA/VA
Surr: 2,5-Dibromotoluene	107	NA	51.3-138	NA	%Rec	07/05/17 6:35AM	07/07/17 2:59PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	7.20	5.00	10.0	NA	J	mg/Kg	07/05/17 6:35AM	07/11/17 7:42PM	PA/VA
Ethylbenzene	80.8	5.00	10.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 7:42PM	PA/VA
Methyl tert-butyl ether	ND	25.0	50.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 7:42PM	PA/VA
Naphthalene	50.6	5.00	10.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 7:42PM	PA/VA
Toluene	183	5.00	10.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 7:42PM	PA/VA
Total Xylenes	471	15.0	30.0	NA		mg/Kg	07/05/17 6:35AM	07/11/17 7:42PM	
Surr: 1,2-Dichloroethane-d4	96.6	NA	62.4-137	NA		%Rec	07/05/17 6:35AM	07/11/17 7:42PM	
Surr: 4-Bromofluorobenzene	110	NA	73.8-139	NA		%Rec	07/05/17 6:35AM	07/11/17 7:42PM	
Surr: Dibromofluoromethane	99.0	NA	69-143	NA		%Rec	07/05/17 6:35AM	07/11/17 7:42PM	
Surr: Toluene-d8	93.6	NA	71.2-133	NA		%Rec	07/05/17 6:35AM	07/11/17 7:42PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 11:30:00 AM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-05A	Matrix:	Soil
Client Sample ID:	B04-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	ND	3.97	7.95	NA	mg/Kg	07/10/17 3:30PM	07/11/17 8:33PM	
Surr: o-Terphenyl	78.6	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 8:33PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	ND	2.50	5.00	NA	mg/Kg	07/05/17 6:35AM	07/07/17 1:05PM	PA/VA
Surr: 2,5-Dibromotoluene	353	NA	51.3-138	NA	S %Rec	07/05/17 6:35AM	07/07/17 1:05PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

The surrogate recovery is outside laboratory control limits due to matrix interference.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	0.00200	0.00400	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:53PM	PA/VA
Ethylbenzene	ND	0.00200	0.00400	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:53PM	PA/VA
Methyl tert-butyl ether	ND	0.0100	0.0200	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:53PM	PA/VA
Naphthalene	ND	0.00200	0.00400	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:53PM	PA/VA
Toluene	0.00468	0.00200	0.00400	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:53PM	PA/VA
Total Xylenes	ND	0.00600	0.0120	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:53PM	
Surr: 1,2-Dichloroethane-d4	91.9	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/06/17 4:53PM	
Surr: 4-Bromofluorobenzene	108	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/06/17 4:53PM	
Surr: Dibromofluoromethane	93.7	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/06/17 4:53PM	
Surr: Toluene-d8	94.6	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/06/17 4:53PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 12:05:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-06A	Matrix:	Soil
Client Sample ID:	B05-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	ND	3.97	7.94	NA	mg/Kg	07/10/17 3:30PM	07/11/17 9:04PM	
Surr: o-Terphenyl	81.2	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 9:04PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	ND	2.38	4.75	NA	mg/Kg	07/05/17 6:35AM	07/07/17 1:38PM	PA/VA
Surr: 2,5-Dibromotoluene	209	NA	51.3-138	NA	S %Rec	07/05/17 6:35AM	07/07/17 1:38PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

The surrogate recovery is outside laboratory control limits due to matrix interference.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:20PM	PA/VA
Ethylbenzene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:20PM	PA/VA
Methyl tert-butyl ether	ND	0.00990	0.0198	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:20PM	PA/VA
Naphthalene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:20PM	PA/VA
Toluene	0.00636	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:20PM	PA/VA
Total Xylenes	ND	0.00594	0.0119	NA	mg/Kg	07/05/17 6:35AM	07/06/17 4:20PM	
Surr: 1,2-Dichloroethane-d4	65.0	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/06/17 4:20PM	
Surr: 4-Bromofluorobenzene	113	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/06/17 4:20PM	
Surr: Dibromofluoromethane	83.8	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/06/17 4:20PM	
Surr: Toluene-d8	103	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/06/17 4:20PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 12:45:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-07A	Matrix:	Soil
Client Sample ID:	B07-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	ND	3.98	7.95	NA	mg/Kg	07/10/17 3:30PM	07/11/17 9:35PM	
Surr: o-Terphenyl	82.7	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 9:35PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	ND	2.48	4.95	NA	mg/Kg	07/05/17 6:35AM	07/11/17 3:38AM	PA/VA
Surr: 2,5-Dibromotoluene	126	NA	51.3-138	NA	%Rec	07/05/17 6:35AM	07/11/17 3:38AM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:26PM	PA/VA
Ethylbenzene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:26PM	PA/VA
Methyl tert-butyl ether	ND	0.00990	0.0198	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:26PM	PA/VA
Naphthalene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:26PM	PA/VA
Toluene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:26PM	PA/VA
Total Xylenes	ND	0.00594	0.0119	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:26PM	
Surr: 1,2-Dichloroethane-d4	101	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/06/17 5:26PM	
Surr: 4-Bromofluorobenzene	106	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/06/17 5:26PM	
Surr: Dibromofluoromethane	100	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/06/17 5:26PM	
Surr: Toluene-d8	93.5	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/06/17 5:26PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017
Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 2:10:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-08A	Matrix:	Soil
Client Sample ID:	B10-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	ND	3.97	7.94	NA	mg/Kg	07/10/17 3:30PM	07/11/17 10:06PM	
Surr: o-Terphenyl	90.9	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 10:06PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	93.6	12.5	25.0	NA	mg/Kg	07/05/17 6:35AM	07/06/17 7:52PM	PA/VA
Surr: 2,5-Dibromotoluene	187	NA	51.3-138	NA	S %Rec	07/05/17 6:35AM	07/06/17 7:52PM	

Notes:
 Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.
 The surrogate recovery is outside laboratory control limits due to matrix interference.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	0.0125	0.0250	NA	mg/Kg	07/05/17 6:35AM	07/12/17 2:25PM	PA/VA
Ethylbenzene	0.0138	0.0125	0.0250	NA	J mg/Kg	07/05/17 6:35AM	07/12/17 2:25PM	PA/VA
Methyl tert-butyl ether	ND	0.0625	0.125	NA	mg/Kg	07/05/17 6:35AM	07/12/17 2:25PM	PA/VA
Naphthalene	ND	0.0125	0.0250	NA	mg/Kg	07/05/17 6:35AM	07/12/17 2:25PM	PA/VA
Toluene	0.0428	0.0125	0.0250	NA	mg/Kg	07/05/17 6:35AM	07/12/17 2:25PM	PA/VA
Total Xylenes	0.0732	0.0375	0.0750	NA	J mg/Kg	07/05/17 6:35AM	07/12/17 2:25PM	
Surr: 1,2-Dichloroethane-d4	103	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/12/17 2:25PM	
Surr: 4-Bromofluorobenzene	101	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/12/17 2:25PM	
Surr: Dibromofluoromethane	106	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/12/17 2:25PM	
Surr: Toluene-d8	94.9	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/12/17 2:25PM	

Notes:
 Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 2:15:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-09A	Matrix:	Soil
Client Sample ID:	B11-1	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	1,100	7.91	15.8	NA	mg/Kg	07/10/17 3:30PM	07/11/17 10:37PM	
Surr: o-Terphenyl	92.0	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 10:37PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	3,400	250	500	NA	mg/Kg	07/05/17 6:35AM	07/07/17 3:31PM	PA/VA
Surr: 2,5-Dibromotoluene	106	NA	51.3-138	NA	%Rec	07/05/17 6:35AM	07/07/17 3:31PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 8:48PM	PA/VA
Ethylbenzene	17.4	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 8:48PM	PA/VA
Methyl tert-butyl ether	ND	25.0	50.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 8:48PM	PA/VA
Naphthalene	ND	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 8:48PM	PA/VA
Toluene	49.4	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 8:48PM	PA/VA
Total Xylenes	337	15.0	30.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 8:48PM	
Surr: 1,2-Dichloroethane-d4	94.1	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/11/17 8:48PM	
Surr: 4-Bromofluorobenzene	112	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/11/17 8:48PM	
Surr: Dibromofluoromethane	103	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/11/17 8:48PM	
Surr: Toluene-d8	92.7	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/11/17 8:48PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 2:30:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-10A	Matrix:	Soil
Client Sample ID:	B11-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	1,030	8.00	16.0	NA	mg/Kg	07/10/17 3:30PM	07/11/17 11:08PM	
Surr: o-Terphenyl	86.4	NA	49.2-135	NA	%Rec	07/10/17 3:30PM	07/11/17 11:08PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	10,300	250	500	NA	mg/Kg	07/05/17 6:35AM	07/07/17 4:03PM	PA/VA
Surr: 2,5-Dibromotoluene	110	NA	51.3-138	NA	%Rec	07/05/17 6:35AM	07/07/17 4:03PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	32.9	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 9:21PM	PA/VA
Ethylbenzene	182	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 9:21PM	PA/VA
Methyl tert-butyl ether	ND	25.0	50.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 9:21PM	PA/VA
Naphthalene	44.3	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 9:21PM	PA/VA
Toluene	601	50.0	100	NA	mg/Kg	07/05/17 6:35AM	07/13/17 10:33PM	PA/VA
Total Xylenes	1,360	150	300	NA	mg/Kg	07/05/17 6:35AM	07/13/17 10:33PM	
Surr: 1,2-Dichloroethane-d4	96.7	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/11/17 9:21PM	
Surr: 4-Bromofluorobenzene	110	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/11/17 9:21PM	
Surr: Dibromofluoromethane	98.0	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/11/17 9:21PM	
Surr: Toluene-d8	95.5	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/11/17 9:21PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 2:33:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-11A	Matrix:	Soil
Client Sample ID:	B12-1	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL	Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	23.9	8.00	16.0	NA		mg/Kg	07/11/17 1:33PM	07/12/17 2:18PM	
Surr: o-Terphenyl	98.1	NA	49.2-135	NA		%Rec	07/11/17 1:33PM	07/12/17 2:18PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	381	12.5	25.0	NA		mg/Kg	07/05/17 6:35AM	07/06/17 9:28PM	PA/VA
Surr: 2,5-Dibromotoluene	219	NA	51.3-138	NA	S	%Rec	07/05/17 6:35AM	07/06/17 9:28PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

The surrogate recovery is outside laboratory control limits due to matrix interference.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	0.0710	0.0500	0.100	NA	J	mg/Kg	07/05/17 6:35AM	07/11/17 9:54PM	PA/VA
Ethylbenzene	1.23	0.0500	0.100	NA		mg/Kg	07/05/17 6:35AM	07/11/17 9:54PM	PA/VA
Methyl tert-butyl ether	1.03	0.250	0.500	NA		mg/Kg	07/05/17 6:35AM	07/11/17 9:54PM	PA/VA
Naphthalene	1.08	0.0500	0.100	NA		mg/Kg	07/05/17 6:35AM	07/11/17 9:54PM	PA/VA
Toluene	2.12	0.500	1.00	NA		mg/Kg	07/05/17 6:35AM	07/12/17 12:17PM	PA/VA
Total Xylenes	13.4	1.50	3.00	NA		mg/Kg	07/05/17 6:35AM	07/12/17 12:17PM	
Surr: 1,2-Dichloroethane-d4	96.3	NA	62.4-137	NA		%Rec	07/05/17 6:35AM	07/11/17 9:54PM	
Surr: 4-Bromofluorobenzene	103	NA	73.8-139	NA		%Rec	07/05/17 6:35AM	07/11/17 9:54PM	
Surr: Dibromofluoromethane	97.8	NA	69-143	NA		%Rec	07/05/17 6:35AM	07/11/17 9:54PM	
Surr: Toluene-d8	93.5	NA	71.2-133	NA		%Rec	07/05/17 6:35AM	07/11/17 9:54PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 2:47:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-12A	Matrix:	Soil
Client Sample ID:	B12-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	6,930	7.97	15.9	NA	mg/Kg	07/11/17 1:33PM	07/12/17 2:49PM	
Surr: o-Terphenyl	104	NA	49.2-135	NA	%Rec	07/11/17 1:33PM	07/12/17 2:49PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	25,900	250	500	NA	mg/Kg	07/05/17 6:35AM	07/07/17 4:34PM	PA/VA
Surr: 2,5-Dibromotoluene	106	NA	51.3-138	NA	%Rec	07/05/17 6:35AM	07/07/17 4:34PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	76.3	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 10:27PM	PA/VA
Ethylbenzene	419	50.0	100	NA	mg/Kg	07/05/17 6:35AM	07/13/17 11:06PM	PA/VA
Methyl tert-butyl ether	ND	25.0	50.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 10:27PM	PA/VA
Naphthalene	174	5.00	10.0	NA	mg/Kg	07/05/17 6:35AM	07/11/17 10:27PM	PA/VA
Toluene	1,060	50.0	100	NA	mg/Kg	07/05/17 6:35AM	07/13/17 11:06PM	PA/VA
Total Xylenes	2,380	150	300	NA	mg/Kg	07/05/17 6:35AM	07/13/17 11:06PM	
Surr: 1,2-Dichloroethane-d4	117	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/11/17 10:27PM	
Surr: 4-Bromofluorobenzene	111	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/11/17 10:27PM	
Surr: Dibromofluoromethane	100	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/11/17 10:27PM	
Surr: Toluene-d8	92.5	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/11/17 10:27PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 3:10:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-13A	Matrix:	Soil
Client Sample ID:	B13-1	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	3,780	4.00	8.00	NA	mg/Kg	07/11/17 1:33PM	07/12/17 3:20PM	
Surr: o-Terphenyl	85.7	NA	49.2-135	NA	%Rec	07/11/17 1:33PM	07/12/17 3:20PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	1,840	250	500	NA	mg/Kg	07/05/17 6:35AM	07/07/17 5:06PM	PA/VA
Surr: 2,5-Dibromotoluene	127	NA	51.3-138	NA	%Rec	07/05/17 6:35AM	07/07/17 5:06PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	0.500	1.00	NA	mg/Kg	07/05/17 6:35AM	07/13/17 11:39PM	PA/VA
Ethylbenzene	ND	0.500	1.00	NA	mg/Kg	07/05/17 6:35AM	07/13/17 11:39PM	PA/VA
Methyl tert-butyl ether	ND	2.50	5.00	NA	mg/Kg	07/05/17 6:35AM	07/13/17 11:39PM	PA/VA
Naphthalene	4.32	0.500	1.00	NA	mg/Kg	07/05/17 6:35AM	07/13/17 11:39PM	PA/VA
Toluene	ND	0.500	1.00	NA	mg/Kg	07/05/17 6:35AM	07/13/17 11:39PM	PA/VA
Total Xylenes	2.57	1.50	3.00	NA	J mg/Kg	07/05/17 6:35AM	07/13/17 11:39PM	
Surr: 1,2-Dichloroethane-d4	97.7	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/13/17 11:39PM	
Surr: 4-Bromofluorobenzene	122	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/13/17 11:39PM	
Surr: Dibromofluoromethane	99.8	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/13/17 11:39PM	
Surr: Toluene-d8	94.0	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/13/17 11:39PM	

Notes:

The reporting limit is elevated as a result of dilutions required due to matrix interference.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017

Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 3:20:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-14A	Matrix:	Soil
Client Sample ID:	B13-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	6,880	79.3	159	NA	mg/Kg	07/11/17 1:33PM	07/13/17 3:48PM	
Surr: o-Terphenyl	85.3	NA	49.2-135	NA	%Rec	07/11/17 1:33PM	07/13/17 3:48PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	1,420	250	500	NA	mg/Kg	07/05/17 6:35AM	07/07/17 5:38PM	PA/VA
Surr: 2,5-Dibromotoluene	160	NA	51.3-138	NA	S %Rec	07/05/17 6:35AM	07/07/17 5:38PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

The surrogate recovery is outside laboratory control limits due to matrix interference.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	0.500	1.00	NA	mg/Kg	07/05/17 6:35AM	07/14/17 12:12AM	PA/VA
Ethylbenzene	ND	0.500	1.00	NA	mg/Kg	07/05/17 6:35AM	07/14/17 12:12AM	PA/VA
Methyl tert-butyl ether	ND	2.50	5.00	NA	mg/Kg	07/05/17 6:35AM	07/14/17 12:12AM	PA/VA
Naphthalene	3.75	0.500	1.00	NA	mg/Kg	07/05/17 6:35AM	07/14/17 12:12AM	PA/VA
Toluene	ND	0.500	1.00	NA	mg/Kg	07/05/17 6:35AM	07/14/17 12:12AM	PA/VA
Total Xylenes	2.52	1.50	3.00	NA	J mg/Kg	07/05/17 6:35AM	07/14/17 12:12AM	
Surr: 1,2-Dichloroethane-d4	102	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/14/17 12:12AM	
Surr: 4-Bromofluorobenzene	158	NA	73.8-139	NA	S %Rec	07/05/17 6:35AM	07/14/17 12:12AM	
Surr: Dibromofluoromethane	102	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/14/17 12:12AM	
Surr: Toluene-d8	96.1	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/14/17 12:12AM	

Notes:

The reporting limit is elevated as a result of dilutions required due to matrix interference.

REI Consultants, Inc. - Analytical Report

WO#: 17070185

Date Reported: 8/2/2017
Revision v2

Client:	GREENE ENVIRONMENTAL SERVICES, LLC	Collection Date:	6/30/2017 4:00:00 PM
Project:	CHAMBLISSBURG SUPPLY-CSVI	Date Received:	7/3/2017
Lab ID:	17070185-15A	Matrix:	Soil
Client Sample ID:	B15-4	Site ID:	VIRGINIA

Analysis	Result	MDL	PQL	MCL Qual	Units	Prep Date	Date Analyzed	NELAC
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SEMI-VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: YT**

TPH (Diesel Range: C10 - C28)	506	4.00	8.00	NA	mg/Kg	07/11/17 1:33PM	07/12/17 4:23PM	
Surr: o-Terphenyl	89.0	NA	49.2-135	NA	%Rec	07/11/17 1:33PM	07/12/17 4:23PM	

VOLATILE RANGE ORGANICS **Method: SW8015C** **Analyst: CB**

TPH (Gasoline Range: C6 - C10)	ND	2.48	4.95	NA	mg/Kg	07/05/17 6:35AM	07/07/17 2:52PM	PA/VA
Surr: 2,5-Dibromotoluene	929	NA	51.3-138	NA	S %Rec	07/05/17 6:35AM	07/07/17 2:52PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.

The surrogate recovery is outside laboratory control limits due to matrix interference.

VOLATILE ORGANIC COMPOUNDS **Method: SW8260B** **Analyst: JM**

Benzene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:59PM	PA/VA
Ethylbenzene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:59PM	PA/VA
Methyl tert-butyl ether	ND	0.00990	0.0198	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:59PM	PA/VA
Naphthalene	ND	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:59PM	PA/VA
Toluene	0.00550	0.00198	0.00396	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:59PM	PA/VA
Total Xylenes	ND	0.00594	0.0119	NA	mg/Kg	07/05/17 6:35AM	07/06/17 5:59PM	
Surr: 1,2-Dichloroethane-d4	79.5	NA	62.4-137	NA	%Rec	07/05/17 6:35AM	07/06/17 5:59PM	
Surr: 4-Bromofluorobenzene	121	NA	73.8-139	NA	%Rec	07/05/17 6:35AM	07/06/17 5:59PM	
Surr: Dibromofluoromethane	86.0	NA	69-143	NA	%Rec	07/05/17 6:35AM	07/06/17 5:59PM	
Surr: Toluene-d8	101	NA	71.2-133	NA	%Rec	07/05/17 6:35AM	07/06/17 5:59PM	

Notes:

Sample was received at the laboratory in a container that is not in accordance with method 5035 field sampling techniques. Results may not be acceptable for compliance purposes.



Improving the environment, one client at a time...

REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: (304)255-2500
Website: www.reiclabs.com

Sample Receipt Checklist

Client Name: GRE096 Work Order Number: 17070185
RCPNo: 1 Date and Time Received: 7/3/2017 8:18:00 PM Received by: Randy Rose
Completed By: Traves Meadows Reviewed By: Billy Shirley
Completed Date: 7/4/2017 10:26:26 AM Reviewed Date: 7/5/2017 9:42 AM

Carrier Name: REIC

- 1. Chain of custody present? Yes [x] No []
2. Chain of custody signed when relinquished and received? Yes [x] No []
3. Are matrices correctly identified on Chain of custody? Yes [x] No []
4. Is it clear what analyses were requested? Yes [x] No []
5. Custody seals intact? Yes [] No [] Not Present [x]
6. Samples in proper container type and preservative? Yes [x] No []
7. Were correct preservatives noted on COC? Yes [x] No [] NA []
8. Sample containers intact? Yes [x] No []
9. Sufficient sample volume for indicated test? Yes [x] No []
10. Were container labels complete? Yes [x] No []
11. All samples received within holding time? Yes [x] No []
12. Was an attempt made to cool the samples? Yes [x] No [] NA []
13. Sample Temp. taken and recorded upon receipt? Yes [x] No [] To 3.8 °C
14. Water - Were bubbles absent in VOC vials? Yes [] No [] No Vials [x]
15. Are Samples considered acceptable? Yes [x] No []
16. COC filled out properly? Yes [x] No []

Client Notification/Response

Client Name: GRE096 Work Order Number: 17070185
Comment:
Client Contacted: Yes [] No [] NA [x] Person Contacted:
Contact Mode: Phone [] Fax: [] Email: [] In Person: []
Date Contacted: Contacted By:
Regarding:
Client Instructions:
Corrective Action:

CHAIN OF CUSTODY RECORD



Research Environmental & Industrial Consultants, Inc.
MAIN LABORATORY & CORPORATE HEADQUARTERS:
 P.O. Box 286 • 225 Industrial Park Rd, Beaver, WV 25813
 800-999-0105 • 304-255-2500 • www.reiclabs.com

SHENANDOAH Service Center
 1557 Commerce Rd., Ste 201
 Verona, VA 24482
 540-248-0183

ROANOKE Service Center
 3029-C Peters Creek Rd
 Roanoke, VA 24019
 540-777-1276

MORGANTOWN Service Center
 16 Commerce Drive
 Westover, WV 26501
 304-241-5861

v13-0516

REIC use ONLY

CLIENT ID GRE096

DATE _____

SHEET _____

Client: GREENE ENVIRONMENTAL SERVICES, LLC

PO # _____

Contact Person Mr. Trev Greene

Phone (540) 483-3311

Address 570 Redbud Hill Road

City ROCKY MOUNT

State VA

Zip 24151

Billing Address (if different) _____

City _____

State _____

Zip _____

Site ID & State VIRGINIA

Proj ID Chamblissburg Supply - CSVI

Sampler CH

ANALYSIS & METHOD REQUESTED

▶ MTBE, BTEX, Naphthalene via 8021

▶ TPH-GRO via 8015

▶ TPH-DRO via 8015

TURNAROUND TIME

NORMAL **5 DAY** **3 DAY** **2 DAY** **1 DAY**

RUSH TURNAROUND*

*Rush work needs prior laboratory approval and will incur additional charges

Send Results Via:

- Email
 Fax

All analytical requests are subject to REIC's Standard [Terms and Conditions](#).

ENTER PRESERVATIVE CODE(S):

- 0 None
- 1 Hydrochloric Acid
- 2 Nitric Acid
- 3 Sulfuric Acid
- 4 Sodium Thiosulfate
- 5 Sodium Hydroxide/
Sodium Arsenite
- 6 Sodium Hydroxide
- 7 Ascorbic Acid
- 8 Sodium Bisulfate/Methanol
- 9 Ammonium Chloride
- 10 CR6 Buffer
- 11 Sodium Sulfite/
Hydrochloric Acid
- 12 _____

**(Use blank for a preservative not listed.)*

SAMPLE ID	No. & Type of Containers	Sampling Date/Time	Matrix	Sample Comp/Grab	PRESERVATIVE CODE(S)																	
					0	1	2	3	4	5	6	7	8	9	10	11	12					
B12-1	1 soil	06/30/17 @1433	Soil	Grab	X	X	X															
B12-4	1 soil	06/30/17 @1447	Soil	Grab	X	X	X															
B13-1	1 soil	06/30/17 @1510	Soil	Grab	X	X	X															
B13-4	1 soil	06/30/17 @1520	Soil	Grab	X	X	X															
B15-4	1 soil	06/30/17 @1600	Soil	Grab	X	X	X															

COMMENTS:

CUSTODY SEALS [] Y [] N

Corrected temp at arrival: 3.8 °C ICED? Y N IR # 1 Containers provided by: REIC [] Client Delivered by: [] Client REIC [] UPS [] FedEx [] USPS

RECD: <u>Cathy Harris</u>	Date/Time: <u>7/3/17 1105</u>	RECD: _____	Date/Time: _____	RECD: _____	Date/Time: _____
RECD: <u>Randy Brown</u>	Date/Time: <u>7-3-17 1145</u>	RECD: _____	Date/Time: _____	RECD: _____	Date/Time: _____
RECD: <u>Destiny Duncan</u>	Date/Time: <u>7-3-17 1247</u>	RECD: _____	Date/Time: _____	RECD: _____	Date/Time: _____
RECD: <u>[Signature]</u>	Date/Time: <u>7-3-17 1630</u>	RECD: <u>[Signature]</u>	Date/Time: <u>7/3/17 1725</u>	RECD: <u>[Signature]</u>	Date/Time: <u>7/3/17 2018</u>

APPENDIX E

Associated Documents

VA DEQ Letter Dated June 12, 2017
Tank Tightness Test – Environmental Solutions
Cathodic Protection Test – First Action Systems
Automatic Tank Gauging - Release Detection Data



COMMONWEALTH of VIRGINIA

Molly Joseph Ward
Secretary of Natural Resources

DEPARTMENT OF ENVIRONMENTAL QUALITY

Blue Ridge Regional Office
3019 Peters Creek Road, Roanoke, Virginia 24019
(540) 562-6700; Fax (540) 562-6725
www.deq.virginia.gov

David K. Paylor
Director

Robert J. Weld
Regional Director

June 12, 2017

Mr. Lacy F. Dudley
Chamblissburg Supply (dba Elei's)
4118 Mudlick Road, SW
Roanoke, Virginia 24018

Re: Release Investigation and Reporting: Chamblissburg Supply (dba Elei's), 10625 Stewartville Road (Route 24), County of Bedford, Vinton, Virginia, LUST PC No. 2017-2298, Facility I.D. No. 2-007350, CEDS I.D. No. 200000088223

Dear Mr. Dudley:

The Virginia Department of Environmental Quality – Blue Ridge Regional Office - Roanoke (VA DEQ-BRRO-R) received notification of a suspected gasoline petroleum release at the above referenced site on June 5, 2017. Based on the evidence available to us, we believe that you are the Responsible Person (RP) for this suspected petroleum release. This means that you are responsible for performing certain activities associated with this suspected release as required by State Water Control Law (Article 9, 10 and 11 of the Virginia Code, Section 62.1 - 44:34:8 through: 23, inclusive). Your responsibilities include:

1. Conducting initial abatement measures to:
 - a. Identify all source(s) of petroleum pollution,
 - b. Stop the source(s) of contamination (remove as much of the petroleum from the system as necessary to prevent further release to the environment),
 - c. Identify human health/safety risks and environmental receptors near the release site (e.g. vapors in basements, drinking water supply wells, spring water supply, surface water bodies),
 - d. Contain/prevent any "discharge" of petroleum contaminated ground water to surface water (e.g. cut-off trenching, absorbent materials, etc.),

Mr. Lacy F. Dudley
Chamblissburg Supply (dba Elei's)
Page 2

2. If "free product" (liquid petroleum in soil or water) contamination is identified in the investigation, the responsible person must recover and properly dispose of any free product and/or petroleum saturated soils, and report the situation, and
3. Submit a Release Investigation Report (RI) to the DEQ-Blue Ridge Regional Office – Roanoke by **August 5th, 2017**.

Immediate action is required to determine the source of the release. As part of your required Release Investigation Report, a site check is required and must include a geoprobe investigation of the site. Several samples of soil and groundwater are required to determine the extent of the gasoline plume on the property. Samples must be placed to detect a release. Also a tank and line tightness test is required for each UST system to determine the current state of the UST systems at the facility. Once the geoprobe investigation is complete and several water samples have been collected and analyzed by a certified lab, work on the required report can begin.

If you choose not to perform the required corrective action, the Board may elect to initiate either administrative or judicial enforcement proceedings against you. In any administrative proceeding, your rights under Code § 2.2-4019 include notice and a chance to appear in person or by a representative to present factual data, argument, and proof in connection with this matter. During this proceeding you may dispute the Department's allegation that you discharged or caused or permitted a discharge of oil.

This letter is intended to provide information to assist you in evaluating your compliance obligations and is not intended to be a case decision under the Administrative Process Act. I have been assigned as the case manager for this Pollution Complaint and will assist you in completing a rapid and effective release investigation. If you have any questions or would like to discuss the information contained in this letter, please contact me at 540-562-6855 or at Robert.Howard@DEQ.Virginia.Gov. In the event that discussions with staff do not lead to a satisfactory resolution of the contents of this letter, you may elect to participate in DEQ's Process for Early Dispute Resolution. For information on the Process for Early Dispute Resolution, please visit the "Laws & Regulations", then the "DEQ Regulations" portion of our website.

The regional office site coordinator has the discretion to approve or deny a compliance schedule extension request. To obtain an extension, a request from the responsible person must be addressed to the site coordinator before the established compliance date. The responsible person should provide justification for the extension and specify an alternate reporting date. Enforcement actions may be taken if you fail to comply with the reporting requirements.

Included with this letter are fact sheets concerning the Release Investigation Report and Free Product Removal Report. A Free Product Removal Report may be required if free phase liquid petroleum is present at the site.

Mr. Lacy F. Dudley
Chamblissburg Supply (dba Elei's)
Page 3

The Virginia Petroleum Storage Tank Fund (VPSTF) has established procedures for financial reimbursement of authorized corrective action activities. Current information concerning VPSTF reimbursement is outlined in the VPSTF Guidance Manual and is available upon request, or from our webpage. Prior approval of site work is required if you plan to seek reimbursement for this pollution event with the exception of certain emergency activities. Any activities performed more than **24 hours prior** to the date this release was reported are INELIGIBLE for reimbursement.

Enclosed with this letter is a Petroleum Cleanup Activity Authorization Form for 007 UCR's (AAF). For prior approval you or your consultant must complete this form, specifying each task that is commensurate with the site conditions and necessary to achieve a complete site characterization phase. A topographic site map (1 inch=2000 feet) and an approximate scaled map of the site showing pertinent features must accompany the AAF. The form and site maps should be mailed or a facsimile sent to the DEQ-BRRO for prior approval of this work on or before **June 26th, 2017**.

Questions concerning the initial abatement measures activity or reporting should be directed to me at 540-562-6855. We can discuss any further site work following my review of your report. Your timely cooperation is appreciated.

Sincerely,



Robert L. Howard, PG
Geologist Supervisor
Site Coordinator

RI.doc

Enclosure(s)

- Fact Sheet: Elements of a Free Product Removal Report
- Fact Sheet: Elements of a Release Investigation Report
- Petroleum Cleanup Activity Authorization Form for 007 UCR's

cc: File ECM via e-mail (w/attachments)

EZY 3 LOCATOR PLUS

FINAL REPORT

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATE June 28, 2017

PBS # (NEW YORK) _____

TOTAL TANK VOL. 5000 Gallons

TANK # 1

PRODUCT VOL. _____

LOCATION Chamblissburg Supply

ULLAGE VOL. _____

10625 Stewartville Rd

PRODUCT TYPE Super

Vinton, VA 24179

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

NO WATER INTRUSION _____

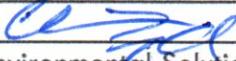
WATER INTRUSION _____

NOT APPLICABLE

Operator Information:

Print Name Charles Trogdon

Certification # 139318

Sign Name 

Expiration Date 8/21/2018

Testing Firm Environmental Solutions

Telephone # 540.312.8467

Address PO Box 531

Cloverdale, VA 24077



P.O. Box 531
Cloverdale, Virginia 24077
Phone: 540-312-8467
Fax: 540-400-8865

EZY 3 LOCATOR PLUS

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

DATA SHEET

DATE Wednesday, June 28, 2017

TOTAL TANK VOL. 5000 Gallon

PRODUCT VOL. _____

ULLAGE VOL. _____

PRODUCT TYPE Super

PBS # (NEW YORK) _____

TANK # 1

LOCATION Chamblissburg Supply

10625 Stewartville Rd

Vinton, VA 24179

PRESSURE SENSOR CALCULATION

<u>36.0</u>	X	<u>0.026</u>	=	<u>0.936</u>	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	<u>0.936</u>	PSI (3)
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	<u>0.936</u>	+/-PSI (5)
Always add .5 PSI			+	<u>1.436</u>	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	<u>1.500</u>	+/-PSI (7)

ACOUSTIC TEST TIME

	TIME	PRESSURE
Blower Started:	<u>9:00 AM</u>	_____
Test Pressure Reached:	<u>9:15 AM</u>	<u>1.500</u>
Blower Turned Off:	<u>9:30 AM</u>	<u>1.500</u>
Test Began:	<u>9:45 AM</u>	<u>1.500</u>
Test Ended:	<u>10:00 AM</u>	_____

Depth of Groundwater Determined:

By: Water Stick

Where: Beside Tanks

WATER SENSOR CALIBRATION

Added: _____

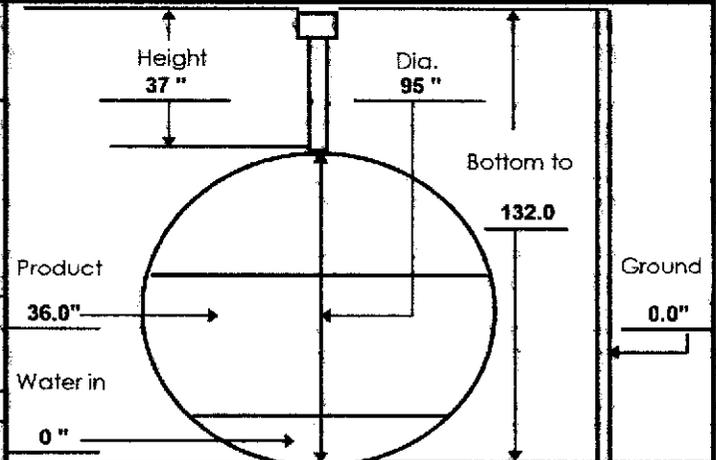
Average: _____

Cal #1 _____ Cal #2 _____ Cal #3 _____

Calculation for Test Period:

_____ ÷ 3780 = _____ .05 x 60 = _____

Ave. Cal. "A" Factor Time of Test



WATER INTRUSION TEST PERIOD

Began: _____

Ended: _____

EZY 3 LOCATOR PLUS

FINAL REPORT

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATE June 28, 2017

PBS # (NEW YORK) _____

TOTAL TANK VOL. 5000 Gallons

TANK # 2

PRODUCT VOL. _____

LOCATION Chamblissburg Supply

ULLAGE VOL. _____

10625 Stewartsville Rd

PRODUCT TYPE Regular 2

Vinton, VA 24179

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

NO WATER INTRUSION _____

WATER INTRUSION _____

NOT APPLICABLE

Operator Information:

Print Name Charles Trogon

Certification # 139318

Sign Name *Charles Trogon*

Expiration Date 8/21/2018

Testing Firm Environmental Solutions

Telephone # 540.312.8467

Address PO Box 531

Cloverdale, VA 24077



P.O. Box 531
Cloverdale, Virginia 24077
Phone: 540-312-8467
Fax: 540-400-8865

EZY 3 LOCATOR PLUS

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATA SHEET

DATE Wednesday, June 28, 2017

TOTAL TANK VOL. 5000 Gallon

PRODUCT VOL. _____

ULLAGE VOL. _____

PRODUCT TYPE Regular 2

PBS # (NEW YORK) _____

TANK # 2

LOCATION Chamblissburg Supply

10625 Stewartsville Rd

Vinton, VA 24179

PRESSURE SENSOR CALCULATION

<u>36.0</u>	X	<u>0.026</u>	=	<u>0.936</u>	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	<u>0.936</u>	PSI (3)
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	<u>0.936</u>	+/-PSI (5)
Always add .5 PSI			+	<u>1.436</u>	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	<u>1.500</u>	+/-PSI (7)

ACOUSTIC TEST TIME

	TIME	PRESSURE
Blower Started:	<u>9:00 AM</u>	_____
Test Pressure Reached:	<u>9:15 AM</u>	<u>1.500</u>
Blower Turned Off:	<u>9:30 AM</u>	<u>1.500</u>
Test Began:	<u>9:45 AM</u>	<u>1.500</u>
Test Ended:	<u>10:00 AM</u>	_____

Depth of Groundwater Determined:

By: Water Stick

Where: Beside Tanks

WATER SENSOR CALIBRATION

Added: _____

Average: _____

Cal #1 _____ Cal #2 _____ Cal #3 _____

Calculation for Test Period:

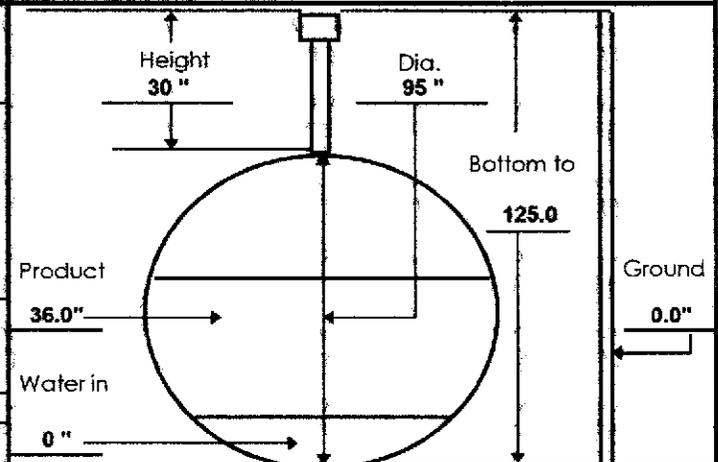
_____ ÷ 3780 = _____ .05 x 60 = _____

Ave. Cal. "A" Factor Time of Test

WATER INTRUSION TEST PERIOD

Began: _____

Ended: _____



EZY 3 LOCATOR PLUS

FINAL REPORT

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATE June 28, 2017

PBS # (NEW YORK) _____

TOTAL TANK VOL. 6000 Gallons

TANK # 3

PRODUCT VOL. _____

LOCATION Chamblissburg Supply

ULLAGE VOL. _____

10625 Stewartville Rd

PRODUCT TYPE Regular 1

Vinton, VA 24179

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

NO WATER INTRUSION _____

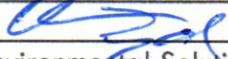
WATER INTRUSION _____

NOT APPLICABLE _____

Operator Information:

Print Name Charles Trogdon

Certification # 139318

Sign Name 

Expiration Date 8/21/2018

Testing Firm Environmental Solutions

Telephone # 540.312.8467

Address PO Box 531

Cloverdale, VA 24077



P.O. Box 531
Cloverdale, Virginia 24077
Phone: 540-312-8467
Fax: 540-400-8865

EZY 3 LOCATOR PLUS

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

PRESSURE CALCULATION & WATER SENSOR CALIBRATION DATA SHEET

DATE Wednesday, June 28, 2017

TOTAL TANK VOL. 5000 Gallon

PRODUCT VOL. _____

ULLAGE VOL. _____

PRODUCT TYPE Regular 1

PBS # (NEW YORK) _____

TANK # 3

LOCATION Chamblissburg Supply

10625 Stewartville Rd

Vinton, VA 24179

PRESSURE SENSOR CALCULATION

<u>40.0</u>	X	<u>0.026</u>	=	<u>1.040</u>	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	<u>1.040</u>	PSI (3)
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	<u>1.040</u>	+/-PSI (5)
Always add .5 PSI			+	<u>1.540</u>	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	<u>1.600</u>	+/-PSI (7)

ACOUSTIC TEST TIME

	TIME	PRESSURE
Blower Started:	<u>10:15 AM</u>	_____
Test Pressure Reached:	<u>10:30 AM</u>	<u>1.600</u>
Blower Turned Off:	<u>10:45 AM</u>	<u>1.600</u>
Test Began:	<u>11:00 AM</u>	<u>1.600</u>
Test Ended:	<u>11:15 AM</u>	_____

Depth of Groundwater Determined:

By: Water Stick

Where: Beside Tanks

WATER SENSOR CALIBRATION

Added: _____

Average: _____

Cal #1 _____ Cal #2 _____ Cal #3 _____

Calculation for Test Period:

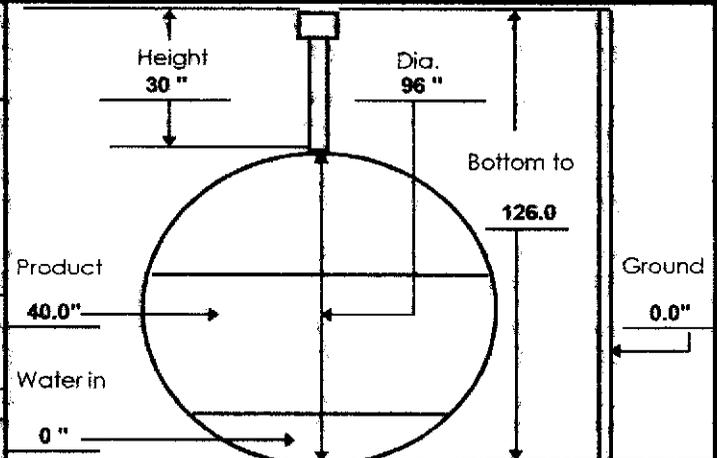
_____ ÷ 3780 = _____ .05 x 60 = _____

Ave. Cal. "A" Factor Time of Test

WATER INTRUSION TEST PERIOD

Began: _____

Ended: _____



EZY 3 LOCATOR PLUS

FINAL REPORT

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATE June 28, 2017

PBS # (NEW YORK) _____

TOTAL TANK VOL. 4000 Gallons

TANK # 4

PRODUCT VOL. _____

LOCATION Chamblissburg Supply

ULLAGE VOL. _____

10625 Stewartsville Rd

PRODUCT TYPE Plus

Vinton, VA 24179

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

X

TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

NO WATER INTRUSION _____

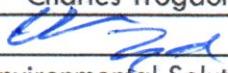
WATER INTRUSION _____

NOT APPLICABLE X

Operator Information:

Print Name Charles Trogdon

Certification # 139318

Sign Name 

Expiration Date 8/21/2018

Testing Firm Environmental Solutions

Telephone # 540.312.8467

Address PO Box 531

Cloverdale, VA 24077



P.O. Box 531
Cloverdale, Virginia 24077
Phone: 540-312-8467
Fax: 540-400-8865

EZY 3 LOCATOR PLUS

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATA SHEET

DATE Wednesday, June 28, 2017

TOTAL TANK VOL. 4000 Gallon

PRODUCT VOL. _____

ULLAGE VOL. _____

PRODUCT TYPE Plus

PBS # (NEW YORK) _____

TANK # 4

LOCATION Chamblissburg Supply

10625 Stewartsville Rd

Vinton, VA 24179

PRESSURE SENSOR CALCULATION

<u>33.0</u>	X	<u>0.026</u>	=	<u>0.858</u>	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	<u>0.858</u>	PSI (3)
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	<u>0.858</u>	+/-PSI (5)
Always add .5 PSI			+	<u>1.358</u>	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	<u>1.400</u>	+/-PSI (7)

ACOUSTIC TEST TIME

	TIME	PRESSURE
Blower Started:	<u>10:15 AM</u>	_____
Test Pressure Reached:	<u>10:30 AM</u>	<u>1.400</u>
Blower Turned Off:	<u>10:45 AM</u>	<u>1.400</u>
Test Began:	<u>11:00 AM</u>	<u>1.400</u>
Test Ended:	<u>11:15 AM</u>	_____

Depth of Groundwater Determined:

By: Water Stick

Where: Beside Tanks

WATER SENSOR CALIBRATION

Added: _____ Cal #1 _____ Cal #2 _____ Cal #3

Average: _____

Calculation for Test Period:

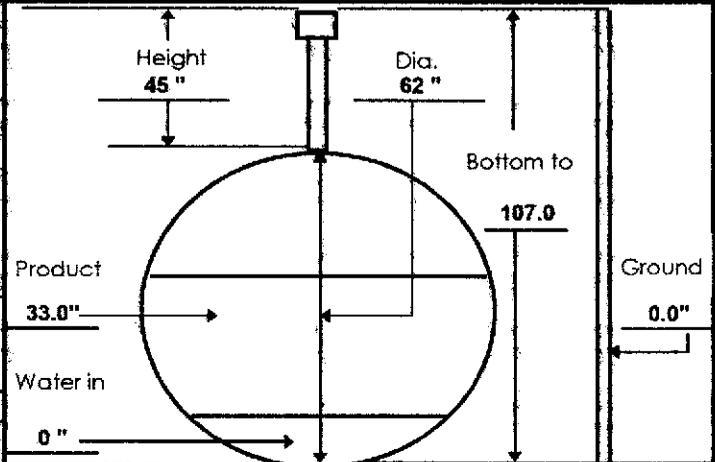
 ÷ 3780 = .05 x 60 =

Ave. Cal. "A" Factor Time of Test

WATER INTRUSION TEST PERIOD

Began: _____

Ended: _____



EZY 3 LOCATOR PLUS

FINAL REPORT

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATE June 28, 2017

PBS # (NEW YORK) _____

TOTAL TANK VOL. 1000 Gallons

TANK # 5

PRODUCT VOL. _____

LOCATION Chamblissburg Supply

ULLAGE VOL. _____

10625 Stewartville Rd

PRODUCT TYPE Diesel

Vinton, VA 24179

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

NO WATER INTRUSION _____

WATER INTRUSION _____

NOT APPLICABLE

Operator Information:

Print Name Charles Trogdon

Certification # 139318

Sign Name *Charles Trogdon*

Expiration Date 8/21/2018

Testing Firm Environmental Solutions

Telephone # 540.312.8467

Address PO Box 531

Cloverdale, VA 24077



P.O. Box 531
Cloverdale, Virginia 24077
Phone: 540-312-8467
Fax: 540-400-8865

EZY 3 LOCATOR PLUS

PRESSURE CALCULATION & WATER SENSOR CALIBRATION

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATA SHEET

DATE Wednesday, June 28, 2017

TOTAL TANK VOL. 1000 Gallon

PRODUCT VOL. _____

ULLAGE VOL. _____

PRODUCT TYPE Diesel

PBS # (NEW YORK) _____

TANK # 5

LOCATION Chamblissburg Supply

10625 Stewartsville Rd

Vinton, VA 24179

PRESSURE SENSOR CALCULATION

<u>10.0</u>	X	<u>0.031</u>	=	<u>0.310</u>	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	<u>0.310</u>	PSI (3)
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	<u>0.310</u>	+/-PSI (5)
Always add .5 PSI			+	<u>0.810</u>	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	<u>0.850</u>	+/-PSI (7)

ACOUSTIC TEST TIME

	TIME	PRESSURE
Blower Started:	<u>12:00 PM</u>	_____
Test Pressure Reached:	<u>12:10 PM</u>	<u>0.850</u>
Blower Turned Off:	<u>12:20 PM</u>	<u>0.850</u>
Test Began:	<u>12:30 PM</u>	<u>0.850</u>
Test Ended:	<u>12:40 PM</u>	_____

Depth of Groundwater Determined:

By: Water Stick

Where: Beside Tanks

WATER SENSOR CALIBRATION

Added: _____

Average: _____

Cal #1 _____ Cal #2 _____ Cal #3 _____

Calculation for Test Period:

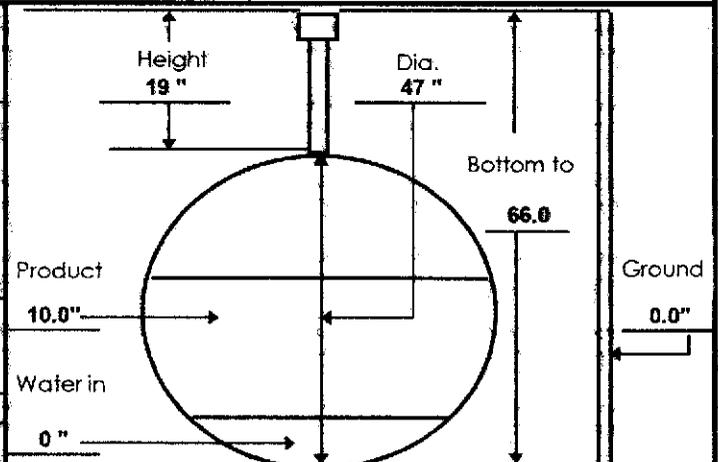
_____ ÷ 3780 = _____ .05 x 60 = _____

Ave. Cal. "A" Factor Time of Test

WATER INTRUSION TEST PERIOD

Began: _____

Ended: _____



EZY 3 LOCATOR PLUS

FINAL REPORT

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

DATE June 28, 2017

PBS # (NEW YORK) _____

TOTAL TANK VOL. 1000 Gallons

TANK # 6

PRODUCT VOL. _____

LOCATION Chamblissburg Supply

ULLAGE VOL. _____

10625 Stewartville Rd

PRODUCT TYPE Kerosene

Vinton, VA 24179

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

X

TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FORTH BY THE U.S. EPA.

ULLAGE (DRY) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(CHECK ONLY ONE)

NO WATER INTRUSION _____

WATER INTRUSION _____

NOT APPLICABLE _____

X

Operator Information:

Print Name Charles Trogdon

Certification # 139318

Sign Name *Charles Trogdon*

Expiration Date 8/21/2018

Testing Firm Environmental Solutions

Telephone # 540.312.8467

Address PO Box 531

Cloverdale, VA 24077



P.O. Box 531
Cloverdale, Virginia 24077
Phone: 540-312-8467
Fax: 540-400-8865

EZY 3 LOCATOR PLUS

MANUFACTURED BY: ESTABROOK'S INC. 1-877-368-7215

PRESSURE CALCULATION & WATER SENSOR CALIBRATION DATA SHEET

DATE Wednesday, June 28, 2017

TOTAL TANK VOL. 1000 Gallon

PRODUCT VOL. _____

ULLAGE VOL. _____

PRODUCT TYPE Kerosene

PBS # (NEW YORK) _____

TANK # 6

LOCATION Chamblissburg Supply

10625 Stewartsville Rd

Vinton, VA 24179

PRESSURE SENSOR CALCULATION

<u>21.0</u>	X	<u>0.029</u>	=	<u>0.609</u>	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	<u>0.609</u>	PSI (3)
<u>0.0</u>	X	<u>.036</u>	=	<u>0.000</u>	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	<u>0.609</u>	+/-PSI (5)
Always add .5 PSI			+	<u>1.109</u>	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	<u>1.150</u>	+/-PSI (7)

ACOUSTIC TEST TIME

	TIME	PRESSURE
Blower Started:	<u>12:00 PM</u>	_____
Test Pressure Reached:	<u>12:10 PM</u>	<u>1.150</u>
Blower Turned Off:	<u>12:20 PM</u>	<u>1.150</u>
Test Began:	<u>12:30 PM</u>	<u>1.150</u>
Test Ended:	<u>12:40 PM</u>	_____

Depth of Groundwater Determined:

By: Water Stick

Where: Beside Tanks

WATER SENSOR CALIBRATION

Added: _____

Average: _____

Cal #1 _____ Cal #2 _____ Cal #3 _____

Calculation for Test Period:

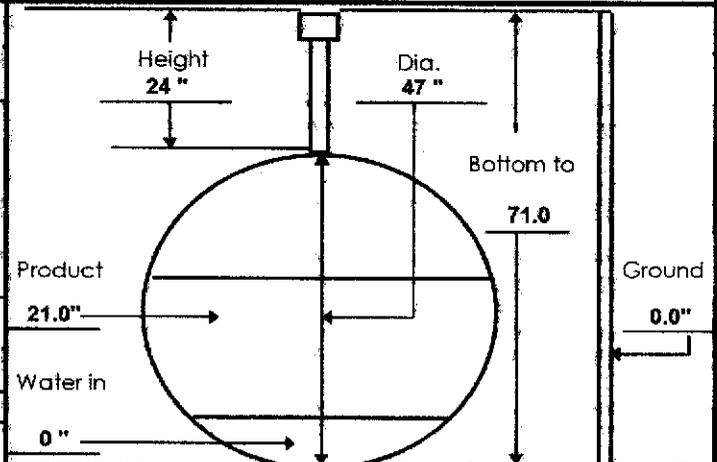
_____ ÷ 3780 = _____ .05 x 60 = _____

Ave. Cal. "A" Factor Time of Test

WATER INTRUSION TEST PERIOD

Began: _____

Ended: _____





P.O. Box 15113

Lynchburg, Virginia 24502

Telephone: 434.525.8322 • Fax: 434.525.9194

3 YEAR RECERTIFICATION CATHODIC PROTECTION SYSTEM

FACILITY:	Chamblissburg Supply
FACILITY LOCATION:	Vinton, VA
TYPE OF SYSTEM:	Impressed Current
EQUIPMENT SUPPLIER:	UNKNOWN
INSTALLATION DATE:	UNKNOWN
INSPECTION DATE:	October 21, 2016
TEST RESULTS:	Corrosion system is meeting the $-0.850v$ criteria for corrosion protection.
TANK READINGS:	See Attached
System needs to be retested:	October 2019

First Action Systems, LLC has evaluated the above corrosion protection system in accordance with federal and state UST regulations. Test criteria are established by the National Association of Corrosion Engineers (NACE) Standard RP0185-95.

First Action Systems, LLC

Gregory A. Coffec – Certification: NACE ID #189028-00
VA Class A Contractor's License No. 2705 069813A

CATHODIC PROTECTION TEST FORM

FACILITY INFORMATION

JOB #: _____ DATE OF TEST: 10/21/2016 TIME OF TEST: 11:00 AM

NAME: Chamblissburg Supply

ADDRESS: 10625 Stewartsville Road

CITY: Vinton

PHONE #: 540-890-3964

STATE: VA

ZIP: 24179

CONTACT: Ronnie

FAX #:

CLIENT INFORMATION

NAME: Mark Dudley

ADDRESS: 18151 Virgil H. Goode Hwy

CITY: Rocky Mount

PHONE #: 540-483-2624

STATE: VA

ZIP: 24151

CONTACT: Mark Dudley

FAX #:

SUMMARY OF TEST

THIS SUMMARY IS NOT COMPLETE WITHOUT THE *SITE SKETCH

RECTIFIER INFO: Good-All Electric | HR: N/A | OUTPUT VOLTAGE: 55.7 | OUTPUT AMPS: 3.01

TANK #	STRUCTURE CONTACT POINT	REFERENCE CELL POTENTIAL @							STRUCTURE PASSED OR FAILED TO MEET THE MINIMUM NACE STANDARD OUTLINED IN RP0285-95
		RECTIFIER ON/ or Galvanic (STI-P3)			RECTIFIER OFF				
		END (R1)*	CENTER (R2)*	END (R3)*	Inst. Off (R1)	Inst. Off (R2)	Inst. Off (R3)	FINAL VOLTAGE	
1	Tank Bottom	-3.32	-1.195	-1.526	-1.071	-1.092	-0.962		PASSED
2	Tank Bottom	-2.86	-1.340	-3.29	-1.100	-1.043	-1.271		PASSED
3	Tank Bottom	-1.851	-0.984	-3.04	-1.002	-0.891	-1.289		PASSED
4	Fill Riser	-1.385	-1.115	-2.02	-0.987	-0.900	-1.084		PASSED
5	Tank Bottom	-1.094	-0.995	-1.264	-0.855	-0.891	-0.999		PASSED
6	Tank Bottom	-1.131	-0.986	-1.430	-0.941	-0.882	-0.966		PASSED
7									
8									

REFERENCE CELL POTENTIAL @

PIPING	STRUCTURE CONTACT POINT	RECTIFIER ON Galvanic		RECTIFIER OFF			VOLTAGE DECAY	STRUCTURE PASSED OR FAILED TO MEET THE MINIMUM NACE STANDARD OUTLINED IN RP0285-95
		END (R1)*	END (R2)*	Inst. Off (R1)	Inst. Off (R2)	FINAL VOLTAGE		
1	R Line at Dispenser		-1.916		-1.108			PASSED
2	P Line at Dispenser		-1.849		-1.097			PASSED
3	S Line at Dispenser		-1.416		-1.014			PASSED
4	D Line at Dispenser		-1.339		-0.988			PASSED
5	K Line at Dispenser		-1.317		-0.984			PASSED
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

TESTER NAME: Greg Coffee

SOURCE OF CERTIFICATION: NACE

TYPE OF CERTIFICATION: CP Tester

CERTIFICATION NUMBER: 7758

Gregory A. Coffee

SIGNATURE OF PERSON CONDUCTING TEST

FACILITY NAME: Chamblissburg Supply

DATE OF TEST: 10/21/2016

CONTINUITY TEST

Tank No.	FILL RISER	TANK BOTTOM	STP RISER	VENT RISER	FLEX CONNECTOR	PIPING RISER	(CONTINUOUS, ISOLATED)
1	.002	.000	N/A	.000	N/A	.000	CONTINUOUS
2	.001	.000	N/A	.000	N/A	.001	CONTINUOUS
3	.003	.001	N/A	.000	N/A	.001	CONTINUOUS
4	.002	LINED	N/A	.000	N/A	.001	CONTINUOUS
5	.022	.000	N/A	.002	N/A	.002	CONTINUOUS
6	.053	.000	N/A	.002	N/A	.002	CONTINUOUS
7							
8							

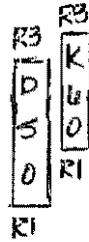
IN THE SPACE BELOW, SKETCH THE IMPORTANT PARTS OF THE FACILITY SUCH AS TANKS, MAN WAYS, VENTS, ANODES, PUMP ISLANDS AND BUILDINGS. INDICATE REFERENCE CELL LOCATIONS USING LOCATION CODE "R" AND SEQUENTIAL NUMBERS (R1, R2, AND R3).

COMMENTS

There are 8 anodes installed and all are functioning. All 6 tanks are continuous to the system and pass by meeting the -850mv instant off criteria for corrosion prevention.

Vol.
Fire

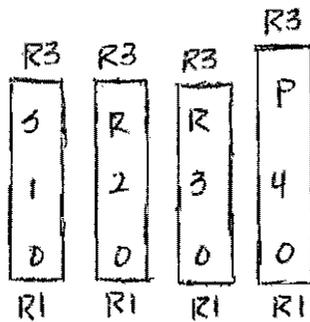
Chamblissburg Supply



- O - Fill Riser
- R - Regular
- P - Plus
- S - Super
- D - Diesel
- K - Kerosene
- III, II - Vents
- Dispenser

Rectifier Info:

Model - JSAYSL 80-8 N
 Serial - 95UT3745
 DC Output: 80 Volts
 8 Amps
 Tap Settings: Fine - 5
 Coarse - D



STOP IN-TANK LEAK TEST
T 1:PREMIUM
MAY 30. 2017 2:30 AM

CHAMBLISSBURG SUPPLY
10625 STEWARTSVILLE
VINTON.VA 24179
540 890 3964

MAY 30. 2017 2:30 AM

LEAK TEST REPORT

T 1:PREMIUM
PROBE SERIAL NUM 639781

TEST STARTING TIME:
MAY 30. 2017 12:30 AM

TEST LENGTH = 2.0 HRS
STRT VOLUME = 1409.0 GAL

LEAK TEST RESULTS
0.20 GAL/HR TEST PASS

***** END *****

STOP IN-TANK LEAK TEST
T 2:UNLEADED 2
JUN 13. 2017 2:30 AM

CHAMBLISSBURG SUPPLY
10625 STEWARTSVILLE
VINTON.VA 24179
540 890 3964

JUN 13. 2017 2:30 AM

LEAK TEST REPORT

T 2:UNLEADED 2
PROBE SERIAL NUM 639782

TEST STARTING TIME:
JUN 13. 2017 12:30 AM

TEST LENGTH = 2.0 HRS
STRT VOLUME = 1822.9 GAL

LEAK TEST RESULTS
0.20 GAL/HR TEST PASS

***** END *****

STOP IN-TANK LEAK TEST
T 3:UNLEADED 1
JUN 13. 2017 2:30 AM

CHAMBLISSBURG SUPPLY
10625 STEWARTSVILLE
VINTON.VA 24179
540 890 3964

JUN 13. 2017 2:30 AM

LEAK TEST REPORT

T 3:UNLEADED 1
PROBE SERIAL NUM 639783

TEST STARTING TIME:
JUN 13. 2017 12:30 AM

TEST LENGTH = 2.0 HRS
STRT VOLUME = 2438.0 GAL

LEAK TEST RESULTS
0.20 GAL/HR TEST PASS

***** END *****

STOP IN-TANK LEAK TEST
T 4:PLUS
JUN 13. 2017 2:30 AM

CHAMBLISSBURG SUPPLY
10625 STEWARTSVILLE
VINTON.VA 24179
540 890 3964

JUN 13. 2017 2:30 AM

LEAK TEST REPORT

T 4:PLUS
PROBE SERIAL NUM 640639

TEST STARTING TIME:
JUN 13. 2017 12:30 AM

TEST LENGTH = 2.0 HRS
STRT VOLUME = 1455.3 GAL

LEAK TEST RESULTS
0.20 GAL/HR TEST PASS

***** END *****

STOP IN-TANK LEAK TEST
T 5:DIESEL
JUN 13. 2017 2:30 AM

CHAMBLISSBURG SUPPLY
10625 STEWARTSVILLE
VINTON.VA 24179
540 890 3964

JUN 13. 2017 2:30 AM

LEAK TEST REPORT

T 5:DIESEL
PROBE SERIAL NUM 640638

TEST STARTING TIME:
JUN 13. 2017 12:30 AM

TEST LENGTH = 2.0 HRS
STRT VOLUME = 381.9 GAL

LEAK TEST RESULTS
0.20 GAL/HR TEST PASS

***** END *****

STOP IN-TANK LEAK TEST
T 6:KEROSENE
JUN 13. 2017 2:30 AM

CHAMBLISSBURG SUPPLY
10625 STEWARTSVILLE
VINTON.VA 24179
540 890 3964

JUN 13. 2017 2:30 AM

LEAK TEST REPORT

T 6:KEROSENE
PROBE SERIAL NUM 640637

TEST STARTING TIME:
JUN 13. 2017 12:30 AM

TEST LENGTH = 2.0 HRS
STRT VOLUME = 429.4 GAL

LEAK TEST RESULTS
0.20 GAL/HR TEST PASS

***** END *****