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November 09, 2015

Ms. Carol Crooks

South Carolina Department of Health & Environmental Control

Bureau of Land and Waste Management

2600 Bull Street

Columbia, South Carolina 29201

Re: Supplemental Remedial Investigation (RI) Report (VCC Contract # 13-6078-RP; Itron Site, Greenwood County)

Dear Ms. Crooks:

Enclosed are two (2) copies of the Supplemental RI Report for the above referenced site prepared by URS and one digital copy on a CD. We are pleased that with this report we have been able to completely delineate the plume and address comments in your March 05, 2015 letter following the RI report submitted in October 2015.

If you have any questions, do not hesitate to contact me at 510-844-2882 or email me at pad.kemmanahalli@Itron.com

Sincerely,

Pad Kemmanahalli

Corporate Senior Director HSE & Sustainability

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Endorsement Page

This Supplemental Remedial Investigation (SRI) Report was prepared under my direction or supervision in accordance with a system designed such that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

James Narkunas, P.G.
SC License No. 385

11/5/15
Date

JAMES NARKUNAS REGISTERED 385 SOUTH CAROLINA PROFESSIONAL GEOLOGIST

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FIGURES

APPENDICES

List of Acronyms

BDL – below detection limits

bgs – below ground surface

cm/sec – centimeters per second

cDCE – cis-1,2-Dichloroethene

COCs – chemicals of concern

CSM – Conceptual Site Model

DNAPL – dense non-aqueous phase liquid

DO – dissolved oxygen

EPA – Environmental Protection Agency

ESA – environmental site assessment

IDW – investigative derived waste

MCL – maximum contaminant level

mg/kg – milligrams per kilogram

MSL – mean sea level

ORP – oxidation reduction potential

PAHs – polynuclear aromatic hydrocarbons

PCE – tetrachloroethene

PID – photoionization detector

PPM – parts per million

PSL – preliminary screening level

PVC – polyvinyl chloride

QA/QC – quality assurance/quality control

QAPP – quality assurance project plan

RBCA – risk-based corrective action

RBSL – risk-based screening level

RI – remedial investigation

RPVCC – responsible party voluntary cleanup contract

RSL – regional screening level

SCDHEC – South Carolina Department of Health and Environmental Control

SES – Shealy Environmental Services, Inc.

SSL – soil screening level

SRI – supplemental remedial investigation

TCE - trichloroethene

µg/L – micrograms per liter

USCS – Unified Soil Classification System

USDA – United States Department of Agriculture

USGS – United States Geological Survey

UST – underground storage tank

VC – vinyl chloride

VOCs – volatile organic compounds

EXECUTIVE SUMMARY

A Supplemental Remedial Investigation (SRI) was conducted at the Itron, Inc. (Itron) facility located at 1310 Emerald Road in Greenwood, South Carolina (the "Site") in July 2015 as a follow-up investigation to further delineate the horizontal and vertical extent of chlorinated solvents, primarily tetrachloroethene (PCE), in Site groundwater. The work was conducted per the request of the South Carolina Department of Health and Environmental Control (SCDHEC) in a letter dated March 3, 2015, which contained comments on the Remedial Investigation (RI) Report submitted to the department in October 2014 (URS 2014). A Supplemental Work Plan for Continued Groundwater Investigation was submitted to SCDHEC on April 27, 2015 (URS, 2015) and subsequently approved by the department in a letter dated May 14, 2015 (SCDHEC, 2015). All assessment work at the site is being performed in conjunction with a Responsible Party Voluntary Cleanup Contract (RPVCC) 13-6078-RP entered into by Itron and SCDHEC on October 2, 2013.

The Site occupies approximately 24 acres in a mixed-use area of Greenwood County, approximately 3 miles northeast of the town of Greenwood and is developed with a 130,000 square-foot building (the "Building") used to manufacture flow meters for industrial and municipal purposes.

There are no perennial surface water features or wetlands located at the Site. Wilson Creek is located approximately ½ mile south of the Site and two intermittent streams that are unnamed tributaries to Wilson Creek are located east and west of the Site.

The collective results of previous investigations have indicated the presence of three potential source areas including the steel sump area located on the southeast side of the Building, the cardboard storage room located east of the Building, and an area near the northeast corner of the Building where four underground storage tanks (USTs) and a gasoline dispenser were formerly located. PCE is the primary chemical of concern (COC) at the Site while lower concentrations of degradation products [i.e.

trichloroethene [TCE] and cis-1,2-dichloroethene (cDCE)] were also detected. PCE exceeded preliminary screening levels (PSLs) in soil and groundwater samples collected from all three source areas, with the highest concentrations being detected in the vicinity of the steel sump and cardboard storage room areas. Although ancillary in nature, in comparison to PCE detected at the Site, petroleum hydrocarbons and polynuclear aromatic hydrocarbons (PAHs) were also detected.

Groundwater samples collected from 22 groundwater monitoring wells during RI activities in June 2014, indicated that PCE concentrations in 12 of the sampled wells exceeded the maximum contaminant level (MCL) of 5 micrograms per liter (µg/L). The highest PCE concentration (97,000 µg/L) was detected in a sample from well MW-7 which is located in the steel sump area. Impacts in the shallow groundwater extend at least 500 feet downgradient of the source area. The orientation of the plume is generally consistent with the easterly and southeasterly flow of groundwater across the Site.

During a previous investigation, four monitoring wells were installed at greater depths to assess the vertical extent of the PCE plume. In comparison to the results in the shallower wells, concentrations in the deeper wells are several orders of magnitude lower, most likely due to the low permeability of soils and upward hydraulic gradients at some locations.

To further assess the distribution of COCs in groundwater at the Site, the following scope of work was conducted during the SRI:

- Monitoring well MW-10R was installed to replace well MW-10, which was constructed differently than the other wells;

- Intermediate depth well MW-10I was clustered with MW-10R and MW-10D to assess the groundwater chemistry in the interval between MW-10R and MW-10D;

- Monitoring well MW-15R was installed to replace MW-15, which was determined to be too shallow;

- Wells MW-19, MW-20 and MW-21 were installed to assess the horizontal distribution of PCE in groundwater near the property line, south, west and east of the source areas, respectively.

- Deep monitoring well MW-22D was installed to assess the vertical distribution of PCE near the east property boundary of the Site.

- Additional field activities conducted during the SRI included collecting groundwater samples from 27 monitoring wells and analyzing them for volatile organic compounds (VOCs). In addition, the groundwater samples collected from monitoring well MW-3 were also analyzed for polynuclear aromatic hydrocarbons (PAHs) due to past detections of naphthalene at concentrations above the PSL.

Relatively low concentrations of PCE detected in the shallow downgradient wells, south and west of the source areas, indicate PCE has not migrated off-site in the upper regolith. PCE (360 µg/L) was detected in newly installed monitoring well MW-20, located near the east property boundary, at an intermediate depth within the regolith.

PCE concentrations are significantly lower in the deeper portion of the regolith. Concentrations in the deeper wells are below the MCL for PCE with the exception of well MW-16D, which exhibited a PCE concentration of 30 µg/L. Well MW-16D is centrally located on the Site.

1.0 INTRODUCTION

1.1 Overview

This report presents the results of the SRI conducted for the Itron Inc. (Itron) facility located at 1310 Emerald Road in Greenwood, South Carolina, hereafter known as the "Site" (Figure 1). Previous environmental investigations conducted at the Site between 2011 and 2013 (URS, 2013a) detected PCE and other hazardous substances in soil and groundwater at concentrations exceeding applicable screening levels. A summary of the previous investigations is provided in Table 1. Due to the nature and extent of the contamination encountered, Itron and SCDHEC entered into a RPVCC 13-6078-RP, dated October 2, 2013, which required Itron to complete a Remedial Investigation (RI). Following review of the RI report, SCDHEC requested a work plan to complete the groundwater investigation portion of the RI in a letter dated March 3, 2015. A Supplemental Work Plan for Continued Groundwater Investigation was submitted to SCDHEC on April 27, 2015 (URS, 2015) and subsequently approved by the department in a letter dated May 14, 2015 (SCDHEC, 2015).

1.2 Purpose of the SRI

The primary objectives of the investigation were to:

- Install additional groundwater monitoring wells to define the extent of chemicals of concern (COCs) in groundwater;
- Replace well MW-10 with a new well that is constructed in a manner similar to other Site wells;
- Install a deeper well adjacent to well MW-10 to refine the understanding of this area of the Site and monitor contaminant transport; and
- Replace well MW-15, which barely intercepts the water table, with a deeper well screened further into the water table.

This SRI Report present the results of the additional groundwater investigation in combination with the relevant data obtained during previous investigations. The report

includes an update of the site geological and hydrogeological conditions, and the Conceptual Site Model (CSM).

1.3 Report Organization

The remainder of this report is organized as follows:

Section 2 summarizes the Site background including site description, site history and previous investigations.

Section 3 describes the methods and procedures used during SRI field activities.

Section 4 describes site geology, hydrogeology and hydrostratigraphic units in addition to groundwater occurrence and movement.

Section 5 describes the nature and extent of contamination identified on the Site. Applicable screening criteria for soil and groundwater are documented and compared to concentrations of various COCs identified in soil and groundwater at the Site.

Section 6 includes the conclusions developed based on the data obtained during the SRI.

Section 7 includes references utilized in the preparation of this SRI Report.

Tables and figures are included in separate sections following Section 7. Nine appendices (A through I) follow the figures and provide supporting information.

2.0 SITE BACKGROUND

2.1 Site Description

The Site currently consists of a 130,000 square-foot building (the "Building") on a 24.04-acre parcel of property located at 1310 Emerald Road, Greenwood, South Carolina. The facility manufactures flow meters for industrial and municipal uses. As part of the manufacturing process, the facility stores pre-formed brass, stainless steel, steel and aluminum parts on site. Additional materials manufactured at the facility include electronic circuit boards, wiring, casings and other smaller components. A site vicinity map is included as Figure 2 which identifies the approximate property boundary of the Site, surrounding properties, roads and streets, streams, ponds, nearby potential private water supply wells and a railroad line. Features at the Site include office space, a parking area, production areas, loading docks, an oil-water separator, a maintenance shop and shipping and receiving areas.

2.2 Site History

Prior to 1972, the Site was reportedly used for agricultural purposes. The current Building was constructed in 1972 for flow meter manufacturing by Neptune Carolina, Inc. In April 1972, Neptune Carolina, Inc. transferred ownership of the property to Greenwood County. While the property was owned by Greenwood County for nearly 30 years, flow meter manufacturing continued under the operation of Allied Signal, Wheelabrator Frye and Schlumberger Industries. In September 2001, the ownership of the property reverted from Greenwood County to Schlumberger Industries. Schlumberger transferred ownership of the Site to Actaris U.S. Liquid Measurement on October 26, 2001. Itron, Inc. acquired Actaris in 2008. In 2012, Itron sold the operations at the facility (i.e., Itron's Liquid Measurement Business) to Measurement Technology Group, Inc., which is now doing business at the facility as Red Seal Measurement. Itron is currently leasing the facility to Red Seal Measurement, and retained ownership of the Building and the property.

2.3 Previous Investigations

An overview of the scope of work completed during previous phases of investigations at the Site is included on Table 1. Qualitative summaries of the investigation results are also included.

The collective results of previous investigations has indicated the presence of three potential source areas including the steel sump area located on the southeast side of the Building, the cardboard storage room area located east of the Building, and an area near the northeast corner of the Building where four underground storage tanks (USTs) and a gasoline dispenser were formerly located. PCE is the primary COC at the Site while lower concentrations of degradation products [i.e. TCE and cis-1,2-dichloroethene (cDCE)] were also detected. PCE exceeded PSLs in soil and groundwater samples collected from all three source areas, with the highest concentrations being detected in the vicinity of the steel sump and cardboard storage room areas. Although ancillary in nature, in comparison to PCE detected at the Site, petroleum hydrocarbons and polynuclear aromatic hydrocarbons (PAHs) were also detected.

Groundwater samples collected from 22 groundwater monitoring wells during RI activities in June 2014, indicated that PCE concentrations in 12 of the sampled wells exceeded the maximum contaminant level (MCL) of 5 micrograms per liter (µg/L). The highest PCE concentration (97,000 µg/L) was detected in a sample from well MW-7 which is located in the steel sump area. Impacts in the shallow groundwater extend at least 500 feet downgradient of the source area. The orientation of the plume in the shallow regolith is generally consistent with the easterly and southeasterly flow of groundwater across the Site. Sample results in the four deeper wells were several orders of magnitude lower than the shallow wells, most likely due to the low permeability of soils and upward hydraulic gradients at some locations.

3.0 SUPPLEMENTAL REMEDIAL INVESTIGATION FIELD ACTIVITIES

This section describes field activities that were implemented during the SRI. The activities were performed according to the technical approach described in the Supplemental Work Plan for Continued Groundwater Investigation (URS, 2015) and the methods and procedures described in the RI Work Plan (URS, 2013a). Field activities also conformed to the procedures discussed in the Site health and safety plan (URS, 2013b). Photographs of field activities are included in Appendix A. No significant deviations from the plans were made during SRI field activities.

Table 2 is a chronological summary of the field activities that describes the work performed and its purpose. The table also identifies the newly installed monitoring wells and various field screening methods and procedures.

For all phases of field activities, sampling and screening equipment were calibrated according to the manufacturer's instructions prior to use each day, and throughout the day as necessary. In addition, non-disposable equipment was decontaminated with a Liquinox® soap solution and rinsed with distilled water before use at each sampling point or location. Drilling tools were first cleaned by scrubbing to remove the larger amounts of soil residues followed by the application of heated wash-water through a high pressure jet.

3.1 RotoSonic Drilling, Soil Sampling and Monitoring Well Installation

AECOM retained Terrasonic International (Terrasonic), a licensed well drilling contractor from Aiken, South Carolina to install five shallow monitoring wells (MW-10R, MW-15R, MW-19, MW-20 and MW-21), one intermediate monitoring well (MW-10I) and one deep monitoring well (MW-22D). A track-mounted rotosonic drilling rig was used to advance the borings. The well installation was completed between July 13 and 17, 2015. Monitoring well locations are shown on Figure 3.

During drilling, soil was collected for field screening purposes and potential chemical analysis. The drill core was continuously logged to select the more permeable units for well screen placement and the soil was screened for VOCs using a photo-ionization detector

(PID). Soil descriptions and PID screening results are included on the monitoring well logs in Appendix B. South Carolina water well records (Form 1903) and the monitoring well approval from SCDHEC are included in Appendix C.

The criteria for collecting soil samples during monitoring well installation was documented in the Supplemental Work Plan (URS, 2015). Soil recovered from each borehole was screened every 5 feet using a PID. If a PID reading greater than 100 parts per million (ppm) was measured during the soil screening process, then screening was conducted every 1-foot until the readings decreased below 100 ppm. If PID readings exceeded 100 ppm, then the soil sample exhibiting the highest PID reading was collected and analyzed for VOCs by EPA Method 5035A/8260B as described in Section 7.2.1 and Appendix B Field Sampling and Analysis Plan (FSAP) of the RI work plan (URS 2013a). A single soil sample collected from well MW-10I was submitted to the laboratory and was analyzed for VOCs by EPA Method 8260B.

Upon reaching the target drilling depth, as determined from the lithology encountered, a two-inch diameter polyvinyl chloride (PVC) monitoring well was installed at each of the monitoring well locations. Well construction information is included on the monitoring well logs in Appendix B and SCDHEC water well records in Appendix C. Construction information for the new and pre-existing wells is also summarized in Table 3.

Subsequently, the location and measuring point elevation of each monitoring well was determined by a licensed surveyor. The locations of all monitoring wells are depicted on Figure 3 and the surveyor's report for the newly installed wells is included in Appendix D.

3.2 Monitoring Well Development

All newly installed monitoring wells (MW-10R, MW-10I, MW-15R, MW-19, MW-20, MW-21 and MW-22D) were developed on July 22 and 23, 2015 by alternately pumping and surging each well. Development continued until the pump discharge was clear or until further improvement in the turbidity of the discharge water was no longer feasible. Likely due to the low permeability soils identified across the Site, monitoring wells MW-10R and MW-21

pumped dry numerous times during the development process. Although turbidity improved during the development process, neither well produced a large amount of water. Groundwater quality parameters such as pH, oxidation reduction potential (ORP), specific conductivity, dissolved oxygen (DO), temperature and turbidity were monitored and recorded on well development logs that are included in Appendix E.

3.3 Groundwater Monitoring

Groundwater monitoring was performed on July 28 and 29, 2015 and included collecting water samples from 27 monitoring wells (MW-1 through MW-9, MW-10R, MW-10I, MW-11 through MW-14, MW-15R, MW-16 through MW-21 plus MW-5D, MW-9D, MW-10D, MW-16D and MW-22D). The monitoring well locations are shown on Figure 3 and monitoring well construction details are summarized in Table 3. Prior to sample collection, water levels in the monitoring wells were measured with an electronic water level meter. Water levels measured in the wells on July 28, 2015 are summarized in Table 4.

In preparing for sampling, wells were purged following low-flow/minimal drawdown sampling procedures. A low-flow submersible pump fitted with new polyethylene tubing was utilized. The pump discharged to an in-line water quality meter that monitored field parameters until they stabilized indicating that sampling could commence. Groundwater sampling logs are included in Appendix F. Prior to collection of the samples, the dedicated tubing for each well was disconnected from the water quality meter. Samples were then collected in preserved, laboratory-provided bottles, labeled with unique sample identifiers, logged on a chain-of-custody record and stored on wet ice in a cooler until transported to Shealy Environmental Services, Inc. (SES). Field and QA/QC samples submitted for fixed laboratory chemical analysis, the specific analyses requested, and the analytical methods used are identified in the data quality review memoranda included in Appendix G. All groundwater samples were analyzed for VOCs by EPA Method 8260B. The sample from MW-3 was also analyzed for PAHs by EPA Method 8270D.

3.4 Investigative Derived Waste (IDW) Management

Field activities conducted as part of the SRI resulted in the generation of IDW in the form of soil cuttings, decontamination fluids, monitoring well development and purge waters. All IDW was stored in 55-gallon drums, labeled with a "pending analysis" label including date of generation, generator name, monitoring well numbers, type of media and contact information for AECOM. All drums were staged at a designated location on site. A total of 26 drums (8 soil and 18 liquid) were removed from the Site by Univar USA, Inc. and disposed of offsite at permitted disposal facilities as hazardous waste. Waste manifests are provided in Appendix H.

4.0 SITE GEOLOGY AND HYDROGEOLOGY

This section describes geological and hydrogeological conditions at the site. The description is based on borings and wells drilled during the RI as well as those drilled during earlier investigations. Drilling information is supplemented by hydraulic head data and hydraulic conductivity data collected during well gauging and slug testing, respectively. Overall, geologic and hydrogeologic conditions observed or measured during the SRI were consistent with the results of previous investigations.

The locations of geologic cross-section lines prepared for the SRI are shown on Figure 4. Corresponding geologic cross sections E-E', F-F', G-G', H-H', I-I', and J-J' showing the generalized lithology across the site are included in this report as Figures 5 through 10, respectively. Geologic cross sections A-A' through D-D' were prepared following the completion of the RI and are included in the RI report (URS, 2014).

4.1 Site Geology

The Site is located on the south slope of a southeast – northwest trending ridge with the center of the Site at an approximate elevation of 550 feet above MSL (Figure 1). The axis of the ridge slopes downward from the Site for approximately one-half mile to Wilson Creek, an eastward flowing perennial stream, where the elevation is approximately 470 feet msl. Two, intermittent, unnamed tributaries (UT) to Wilson Creek flow southeastward within moderately incised ravines located approximately 500 feet east of, and approximately 2,100 feet west of the Site.

The predominant soils at the Site are mapped as Cecil sandy loam and Cecil sandy clay loam, each occurring on slopes of 2 to 6 percent and 6 to 10 percent [United States Department of Agriculture (USDA), 2014]. These soils are approximately equivalent to silty sand (SM) and clayey sand (SC), respectively in the Unified Soil Classification System (USCS). Cecil series soils are formed in the residuum of felsic, igneous, and high-grade metamorphic rocks and typically occur on ridges and the sides of upland slopes. The soils are well drained and exhibit a moderately high to high capacity to transmit water.

The Site is located in the Southern Appalachian Piedmont physiographic province within the Charlotte thrust sheet. As shown on the cross-sections (see Figures 5 through 10), three geologic units have been identified beneath the soil layer. They are near-surface fill, most likely placed during site development; the regolith, which is composed entirely of saprolite at the Site; and the underlying bedrock.

Based on the Geologic Map of the Greenville 1X2 Quadrangle, Georgia, South Carolina, and North Carolina (Nelson et al., 1998), bedrock underlying the Site is granitic to dioritic gneiss of Mississippian age. The gneiss is light to dark gray, medium to coarse-grained, with xenomorphic granular to porphyritic texture, and contains varying amounts of quartz, plagioclase, biotite, hornblende, epidote, titanite, and zircon.

Micaceous silt and sandy silt are the principal components of the regolith underlying the Site. Interlayered with the silts are lesser amounts of silty sand and sand. The layering appears to alternate randomly suggesting a high degree of variation over short distances, examples of which are evident in the lithologic descriptions of boring logs for wells installed in clusters. The silty sand and sand occur most commonly in relatively thin, nearly flat-lying seams and layers that typically are between one and five feet thick but occasionally exceed ten feet in thickness. Minor amounts of sandy clay and clay are also present, but are rare.

The color of the regolith varies widely across the Site. Generally, however, the silts are brown to reddish brown east of the Building and some variation of brown, gray, or olive south of the Building and in the central part of the property. Throughout the Site, the sands are typically white in color but, occasionally, may be light gray or light brown. Clays, like the silts, typically exhibit some variation of brown, gray, or olive.

The thickness of the regolith is a function of the depth to bedrock and is highly variable ranging from approximately 24 feet near the northern corner of the Building to approximately 105 feet at well MW-5D (see Figure 9). The collective soil boring data suggest that the bedrock surface attains a maximum elevation near the northeast corner of

the Building and, consequently, the regolith thickness is lowest here. Inspection of this area on earlier topographic maps indicates that grading performed during plant construction removed as much as 10 feet of the regolith.

4.2 Site Hydrogeology

Groundwater at the Site occurs within a two-layer system that includes the regolith and the underlying bedrock as component hydrostratigraphic units. The regolith, which is directly connected to fractures in the bedrock, serves as a reservoir that provides water to the fractured bedrock. Groundwater is unconfined with the water table located within the regolith beneath most of the Site. However, near the northeast corner of the Building, where the top of bedrock appears shallowest, the regolith is dry and the water table occurs in the bedrock.

As seen in Table 4, the water table is generally between 15 and 35 feet below land surface. Potentiometric surface contour maps based on July 28, 2015 depth-to-water measurements (summarized in Table 4) are depicted on Figures 11 and 12, and illustrate the potentiometric surface in the upper and lower parts of the regolith, respectively. Both maps show that groundwater flow across the Site is primarily to the east and southeast toward the UT to Wilson Creek located approximately 500 feet east of the Site. The water-level contours also suggest a flow component toward the east in the area north of monitoring well MW-7. This interpretation is in general agreement with historical interpretations of groundwater flow. It also agrees with the principal joint direction in bedrock estimated from the orientation of stream channels in the area. However, as discussed in the RI report, PCE migration also exhibits a southerly component suggesting that the actual groundwater flow direction may vary from that interpreted from the water-level measurements.

At the time of sampling, the average horizontal hydraulic gradient in the upper regolith was 0.032feet per foot (ft/ft). The gradient varied with location ranging from 0.021 near the western property line south of well MW-12, increasing to 0.051 east of the Building. The

horizontal hydraulic gradient in the lower part of the regolith also varied with location at the time of sampling ranging from 0.025 east of well MW-10D to 0.040 north of well MW-22D. The horizontal hydraulic gradient in the lower part of the regolith averaged 0.01.

The K value of the regolith, which is a function of the degree of weathering, is notably consistent and occurs over a relatively narrow range of values. The results of multiple rising-head and falling-head slug tests performed during the RI range from 1.3E-05 centimeters per second (cm/sec) at well MW-5D to 4.1E-04 cm/sec at well MW-16D. Average K values for silt, silt and clay, and silty sand are 5.3E-05, 5.7E-05, and 1.0E-04 cm/sec, respectively. These values are consistent with values cited in the literature for clayey sand, silt, silty sand, and fine sand (Fetter, 1980) but are lower (by less than an order-of-magnitude) than K attributed to saprolite in the Piedmont region by Heath (1980).

Average groundwater velocity in the upper regolith was approximately 19 feet per year, based on a gradient of 0.038 between the source areas and well MW-13, an effective porosity of 0.2, and a K of 1.0E-04 cm/sec or 0.28 feet/day. This K value is characteristic of the silty sands at the Site through which groundwater would be expected to flow preferentially.

Vertical hydraulic gradients are summarized in Table 5 and indicate that upward gradients were measured at wells MW-5D and MW-9D and downward gradients were measured at MW-10D and MW-16D. These results are consistent with those observed during the RI. As noted in the RI report, the upward gradients were unexpected as the Site appears to be located on an interfluve, which typically is a groundwater recharge area and characterized by downward gradients throughout. However, the data suggest that while downward gradients occur in the central part of the facility, areas located farther east may be influenced by the UT to Wilson Creek. Installation of an intermediate well at the MW-10R/10D pair, revealed that the gradient from the intermediate interval is both upward and downward. Although unusual in occurrence it is not unheard of and may reflect the different soil textures that the wells are screened in.

Consistent with the slope aquifer concept described in the RI report, the groundwater flow regime occurs within a closely-spaced stream network. Water enters the system on interfluvial recharge areas, percolates to the saturated zone, where it flows toward the streams and discharges as baseflow. Consequently, groundwater flow paths through the Site are relatively short. They are restricted to the area of the slope extending from the ridge top northwest of the Site to Wilson Creek, a distance of approximately 9,000 feet. Flow path length from the Site to Wilson Creek is approximately 3,000 feet. The lateral extent, along the topographic slope, is bounded by a perennial tributary to Wilson Creek located approximately 4,000 feet west of the Site and Coronaca Creek located approximately 6,100 feet east of the Site. However, if the upward hydraulic gradients measured at wells MW-5D and MW-9D are due to groundwater discharging to the UT located east of the Site, the location of the eastern boundary of the groundwater compartment is reduced to only 500 feet from the Site.

5.0 NATURE AND EXTENT OF CONTAMINATION

This section describes the nature and extent of contamination detected in soil and groundwater at the Site. The data presented in this section and the associated discussion include results from the SRI in addition to previous phases of investigation at the Site completed by URS in 2011, 2012 and 2014 (URS, 2012a; URS, 2012c; URS, 2012d; URS 2014). The soil and groundwater samples collected during the SRI were analyzed by Shealy Environmental Services (SES) in accordance with the methods described in the quality assurance project plan (QAPP) (URS, 2013a). The analytical laboratory reports for the samples collected during the SRI are included in Appendix I.

Data collected during the SRI were validated in accordance with the procedures discussed in the Supplemental Work Plan (URS, 2015) and outlined in the QAPP (URS, 2013a). Data quality review memoranda are included in Appendix D. Groundwater analytical results of constituents detected during the SRI and previous phases of investigation are summarized in Table 6. The results presented in this table include data qualifiers added during the data quality review. As described in more detail in the data quality review memoranda, the data as qualified are considered useable for meeting project objectives.

5.1 Chemicals of Concern (COCs)

This section identifies the screening criteria for COCs that have been detected in soil and groundwater during SRI activities and previous phases of investigation at the Site. Analytical results for VOC and PAH analyses were compared to the preliminary screening levels (PSLs) for soil and groundwater. The PSLs, developed as part of the RI Work Plan (URS, 2013a), consider potentially applicable pathways including direct contact (i.e., ingestion, dermal contact, and inhalation) and cross-media transfer pathways (i.e., leaching to groundwater) and different land use scenarios (i.e., residential and industrial). VOCs and PAHs that exceed the PSLs are considered to be COCs at the Site.

The PSLs are based on the EPA's Region IV Regional Screening Levels (RSLs) (EPA, 2015) and risk-based screening levels (RBSLs) developed by SCDHEC (2001). PSLs for soil and

groundwater are included in the RI Report (URS, 2014). Results from the SRI and previous investigations are described in the context of these screening levels later in this section of the SRI Report.

5.1.1 Soil

Three potentially applicable soil screening levels (SSLs) are included in the EPA RSLs: 1) MCL-based for Protection of Groundwater SSLs; 2) Resident Soil SSLs; and 3) Industrial Soil SSLs (EPA, 2015). Other potentially applicable SSLs are the RBSLs listed in the SCDHEC's Risk-Based Corrective Action (RBCA) guidance document (SCDHEC, 2001). Based on comparison of the soil analytical results to the SSLs, the following COCs have been identified in soil at the Site:

- PCE
- TCE
- cDCE
- 1,1-Dichloroethene
- 1,1,2-Trichloroethane
- Dibromochloromethane
- Methylene Chloride
- Naphthalene
- Ethylbenzene
- Xylenes
- Benzo(a)pyrene
- Benzo(b)fluoranthene

5.1.2 Groundwater

The screening levels for groundwater are based on the EPA's Region IV MCLs, which are based on National Primary Drinking Water Standards (EPA, 2015) and the RBSLs, established by SCDHEC and listed in the RBCA guidance document (SCDHEC, 2001). Based on comparison of the groundwater analytical results to the MCLs and RBSLs, the following

COCs that have been identified in groundwater at the Site:

- PCE
- TCE
- cDCE
- Benzene
- Naphthalene
- 1,2-Dichloropropane
- Vinyl Chloride

5.2 Soil Results

As part of the SRI, a single soil sample was collected from 49 to 50 feet bgs from the boring of groundwater monitoring well MW-10I. PCE was detected in the soil sample at a concentration of 0.17 milligrams per kilogram (mg/kg), which exceeds the protection of groundwater SSL of 0.0023 mg/kg.

5.3 Groundwater Results

For the SRI, groundwater samples were collected from monitoring wells MW-1 through MW-9, MW-10R, MW-10I, MW-11 through MW-14, MW-15R, MW-16 through MW-21, MW-5D, MW-9D, MW-10D, MW-16D and MW-22D. All samples were analyzed for VOCs and the sample from well MW-3 was also analyzed for PAHs. Groundwater analytical results are summarized in Table 6 and on Figures 11 and 12.

VOCs and/or PAHs were detected in 26 of the 27 groundwater monitoring wells sampled. Detected compounds included PCE, TCE, cDCE, and benzene. Results exceeding the MCL and RBSL are listed below:

- Concentrations of PCE exceeding the EPA MCL of 5 µg/l were detected in wells MW-1 (7.7 µg/L), MW-3 (13 µg/L), MW-5 (4,000 µg/L), MW-6 (9,600 µg/L), MW-7 (100,000 µg/L), MW-8 (20,000 µg/L), MW-10R (2,900 µg/L), MW-10I (15,000 µg /L), MW-12 (4,800 µg/L), MW-14 (150 µg/L), MW-16 (110 µg/L), MW-17 (690 µg/L),

MW-20 (360 µg/L) and MW-16D (30 µg/L).

- The TCE concentrations in monitoring wells MW-5 (10 µg/L) and MW-17 (8.3 µg/L) exceeded the MCL of 5 µg/L.
- The cDCE concentrations in monitoring wells MW-3 (280 µg/L) and MW-5D (130 µg/L) exceeded the MCL of 70 µg/L.
- Benzene was detected in MW-3 at a concentration of 10 µg/L, which exceeded the MCL of 5 µg/L.
- Naphthalene was detected at well MW-3 at a concentration of 190 µg/L which exceeded the RBSL of 25 µg/L. There is no established MCL for naphthalene.

6.0 CONCLUSIONS

Presented below are conclusions based on an evaluation of data collected during previous investigations and the recently conducted SRI field activities.

6.1 Summary of Groundwater Data

Groundwater analytical data indicates that the MCL of 5 µg/L for PCE was exceeded in 14 of the 27 groundwater monitoring wells sampled during recent SRI field activities. PCE degradation products including TCE, cDCE were detected at concentrations exceeding MCLs in 4 of the 27 wells. Benzene and naphthalene exceeded the MCL or RBSL in one well, which was MW-3.

The steel sump source area had the most significant impact of PCE in the shallow zone with a concentration of 100,000 µg/L at MW-7. Nearby wells MW-6 and MW-8 had PCE concentrations of 9,600 µg/L and 20,000 µg/L, respectively. Monitoring wells MW-10I, MW-10R and MW-14, all located more than 400 feet south of the steel sump area, had PCE concentrations of 15,000 µg/L, 2,900 µg/L and 150 µg/L, respectively. PCE was not detected above the reporting limit in well MW-15R, located near the south property boundary of the Site and the PCE concentrations in well MW-19 near the southwest corner of the Site was below the MCL, indicating the plume is well defined in this direction. The western edge of the PCE plume also appears to be well defined with detections in wells MW-11, MW-18, and MW-21 all below the MCL.

Based on the detected PCE concentrations in monitoring wells MW-5, MW-12 and MW-20 of 4,000 µg/L, 4,800 µg/L and 360 µg/L, respectively, the impacts in the shallow and intermediate zones are migrating from the cardboard storage room area and potentially the steel sump source area toward the east property boundary. Monitoring well MW-20 is located approximately 50 feet from the east property boundary. Monitoring well MW-17, located beneath the Building on the Site had a PCE concentration of 690 µg/L, which is likely attributed to releases at the cardboard storage room source area.

Benzene and naphthalene were detected in monitoring well MW-3 located near the UST source area. Both constituents exceeded PSLs. Benzene was detected at a concentration of 10 µg/L, which exceeded the MCL of 5 µg/L and naphthalene was detected at a concentration of 190 µg/L, which exceeded the RBSL of 25 µg/L.

The groundwater data from the five deep monitoring wells on the Site indicates that PCE impacts are primarily confined to the wells screened in the shallow and intermediate zones of the aquifer. Monitoring well MW-16D, located approximately 150 feet south of the steel sump source area, had a PCE concentration of 30 µg/L, exceeding the MCL. Remaining monitoring wells MW-5D, MW-9D and MW-10D had slight detections of PCE below the MCL while PCE was not detected above the reporting limit in newly installed well MW-22D.

6.2 Summary of Hydrogeology

The Site is located within a groundwater compartment that is bounded by a Wilson Creek, a perennial stream, to the south and a ridgetop to the north. Consequently, groundwater flow paths are relatively short as groundwater rarely underflows a perennial stream for a more distant stream. The lateral extent, along the slope, is less distinct, but may be formed by tributaries to Wilson Creek.

The water table occurs at a depth of approximately 24 to 34 feet bgs within the upper portion of the regolith, which consists of saprolite that is composed primarily of silt and sandy silt. Water levels have fluctuated seasonally as much as eight feet since monitoring wells were installed in 2012.

The Site is located along a ridge top and shallow groundwater east of the Building flows to the east, and south of the Building it flows to the southeast. Hydraulic conductivity may be higher parallel to the alignment of relict structures (foliation, bedding planes, fractures, and joints) within the saprolite that appear to be aligned northwest-southeast. While this is consistent with the groundwater flow direction interpreted from water-level elevation contour maps, the configuration of the PCE plume suggests a more southerly or southwesterly flow direction than inferred from the groundwater elevation contours.

The hydraulic conductivity of the saprolite ranges from approximately 1.3E-05 to 4.1E-04 cm/sec. Groundwater is expected to preferentially flow through the coarser and less weathered portions of the saprolite (e.g., silty sands and sandy silts).

Vertical hydraulic gradients vary at the Site with downward gradients occurring in the central part of the facility, and upward gradients located farther east, which are possibly influenced by potential discharge of groundwater to the UT to Wilson Creek.

6.3 Summary Contaminant Fate and Transport

Releases of PCE, benzene and naphthalene in the identified source areas, combined with the infiltration of precipitation, have resulted in the migration of these COCs, and their degradation products downward through the soil and saprolite and into the shallow groundwater. On the eastern side of the Building, releases of PCE, benzene and naphthalene have migrated to the east and southeast toward the unnamed tributary of Wilson Creek. The benzene and naphthalene released from the UST system appear to attenuate naturally over relatively short distances, while PCE released near the cardboard storage room appears to migrate downgradient to wells MW-12, MW-5, and MW-20. These three wells are located east of the cardboard storage room and the easterly groundwater flow direction would appear to transport the PCE contamination toward these wells. The concentrations in this area decrease to levels below the PSL in well MW-13, approximately 500 feet to the southeast of the release. The release(s) at the steel sump area have migrated through shallow groundwater to the south, with elevated concentrations detected downgradient at wells MW-10R, MW-10I and MW-14 Concentrations attenuate to levels below the PSL further downgradient at wells MW-15R and MW-19 located approximately 600 feet and 700 feet downgradient of the steel sump area, respectively.

The relatively low permeability of the saprolite and the upward hydraulic gradient at some locations appears to have limited the downward movement of PCE affected groundwater to the deeper wells. This is evidenced by concentrations in deeper wells typically being 1 to 3 orders of magnitude less than the concentrations in their paired shallow wells. For

example, the PCE concentration in shallow well MW-10R was 2,900 µg/L, while the concentration in the deeper paired well MW-10D was 2.2 µg/L. However, the PCE concentration of 15,000 µg/L in monitoring well MW-10I, which is screened between MW-10R and MW-10D, indicates that elevated concentrations of COCs are present within the intermediate zone of the regolith. Elevated concentrations of COCs have also been detected in the other wells screened in portions of the regolith that appear to correspond to this intermediate zone (i.e., MW-12 and MW-20).

PCE degradation products including TCE, cDCE, and VC were detected in 7 of the 22 shallow wells and 1 of the 5 deeper wells. The concentrations of the degradation products were generally two or more orders of magnitude less than the PCE concentrations, suggesting limited reductive dehalogenation, with the exception of wells MW-3 and MW-5Dwhere the cDCE concentration was higher than the PCE concentration. It should also be noted that the PCE and naphthalene plumes are collocated at MW-3.

Low concentrations of PCE are widely detected in vadose zone soil overlying the PCE plume in the shallow water bearing zone. Beyond the immediate vicinity of the identified source areas, these low concentrations appear to be related to dissolution of the PCE in the shallow groundwater from the dissolved phase into the vapor phase and then adsorption onto the soil. Higher concentrations of PCE detected in soil below the water table, within the zone of water table fluctuation, or in capillary fringe are attributed to dissolved phase transport in the groundwater from the source areas.

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Tables

Table 1 - Previous Investigations

Itron, Inc.,
Greenwood, South Carolina

Previous Investigation	Date	Investigation Activities and Qualitative Results
Phase I Environmental Site Assessment (ESA)	December 2011	A Phase I ESA was performed using readily available information to identify Recognized Environmental Conditions (RECs). The ESA included a reconnaissance of the site, a drive-by survey of the surrounding area, review of company records and publicly available information, and interviews with plant personnel and representatives of regulatory and other public agencies. URS reviewed information in the radius map report provided by Environmental Data Resources (EDR), a previous Phase I ESA conducted by URS France in 2007, a UST removal report from Jones & Frank of Greenville, South Carolina documenting removal of four (4) USTs in September 1987 and a hazardous material spill incident report from Actaris US Liquid Measurement from January 31, 2004. <u>Three RECs were identified:</u> 1) Four former petroleum USTs that were removed from the northeast side of the plant building in 1987. 2) An oil-water separator (OWS) and associated piping located near the southwest corner of the plant building. 3) An area near the paint booth where facility personnel reportedly used tetrachloroethene (PCE) to clean paint guns in 1978. Based on these findings, a Phase II ESA was recommended. <u>Four Historic RECs were identified:</u> 1) Leaking Underground Storage Tank (LUST) incident reported August 28, 2009. 2) A 10-gallon waste oil/coolant release on July 17, 1992. 3) A spill of approximately 13 gallons of mineral spirits outside the test room on the east side of the building on April 29, 2009. 4) A spill of approximately 5,162 gallons of mineral spirits 66 in a test room on site on January 31, 2004. The Historic RECs appear to have all been resolved with the appropriate agencies.

Previous Investigation	Date	Investigation Activities and Qualitative Results
Phase II Environmental Site Assessment	January 2012	A Phase II ESA was performed to address the RECs identified during the Phase I ESA to determine if soil and groundwater had been affected by historic activities at the site. The Phase II ESA included collecting 19 soil samples from 11 borings and collecting a groundwater sample from each of nine temporary monitoring wells. PCE was detected in soil and groundwater along the eastern, southeastern and northeastern sides of the plant building. Trichloroethene (TCE) and cis-1,2-dichloroethene (cDCE), degradation products of PCE, were also detected in the soil at concentrations exceeding preliminary screening levels. Benzene and naphthalene were detected in soil and/or groundwater near the former location of the USTs at concentrations exceeding preliminary screening levels. No impacts to soil and groundwater were detected near the OWS. Based on the results on the southeastern, eastern and northeastern sides of the plant building, further assessment of soil and groundwater was recommended.
Soil & Groundwater Site Assessment	March – April 2012	Soil and groundwater were sampled to assess the sources and extent of PCE in soil and shallow groundwater. The assessment included screening soil and groundwater with a membrane interface probe (MIP), soil borings, installing monitoring wells, and collecting and analyzing soil and groundwater samples. Eleven soil borings were advanced and 23 soil samples were collected. Eleven monitoring wells were installed and sampled. Two potential source areas of PCE were identified: one along the northeast side of the plant building near boring SB-3 and the other near the steel sump located on the southeast side of the plant building. The distribution of PCE in groundwater was partially delineated and found to extend at least 400 feet southeast of the suspected source areas. In addition, benzene was detected in groundwater along the northeast side of plant building at concentrations exceeding preliminary screening levels. Based on the results, further characterization was recommended.
Indoor Air Quality Investigation	March – April 2012	Indoor air quality samples were collected from the plant building during closed door and open door testing events. PCE and TCE exceeded screening levels at one location during the closed door test. No screening levels were exceeded during the open door test. Subsequent testing was performed by fitting employees with individual sampling devices. Based on these results, no further measures related to indoor air quality were considered necessary.
Groundwater Sampling	August 2012	Groundwater samples were collected from the 11 monitoring wells to confirm the results of sampling performed in April. Results were comparable with PCE, cDCE, and benzene being reported at concentrations above preliminary screening levels.

Previous Investigation	Date	Investigation Activities and Qualitative Results
Remedial Investigation (RI)	March – July 2014	The Remedial Investigation (RI) included the advancement of soil borings located within and adjacent to the Building and near a debris pile located in a wooded area east of the Building, installation of shallow and deep groundwater monitoring wells and investigation of a suspected drain line associated with a steel sump on the south side of the Building. Soil and/or groundwater samples were collected from 41 soil borings, 7 shallow monitoring wells and 4 deep monitoring wells. Groundwater samples were also collected from 11 existing shallow monitoring wells. The drain line investigation was terminated when it was determined there was no drain line connected to the steel sump. The subsurface investigations identified three geologic units beneath a thin soil layer at the Site. They are near-surface fill, most likely placed during site development; the regolith which is composed entirely of saprolite; and the underlying bedrock. The groundwater table occurs at a depth of approximately 20 to 30 feet below ground surface (bgs) within the upper portion of the saprolite, which primarily consists of silt and sandy silt. The Site is located along a ridge top and shallow groundwater east of the Building flows to the east and south of the Building flows to the south. The collective results of the previous investigations and the RI indicate the presence of three potential source areas including the steel sump area located near the southeast corner of the Building, the cardboard storage room area located east of the Building, and an area near the northeast corner of the Building where four underground storage tanks (USTs) and a gasoline dispenser were formerly located. Results for soil samples collected beneath the Building and near the debris pile located east of the Building indicate that these areas are not significant sources. PCE is the primary chemical of concern (COC) at the Site while lower concentrations of degradation products (i.e., TCE and cDCE) were also detected. PCE exceeded Preliminary Screening Levels (PSLs) in soil and groundwater samples collected from all three source areas, with the highest concentrations being detected in the vicinity of the steel sump and cardboard storage room areas. Field screening of soil samples using hydrophobic dye and gauging of wells with the highest concentrations of PCE with an interface probe did not detect dense non-aqueous phase liquid (DNAPL) at the Site. Petroleum hydrocarbons and polynuclear aromatic hydrocarbons (PAHs) were also detected at the Site. Benzene, naphthalene, ethylbenzene, xylenes, benzo(a)pyrene, and benzo(b)fluoranthene exceeded PSLs in soil and/or groundwater samples collected in the vicinity of the former UST and gasoline dispenser and cardboard storage room areas.

Table 2
Chronological Summary of Remedial Investigation Field Activities

Itron, Inc.,
Greenwood, South Carolina

Date	Task	Purpose
7/13/15 – 7/17/15	Locate underground utilities for all proposed monitoring well locations.	Prevent damage to underground utilities and avoid injury to personnel working onsite.
	Construct temporary fence with blinder material near Northeast corner of the building and build secondary containment area.	Provide area to stage Investigative Derived Waste (IDW) from remedial investigation activities.
	Install monitoring wells MW-10I, MW-10R, MW-15R, MW-19 through MW-21 and MW-22D using a sonic drill rig. Screen soil cuttings for volatile organic vapor using a PID. Use dye-shake testing to screen all soil samples exhibiting PID readings greater than 100 ppm for DNAPL. Collect soil samples from various depths for laboratory analysis. Containerize soil cuttings and water/fluids used during the drilling process.	Classify soils, assess hydrogeologic conditions and further delineate the nature and extent of contaminants across the site.
7/22/15 – 7/23/15	Develop monitoring wells MW-10I, MW-10R, MW-15R, MW-19 through MW-21 and MW-22D.	Remove a sufficient amount of water to flush the filter pack in each well and allow proper groundwater movement into the wells.
	Conduct survey of all newly installed monitoring wells onsite including MW-10I, MW-10R, MW-15R, MW-19 through MW-21 and MW-22D.	Determine top of casing and ground surface elevations and horizontal coordinates for all newly installed monitoring wells.

Table 2
Chronological Summary of Remedial Investigation Field Activities

Itron, Inc.,
Greenwood, South Carolina

Date	Task	Purpose
7/28/15 – 7/29/15	Measure water levels and collect groundwater samples from all monitoring wells (MW-1 through MW-9, MW-10R, MW-10I, MW-11 through MW14, MW-15R, MW-16 through MW-21, MW-5D, MW-9D, MW-10D, MW-16D and MW-22D).	Obtain data to prepare potentiometric surface contour maps and calculate vertical gradients as well as determine groundwater quality conditions across the site.
9/1/15	Twenty-six (26) drums of IDW (e.g., soil cuttings, purge water, development water, and decontamination fluids) generated during field activities in July 2015 were picked up and transported offsite for disposal.	Document proper disposal of IDW generated during Remedial Investigation.

Table 3
Groundwater Monitoring Well Construction Details

Itron, Inc.
Greenwood, South Carolina

Monitoring Well	Well Diameter	Depth of Well	Screen Length	Screen Interval	Stratagraphic Unit	Top of Well Casing Elevation	Ground Surface Elevation	Screen Interval Elevation	Coordinates	
	inches	feet bgs	feet	feet bgs		feet above msl	feet above msl	feet above msl	Northing	Easting
MW-1	2	31.5	10	21.5 - 31.5	Shallow Regolith	557.74	558.15	526.6 - 536.6	869224.644	1667988.237
MW-2	2	34.8	10	24.8 - 34.8	Shallow Regolith	562.30	562.62	527.8 - 537.8	869207.038	1668204.679
MW-3	2	47.0	10	37.0 - 47.0	Shallow Regolith	561.84	562.14	515.1 - 525.1	869104.002	1668261.237
MW-4	2	46.8	10	36.8 - 46.8	Shallow Regolith	558.86	555.46	508.6 - 518.6	868958.364	1668477.977
MW-5	2	47.9	10	37.9 - 47.9	Shallow Regolith	552.86	549.36	501.4 - 511.4	868892.212	1668553.549
MW-6	2	38.0	10	28.0 - 38.0	Shallow Regolith	559.43	559.71	521.7 - 531.7	868936.457	1668319.405
MW-7	2	37.4	10	27.4 - 37.4	Shallow Regolith	560.33	560.62	523.2 - 533.2	868894.361	1668279.797
MW-8	2	55.6	10	45.6 - 55.6	Shallow Regolith	557.19	557.55	501.9 - 511.9	868870.317	1668410.386
MW-9	2	52.3	10	42.3 - 52.3	Shallow Regolith	553.65	553.90	501.6 - 511.6	868681.764	1668650.676
MW-10	1	35.1	5	30.1 - 35.1	Shallow Regolith	551.07	551.42	516.3 - 521.3	868593.655	1668484.530
MW-10R	2	35.1	10	25.1 - 35.1	Shallow Regolith	551.03	551.20	511.3 - 521.3	868588.385	1668490.999
MW-11	2	40.4	10	30.4 - 40.4	Shallow Regolith	560.17	560.45	520.0 - 530.0	868712.965	1668117.285
MW-12	2	68.3	10	58.3 - 68.3	Intermediate Regolith	565.93	562.93	494.6 - 504.6	869049.750	1668419.153
MW-13	2	40.0	10	30.0 - 40.0	Shallow Regolith	550.17	547.07	507.0 - 517.0	868815.677	1668779.111
MW-14	2	46.0	10	36.0 - 46.0	Shallow Regolith	549.95	550.36	504.3 - 514.3	868458.767	1668332.200
MW-15	2	38.0	10	28.0 - 38.0	Shallow Regolith	557.20	554.10	516.1 - 526.1	868370.465	1668655.810
MW-15R	2	49.5	10	39.5 - 49.5	Shallow Regolith	556.96	553.89	504.4 - 514.4	868379.662	1668655.571
MW-16	2	36.3	10	26.3 - 36.3	Shallow Regolith	556.51	556.92	520.6 - 530.6	868782.253	1668386.285
MW-17	2	45.3	15	35.3 - 45.3	Shallow Regolith	561.75	562.05	516.7 - 531.7	869005.623	1668192.860
MW-18	2	39.0	10	29.0 - 39.0	Shallow Regolith	556.76	556.96	517.9 - 527.9	869009.841	1667664.807
MW-19	2	49.2	10	39.2 - 49.2	Shallow Regolith	548.37	545.41	496.2 - 506.2	868198.167	1668401.225
MW-20	2	59.0	10	49.0 - 59.0	Intermediate Regolith	545.47	542.50	483.5 - 493.5	868910.129	1668743.381
MW-21	2	42.5	10	32.5 - 42.5	Shallow Regolith	548.80	548.90	506.4 - 516.4	868425.395	1668091.680
MW-10I	2	57.9	10	47.9 - 57.9	Intermediate Regolith	551.10	551.30	493.4 - 503.4	868601.768	1668468.066
MW-5D	2	74.0	5	69.0 - 74.0	Deep Regolith	554.14	551.24	477.2 - 482.2	868879.078	1668537.552
MW-9D	2	76.5	5	71.5 - 76.5	Deep Regolith	553.77	554.15	477.6 - 482.6	868671.574	1668643.253
MW-10D	2	76.0	5	71.0 - 76.0	Deep Regolith	550.85	549.95	473.9 - 478.9	868586.308	1668469.047
MW-16D	2	75.8	5	70.8 -75.8	Deep Regolith	556.78	557.25	481.4 - 486.4	868776.648	1668370.548
MW-22D	2	79.0	5	74.0 - 79.0	Deep Regolith	549.27	546.32	472.3 - 477.3	868855.353	1668766.548

Notes:
1. bgs = below ground surface
2. msl = mean sea level
3. MW-15R - "R" indicates replacement well.

Table 4
Groundwater Monitoring Well Elevations
Current (July 2015) and Historical

Itron, Inc.
Greenwood, South Carolina

Monitoring Well	Well Diameter	Depth of Well	Screen Length	Screen Interval	Top of Well Casing Elevation	7/28/2015		6/4/2014		8/23/2012		4/19/2012	
						Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation
	inches	feet bgs	feet	feet bgs	feet above msl	feet below toc	feet above msl	feet below toc	feet above msl	feet below toc	feet above msl	feet below toc	feet above msl
MW-1	2	31.5	10	21.5 - 31.5	557.74	22.89	534.85	22.08	535.66	26.88	530.86	26.06	531.68
MW-2	2	34.8	10	24.8 - 34.8	562.30	29.49	532.81	28.63	533.67	33.42	528.88	32.62	529.68
MW-3	2	47.0	10	37.0 - 47.0	561.84	27.50	534.34	27.80	534.04	32.43	529.41	34.23	527.61
MW-4	2	46.8	10	36.8 - 46.8	558.86	30.14	528.72	27.90	530.96	30.50	524.63	28.93	526.20
MW-5	2	47.9	10	37.9 - 47.9	552.86	28.34	524.52	25.99	526.87	29.12	520.00	27.11	522.01
MW-6	2	38.0	10	28.0 - 38.0	559.43	25.56	533.87	25.33	534.10	29.45	529.98	28.52	530.91
MW-7	2	37.4	10	27.4 - 37.4	560.33	26.02	534.31	26.12	534.21	29.89	530.44	28.96	531.37
MW-8	2	55.6	10	45.6 - 55.6	557.19	27.41	529.78	25.18	532.01	31.94	525.25	30.37	526.82
MW-9	2	52.3	10	42.3 - 52.3	553.65	33.99	519.66	33.35	520.30	39.51	514.14	39.10	514.55
MW-10	1	35.1	5	30.1 - 35.1	551.07	25.28	525.79	22.59	528.48	30.60	520.47	27.56	523.51
MW-10R	2	35.1	10	25.1 - 35.1	551.03	25.55	525.48	--	--	--	--	--	--
MW-11	2	40.4	10	30.4 - 40.4	560.17	26.05	534.12	25.19	534.98	29.82	530.35	28.23	531.94
MW-12	2	68.3	10	58.3 - 68.3	565.93	38.19	527.74	36.50	529.43	--	--	--	--
MW-13	2	40.0	10	30.0 - 40.0	550.17	32.19	517.98	31.65	518.52	--	--	--	--
MW-14	2	46.0	10	36.0 - 46.0	549.95	22.25	527.70	20.43	529.52	--	--	--	--
MW-15	2	38.0	10	28.0 - 38.0	557.20	37.50	519.70	36.76	520.44	--	--	--	--
MW-15R	2	49.5	10	39.5 - 49.5	556.96	37.28	519.68	--	--	--	--	--	--
MW-16	2	36.3	10	26.3 - 36.3	556.51	24.44	532.07	22.79	533.72	--	--	--	--
MW-17	2	45.3	15	35.3 - 45.3	561.75	27.29	534.46	27.62	534.13	--	--	--	--
MW-18	2	39.0	10	29.0 - 39.0	556.76	21.15	535.61	20.49	536.27	--	--	--	--
MW-19	2	49.2	10	39.2 - 49.2	548.37	27.76	520.61	--	--	--	--	--	--
MW-20	2	59.0	10	49.0 - 59.0	545.47	28.02	517.45	--	--	--	--	--	--
MW-21	2	42.5	10	32.5 - 42.5	548.80	17.32	531.48	--	--	--	--	--	--
MW-10I	2	57.9	10	47.9 - 57.9	551.10	24.32	526.78	--	--	--	--	--	--
MW-5D	2	74.0	5	69.0 - 74.0	554.14	29.56	524.58	27.21	526.93	--	--	--	--
MW-9D	2	76.5	5	71.5 - 76.5	553.77	33.56	520.21	32.88	520.89	--	--	--	--
MW-10D	2	76.0	5	71.0 - 76.0	550.85	26.60	524.25	24.93	525.92	--	--	--	--
MW-16D	2	75.8	5	70.8 -75.8	556.78	28.96	527.82	26.30	530.48	--	--	--	--
MW-22D	2	79.0	5	74.0 - 79.0	549.27	32.27	517.00	--	--	--	--	--	--

Notes:
1. bgs = below ground surface
2. msl = mean sea level
3. toc = top of casing
4. -- Well was not installed at time of gauging event.

Table 5
Vertical Hydraulic Gradients

Itron, Inc.
Greenwood, South Carolina

Monitoring Well Pairs	Top of Well Casing Elevation	Ground Surface Elevation	Screen Length	Screen Interval	Screen Interval Elevation	Screen Interval Midpoint	Difference in Screen Midpoint (Shallow - Deep)	7/28/2015		Difference in Groundwater Elevation (Shallow - Deep)	Vertical Gradient
								Depth to Water	Groundwater Elevation		
	feet above msl	feet above msl	feet	feet bgs	feet above msl	feet above msl	feet above msl	feet below toc	feet above msl	feet above msl	feet / feet
MW-5	552.86	549.36	10	37.9 - 47.9	501.4 - 511.4	506.46	26.72	28.34	524.52	-0.06	-0.0022
MW-5D	554.14	551.24	5	69.0 - 74.0	477.2 - 482.2	479.74		29.56	524.58		
MW-9	553.65	553.90	10	42.3 - 52.3	501.6 - 511.6	506.60	26.50	33.99	519.66	-0.55	-0.0208
MW-9D	553.77	554.15	5	71.5 - 76.5	477.6 - 482.6	480.10		33.56	520.21		
MW-10R	551.03	551.20	10	25.1 - 35.1	511.3 - 521.3	516.30	39.85	25.55	525.48	1.23	0.0309
MW-10D	550.85	549.95	5	71.0 - 76.0	473.9 - 478.9	476.45		26.60	524.25		
MW-10I	551.10	551.30	10	47.9 - 57.9	493.4 - 503.4	498.40	21.95	24.32	526.78	2.53	0.1153
MW-10D	550.85	549.95	5	71.0 - 76.0	473.9 - 478.9	476.45		26.60	524.25		
MW-10R	551.03	551.20	10	25.1 - 35.1	511.3 - 521.3	516.30	17.90	25.55	525.48	-1.30	-0.0726
MW-10I	551.10	551.30	10	47.9 - 57.9	493.4 - 503.4	498.40		24.32	526.78		
MW-16	556.51	556.92	10	26.3 - 36.3	520.6 - 530.6	525.62	41.67	24.44	532.07	4.25	0.1020
MW-16D	556.78	557.25	5	70.8 -75.8	481.4 - 486.4	483.95		28.96	527.82		

Notes:
1. bgs - below ground surface
2. msl - mean sea level
3. toc - top of casing

Table 6
Groundwater Analytical Results
Current (July 2015) and Historical

Itron, Inc.
Greenwood, South Carolina

Compounds	MCLs	RBSLs	Monitoring Wells															
			MW-1				MW-2				MW-3				MW-4			
			4/19/2012	8/23/2012	6/5/2014	7/28/2015	4/19/2012	8/23/2012	6/4/2014	7/28/2015	4/19/2012	8/23/2012	6/4/2014	7/29/2015	4/19/2012	8/23/2012	6/5/2014	7/29/2015
Volatile Organic Compounds (EPA Method 8260)																		
Benzene	5	5	<5.0	<5.0	<5.0	<5.0	**8.2**	<5.0	<5.0	**0.54 J**	**12**	**15.1**	**17 J**	**10 J**	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	80	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<25.0	<25.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK)	NSL	NSL	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***30***	<20.0	***33 J***	<50.0	<10.0	<10.0	<10.0	<10.0
Chloroform	80	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<25.0	<25.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	5	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**1.2 J**	**1.2 J**	<5.0	<10.0	<25.0	<25.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	70	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**280**	**389**	**440**	**280**	<5.0	<5.0	**0.39 J**	**0.23 J**
1,2-Dichloropropane	5	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**11**	<5.0	<5.0	<10.0	<25.0	<25.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	700	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**11**	<10.0	**16 J**	**6.9 J**	<5.0	<5.0	<5.0	<5.0
2-Hexanone	NSL	NSL	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***11***	<20.0	***10 J***	***4.6 J***	<10.0	<10.0	<10.0	<10.0
Isopropylbenzene	NSL	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***0.52J***	***9.5***	***19.5***	***26***	***17 J***	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	NSL	NSL	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***10***	<20.0	***6.9 J***	***2.6 J***	<10.0	<10.0	<10.0	<10.0
Methylcyclohexane	NSL	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	***5.1 J***	***4.5 J***	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	5	NSL	<5.0	<5.0	**0.80 J**	**7.7**	<5.0	<5.0	**0.86 J**	**1.1J**	**50**	<10.0	**21 J**	**13 J**	<5.0	<5.0	**2.4 J**	**3.0 J**
Trichloroethene	5	NSL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**43**	<10.0	<25.0	**0.81 J**	**5.8**	<5.0	<5.0	<5.0
Vinyl Chloride	2	NSL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<10.0	<10.0	<2.0	<2.0	**0.42 J**	<2.0
Xylenes (total)	10,000	10,000	<5.0	<5.0	<5.0	<5.0	**10**	<5.0	<5.0	**3.4 J**	**41**	**41.5**	**110**	**56**	<5.0	<5.0	<5.0	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																		
Benzo(a)anthracene	NSL	10	NA	NA	<0.20	NA	NA	NA	**0.042 J**	NA	NA	NA	<100	<40.0	NA	NA	<0.20	NA
Benzo(a)pyrene	0.20	NSL	NA	NA	<0.20	NA	NA	NA	**0.050 J**	NA	NA	NA	<100	<40.0	NA	NA	<0.20	NA
Benzo(b)fluoranthene	NSL	10	NA	NA	<0.20	NA	NA	NA	**0.11 J**	NA	NA	NA	<100	<40.0	NA	NA	<0.20	NA
Chrysene	NSL	10	NA	NA	<0.20	NA	NA	NA	**0.077 J**	NA	NA	NA	<100	<40.0	NA	NA	<0.20	NA
Fluoranthene	NSL	NSL	NA	NA	<0.20	NA	NA	NA	***0.15 J***	NA	NA	NA	<100	<40.0	NA	NA	<0.20	NA
Fluorene	NSL	NSL	NA	NA	<0.20	NA	NA	NA	***0.063 J***	NA	NA	NA	<100	<40.0	NA	NA	***0.028 J***	NA
Naphthalene	NSL	25	NA	NA	<0.20	NA	NA	NA	**1.1**	NA	NA	NA	**200**	**190**	NA	NA	**0.14 J**	NA
Phenathrene	NSL	NSL	NA	NA	<0.20	NA	NA	NA	***0.15 J***	NA	NA	NA	<100	<40.0	NA	NA	<0.20	NA
Pyrene	NSL	NSL	NA	NA	<0.20	NA	NA	NA	***0.13 J***	NA	NA	NA	<100	<40.0	NA	NA	<0.20	NA

Notes:
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2. Sample analysis for the August 2012 sampling event was performed by Gulf Coast Analytical Laboratories, Inc. of Baton Rouge, Louisiana.
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. MCL - Maximum Contaminant Level established by Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (June 2015).
5. All concentrations are in micrograms per liter (ug/L).
6. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected in any of the samples.
7. A bold value indicates a detected concentration.
8. A bold and highlighted value indicates a detected concentration which exceeds the MCL or RBSL.
9. NSL = No Screening Level Listed.
10. A bold and italicized value indicates detected value with no established MCL or RBSL.
11. NA = Not analyzed or not applicable
12. J - Estimated Value
13. < - Indicates less than

Table 6
Groundwater Analytical Results
Current (July 2015) and Historical

Itron, Inc.
Greenwood, South Carolina

Compounds	MCLs	RBSLs	Monitoring Wells													
			MW-5				MW-5D		MW-6				MW-7			
			4/19/2012	8/23/2012	6/5/2014	7/29/2015	6/5/2014	7/28/2015	4/19/2012	8/23/2012	6/4/2014	7/29/2015	4/20/2012	8/23/2012	6/4/2014	7/29/2015
Volatile Organic Compounds (EPA Method 8260)																
Benzene	5	5	<100	<200	<250	<250	<5.0	**0.27 J**	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
Bromodichloromethane	80	NSL	<100	<200	<250	<250	<5.0	<5.0	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
2-Butanone (MEK)	NSL	NSL	<200	<400	<500	<500	<10.0	<10.0	<2,000	<1,000	<2,000	<2,000	<1,000	<8,000	<10,000	<20,000
Chloroform	80	NSL	<100	<200	<250	<250	<5.0	<5.0	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
1,2-Dichloroethane	5	NSL	<100	<200	<250	<250	<5.0	<5.0	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
cis-1,2-Dichloroethene	70	NSL	<100	<200	**46 J**	**15 J**	<5.0	**130**	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
1,2-Dichloropropane	5	NSL	<100	<200	<250	<250	<5.0	<5.0	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
Ethylbenzene	700	NSL	<100	<200	<250	<250	<5.0	<5.0	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
2-Hexanone	NSL	NSL	<200	<400	<500	<500	<10.0	<10.0	<2,000	<1,000	<2,000	<2,000	<1,000	<8,000	<10,000	<20,000
Isopropylbenzene	NSL	NSL	<100	<200	<250	<250	<5.0	<5.0	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
4-Methyl-2-pentanone	NSL	NSL	<100	<400	<500	<500	<10.0	<10.0	<2,000	<1,000	<2,000	<2,000	<1,000	<8,000	<10,000	<20,000
Methylcyclohexane	NSL	NSL	<100	<200	<250	<250	<5.0	<5.0	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
Tetrachloroethene	5	NSL	**3,900**	**4,290**	**3,700**	**4,000**	**190**	**0.96 J**	**12,000**	**14,400**	**14,000**	**9,600**	**7,000**	**56,900**	**97,000**	**100,000**
Trichloroethene	5	NSL	<100	<200	**15 J**	**10 J**	**0.56 J**	**0.22 J**	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
Vinyl Chloride	2	NSL	<40.0	<80.0	**38 J**	<100	<2.0	<2.0	<400	<200	<400	<400	<200	<1,600	<2,000	<4,000
Xylenes (total)	10,000	10,000	<100	<200	<250	<250	<5.0	<5.0	<1,000	<500	<1,000	<1,000	<500	<4,000	<5,000	<10,000
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)																
Benzo(a)anthracene	NSL	10	NA	NA	<0.20	NA	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.20	NSL	NA	NA	<0.20	NA	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NSL	10	NA	NA	<0.20	NA	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA	NA
Chrysene	NSL	10	NA	NA	<0.20	NA	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA	NA
Fluoranthene	NSL	NSL	NA	NA	<0.20	NA	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA	NA
Fluorene	NSL	NSL	NA	NA	<0.20	NA	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA	NA
Naphthalene	NSL	25	NA	NA	<0.20	NA	**0.10 J**	NA	NA	NA	<0.20	NA	NA	NA	NA	NA
Phenathrene	NSL	NSL	NA	NA	<0.20	NA	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA	NA
Pyrene	NSL	NSL	NA	NA	<0.20	NA	<0.20	NA	NA	NA	<0.20	NA	NA	NA	NA	NA

Notes:
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Table 6
Groundwater Analytical Results
Current (July 2015) and Historical

Itron, Inc.
Greenwood, South Carolina

Compounds	MCLs	RBSLs	Monitoring Wells												
			MW-8				MW-9				MW-9D		MW-10		
			4/19/2012	8/23/2012	6/4/2014	7/29/2015	4/19/2012	8/23/2012	6/4/2014	7/28/2015	6/4/2014	7/28/2015	4/19/2012	8/23/2012	6/4/2014
Volatile Organic Compounds (EPA Method 8260)															
Benzene	5	5	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	<5.0
Bromodichloromethane	80	NSL	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	<5.0
2-Butanone (MEK)	NSL	NSL	<4,000	<2,000	<5000	<5000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<1,000	<1,000	<10.0
Chloroform	80	NSL	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	**1.8 J**	<5.0	<500	<500	<5.0
1,2-Dichloroethane	5	NSL	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	<5.0
cis-1,2-Dichloroethene	70	NSL	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	**0.26 J**	<5.0	<500	<500	**0.46 J**
1,2-Dichloropropane	5	NSL	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	<5.0
Ethylbenzene	700	NSL	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	<5.0
2-Hexanone	NSL	NSL	<4,000	<2,000	<5000	<5000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<1,000	<1,000	<10.0
Isopropylbenzene	NSL	NSL	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	<5.0
4-Methyl-2-pentanone	NSL	NSL	<4,000	<2,000	<5000	<5000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<1,000	<1,000	<10.0
Methylcyclohexane	NSL	NSL	<2,000	<1,000	<2500	<2500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	<5.0
Tetrachloroethene	5	NSL	**19,000**	**25,200**	**21,000**	**20,000**	**10**	<5.0	**1.4 J**	**1.8 J**	<5.0	**0.73 J**	**12,000**	**15,200**	**1,500**
Trichloroethene	5	NSL	<2,000	<1,000	<2500	<2500	**54**	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	**1.3 J**
Vinyl Chloride	2	NSL	<800	<400	<1000	<1000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<200	<200	<2.0
Xylenes (total)	10,000	10,000	<2,000	<1,000	<2,500	<2,500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<500	<500	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)															
Benzo(a)anthracene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.20	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NSL	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenathrene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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Table 6
Groundwater Analytical Results
Current (July 2015) and Historical

Itron, Inc.
Greenwood, South Carolina

Compounds	MCLs	RBSLs	Monitoring Wells											
			MW-10R	MW-10I	MW-10D		MW-11				MW-12		MW-13	
			7/28/2015	7/28/2015	6/4/2014	7/28/2015	4/19/2012	8/23/2012	6/4/2014	7/29/2015	6/5/2014	7/29/2015	6/5/2014	7/28/2015
Volatile Organic Compounds (EPA Method 8260)														
Benzene	5	5	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
Bromodichloromethane	80	NSL	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
2-Butanone (MEK)	NSL	NSL	<200	<2,000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<500	<500	<10.0	<10.0
Chloroform	80	NSL	**5.8 J**	<1,000	**2.5 J**	**0.48 J**	<5.0	<5.0	<5.0	<5.0	<250	<250	**2.8 J**	<5.0
1,2-Dichloroethane	5	NSL	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
cis-1,2-Dichloroethene	70	NSL	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
1,2-Dichloropropane	5	NSL	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
Ethylbenzene	700	NSL	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
2-Hexanone	NSL	NSL	<200	<2,000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<500	<500	<10.0	<10.0
Isopropylbenzene	NSL	NSL	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
4-Methyl-2-pentanone	NSL	NSL	<100	<2,000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<500	<500	<10.0	<10.0
Methylcyclohexane	NSL	NSL	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
Tetrachloroethene	5	NSL	**2,900**	**15,000**	**1.8 J**	**2.2 J**	<5.0	<5.0	**37**	**2.8 J**	**4,500**	**4,800**	**0.82 J**	<5.0
Trichloroethene	5	NSL	**5.1 J**	<1,000	<5.0	<5.0	**5.2**	<5.0	<5.0	<5.0	<250	<250	<5.0	<5.0
Vinyl Chloride	2	NSL	<40.0	<400	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<100	<100	<2.0	<2.0
Xylenes (total)	10,000	10,000	<100	<1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)														
Benzo(a)anthracene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA
Benzo(a)pyrene	0.20	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA
Benzo(b)fluoranthene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA
Chrysene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA
Fluoranthene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA
Fluorene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA
Naphthalene	NSL	25	NA	NA	NA	NA	NA	NA	NA	NA	**0.039 J**	NA	NA	NA
Phenathrene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA
Pyrene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	NA	NA

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina, except for August 2012.
2. Sample analysis for the August 2012 sampling event was performed by Gulf Coast Analytical Laboratories, Inc. of Baton Rouge, Louisiana.
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. MCL - Maximum Contaminant Level established by Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (June 2015).
5. All concentrations are in micrograms per liter (ug/L).
6. Constituents not listed in this table, but analyzed as part of the analytical suite, were not detected in any of the samples.
7. A bold value indicates a detected concentration.
8. A bold and highlighted value indicates a detected concentration which exceeds the MCL or RBSL.
9. NSL = No Screening Level Listed.
10. An italicized value indicates detected value with no established MCL or RBSL.
11. NA = Not analyzed or not applicable
12. J - Estimated Value
13. < - Indicates less than

Table 6
Groundwater Analytical Results
Current (July 2015) and Historical

Itron, Inc.
Greenwood, South Carolina

Compounds	MCLs	RBSLs	Monitoring Wells											
			MW-14		MW-15	MW-15 R	MW-16		MW-16D		MW-17		MW-18	
			6/4/2014	7/28/2015	6/5/2014	7/28/2015	6/5/2014	7/28/2015	6/4/2014	7/28/2015	6/5/2014	7/28/2015	6/5/2014	7/28/2015
Volatile Organic Compounds (EPA Method 8260)														
Benzene	5	5	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	80	NSL	<5.0	<25.0	<5.0	**2.9 J**	<5.0	<5.0	<5.0	<5.0	**3.2 J**	<5.0	<5.0	<5.0
2-Butanone (MEK)	NSL	NSL	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Chloroform	80	NSL	**2.3 J**	<25.0	**3.9 J**	**5.5**	<5.0	<5.0	<5.0	<5.0	**8.6**	<5.0	<5.0	<5.0
1,2-Dichloroethane	5	NSL	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	70	NSL	**0.24 J**	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	5	NSL	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	700	NSL	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Hexanone	NSL	NSL	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Isopropylbenzene	NSL	NSL	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	NSL	NSL	<10.0	<50.0	<10.0	***0.84 J***	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Methylcyclohexane	NSL	NSL	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	5	NSL	**78**	**150**	**0.60 J**	<5.0	**160**	**110**	**18**	**30**	**75**	**690**	**0.78 J**	**0.90 J**
Trichloroethene	5	NSL	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.79 J**	**8.3 J**	<5.0	<5.0
Vinyl Chloride	2	NSL	<2.0	<10.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Xylenes (total)	10,000	10,000	<5.0	<25.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)														
Benzo(a)anthracene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.20	NA
Benzo(a)pyrene	0.20	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.20	NA
Benzo(b)fluoranthene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.20	NA
Chrysene	NSL	10	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.20	NA
Fluoranthene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.20	NA
Fluorene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.20	NA
Naphthalene	NSL	25	NA	NA	NA	NA	NA	NA	NA	NA	**0.033 J**	NA	**0.038 J**	NA
Phenathrene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	***0.043 J***	NA	<0.20	NA
Pyrene	NSL	NSL	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.20	NA

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina, except for August 2012.
2. Sample analysis for the August 2012 sampling event was performed by Gulf Coast Analytical Laboratories, Inc. of Baton Rouge, Louisiana.
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. MCL - Maximum Contaminant Level established by Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (June 2015).
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13. < - Indicates less than

Table 6
Groundwater Analytical Results
Current (July 2015) and Historical

Itron, Inc.
Greenwood, South Carolina

Compounds	MCLs	RBSLs	Monitoring Wells			
			MW-19	MW-20	MW-21	MW-22D
			7/28/2015	7/28/2015	7/29/2015	7/28/2015
Volatile Organic Compounds (EPA Method 8260)						
Benzene	5	5	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane	80	NSL	**0.27 J**	<5.0	<5.0	**0.31 J**
2-Butanone (MEK)	NSL	NSL	<10.0	<10.0	<10.0	<10.0
Chloroform	80	NSL	**0.77 J**	**2.9 J**	<5.0	**1.3 J**
1,2-Dichloroethane	5	NSL	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	70	NSL	<5.0	**3.8 J**	<5.0	<5.0
1,2-Dichloropropane	5	NSL	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	700	NSL	<5.0	<5.0	<5.0	<5.0
2-Hexanone	NSL	NSL	<10.0	<10.0	<10.0	<10.0
Isopropylbenzene	NSL	NSL	<5.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone	NSL	NSL	<10.0	<10.0	<10.0	<10.0
Methylcyclohexane	NSL	NSL	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	5	NSL	**1.2 J**	**360**	**1.7 J**	<5.0
Trichloroethene	5	NSL	<5.0	**4.3 J**	<5.0	<5.0
Vinyl Chloride	2	NSL	<2.0	<2.0	<2.0	<2.0
Xylenes (total)	10,000	10,000	<5.0	<5.0	<5.0	<5.0
Polynuclear Aromatic Hydrocarbons (EPA Method 8270)						
Benzo(a)anthracene	NSL	10	NA	NA	NA	NA
Benzo(a)pyrene	0.20	NSL	NA	NA	NA	NA
Benzo(b)fluoranthene	NSL	10	NA	NA	NA	NA
Chrysene	NSL	10	NA	NA	NA	NA
Fluoranthene	NSL	NSL	NA	NA	NA	NA
Fluorene	NSL	NSL	NA	NA	NA	NA
Naphthalene	NSL	25	NA	NA	NA	NA
Phenathrene	NSL	NSL	NA	NA	NA	NA
Pyrene	NSL	NSL	NA	NA	NA	NA

Notes:
1. Sample analysis performed by Shealy Environmental Services, Inc. of West Columbia, South Carolina, except for August 2012.
2. Sample analysis for the August 2012 sampling event was performed by Gulf Coast Analytical Laboratories, Inc. of Baton Rouge, Louisiana.
3. RBSL - Risk Based Screening Level based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA) for Petroleum Releases (May 15, 2001).
4. MCL - Maximum Contaminant Level established by Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (June 2015).
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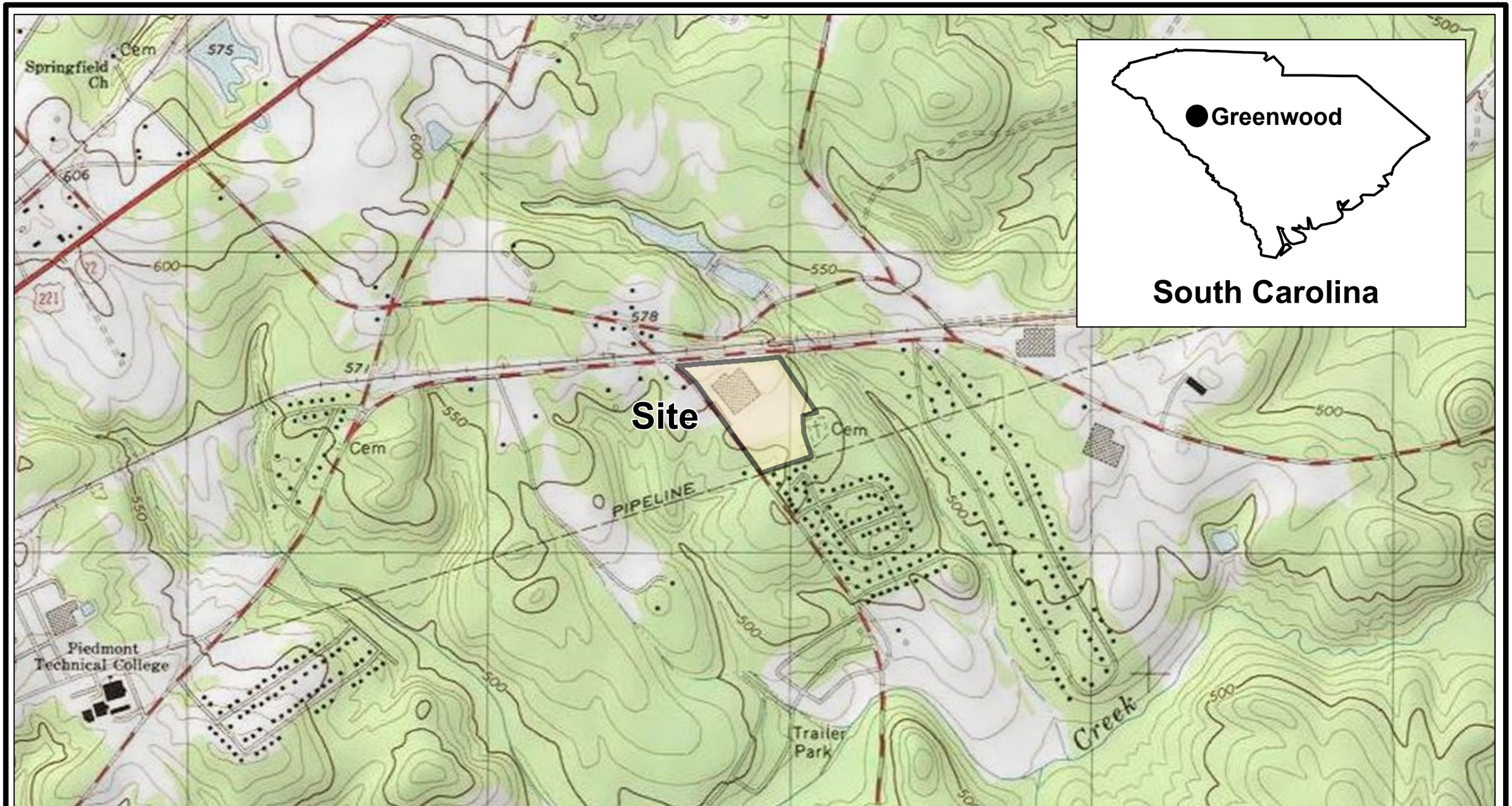
11. NA = Not analyzed or not applicable
12. J - Estimated Value
13. < - Indicates less than

Figures



Legend

Itron Property Line (Approximate)

Source: USGS 7.5-minute topographic quadrangle, Ninety Six, South Carolina, 1978

N

0 0.125 0.25 0.5 Miles

AECOM

Itron

Figure 1
Topographic Map

Land Use Numerical Key

1. Itron Property (Red Seal Measurement)
2. New Faith Tabernacle Church
3. Jesse's Diner
4. Express Check
5. Undeveloped Property - Virginia Smith
6. Country Homes Subdivision
7. CSX Railway
8. Brewer Middle School
9. Woodfields Elementary School
10. Private Residence - Virginia Smith
11. Private Residence - Barry Campbell
12. Private Residence - Sandra Smith
13. Undeveloped Property - Stockman Lands, Inc.
14. Velux Greenwood, Inc.
15. Former Phillips 66 Gas Station
16. Lil Cricket / Marathon Gas Station
17. Byrd Cemetery

Legend

- Itron Property Line (Approximate)
- Parcels/ Tracts
- Potential Private Water Supply Well
- Stream/Creek
- Pond
- CSX Railroad

South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 200 400 800 Feet

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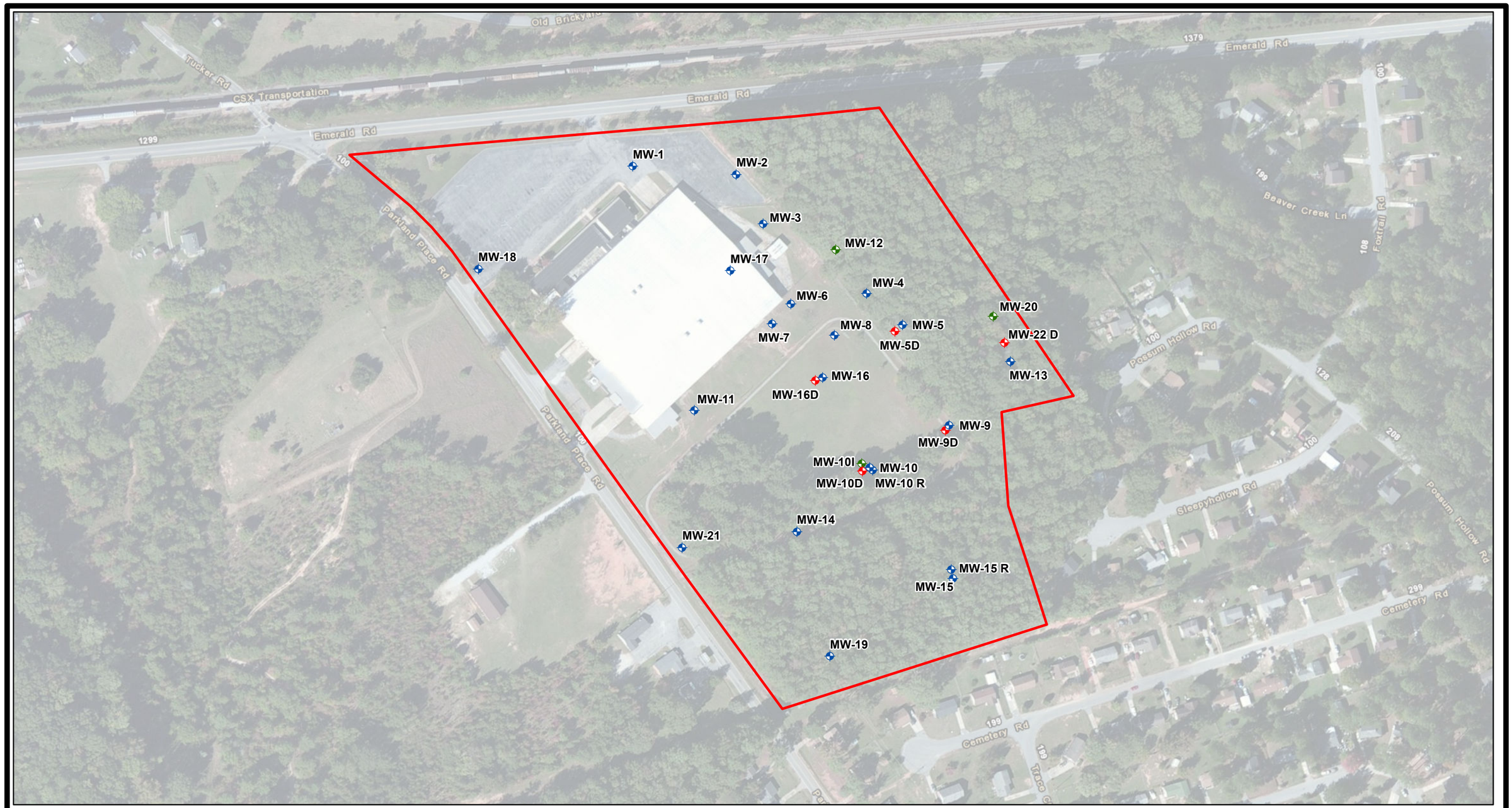
Itron

Figure 2
Site Vicinity Map



Legend

- Shallow Monitoring Well
- Intermediate Monitoring Well
- Deep Monitoring Well
- Itron Property Line (Approximate)

N

South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 200 400 Feet

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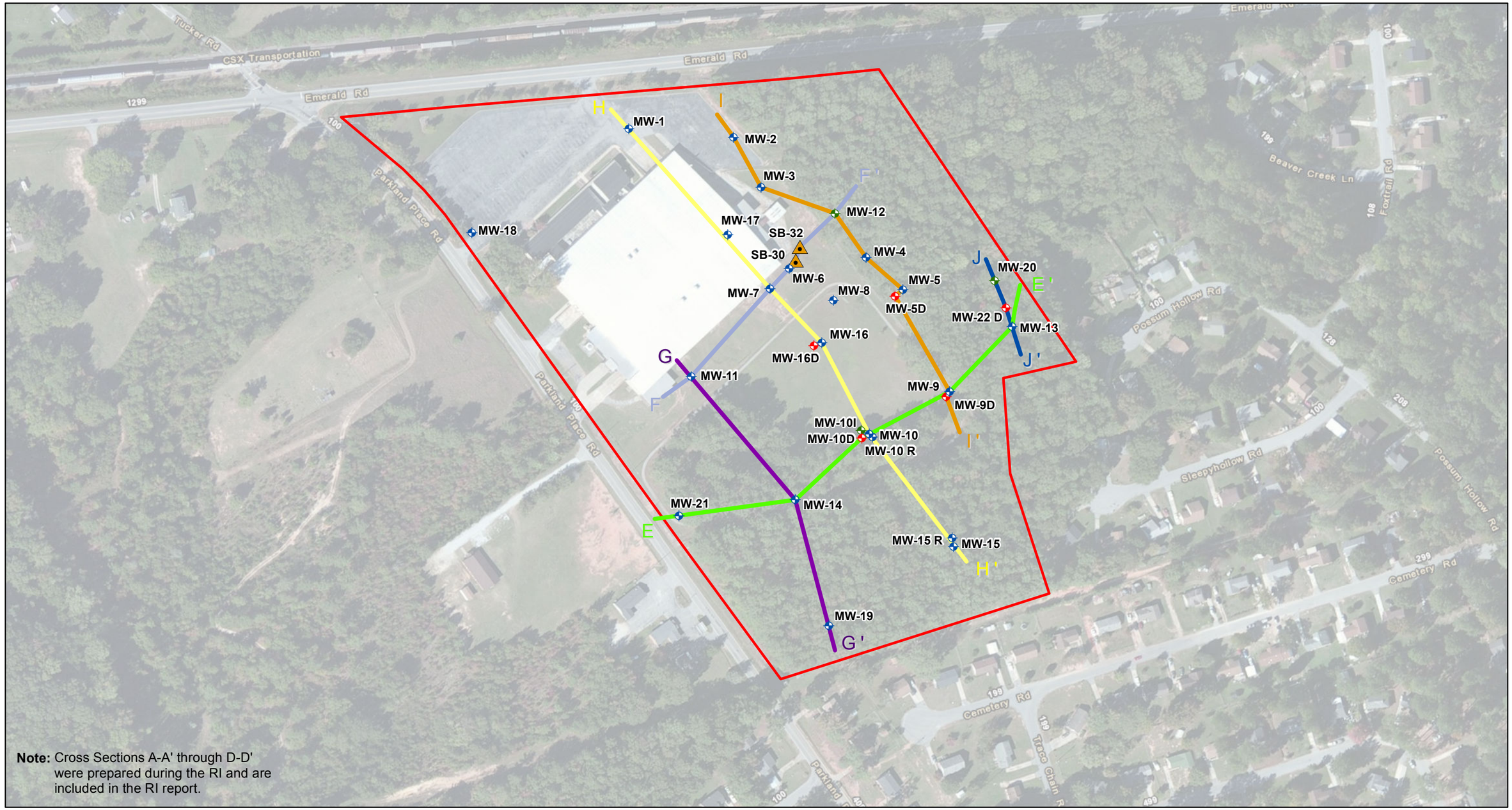
Itron

Figure 3

Monitoring Well Location Map



Note: Cross Sections A-A' through D-D' were prepared during the RI and are included in the RI report.

Legend

- Shallow Monitoring Well
- Intermediate Monitoring Well
- Deep Monitoring Well
- Soil Boring Location
- Itron Property Line (Approximate)
- Trace E-E' (MW-21, 14, 10D, 10R, 10I, 9D, 9, 13)
- Trace F-F' (MW-11, 7, 6, SB-30, SB-32, 12)
- Trace G-G' (MW-11, 14, 19)
- Trace H-H' (MW-1, 7, 16D, 16, 10D, 10I, 10, 10R, 15R, 15)
- Trace I-I' (MW-2, 3, 12, 4, 5, 5D, 9, 9D)
- Trace J-J' (MW-20, 22D, 13)

N

South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 200 400 Feet

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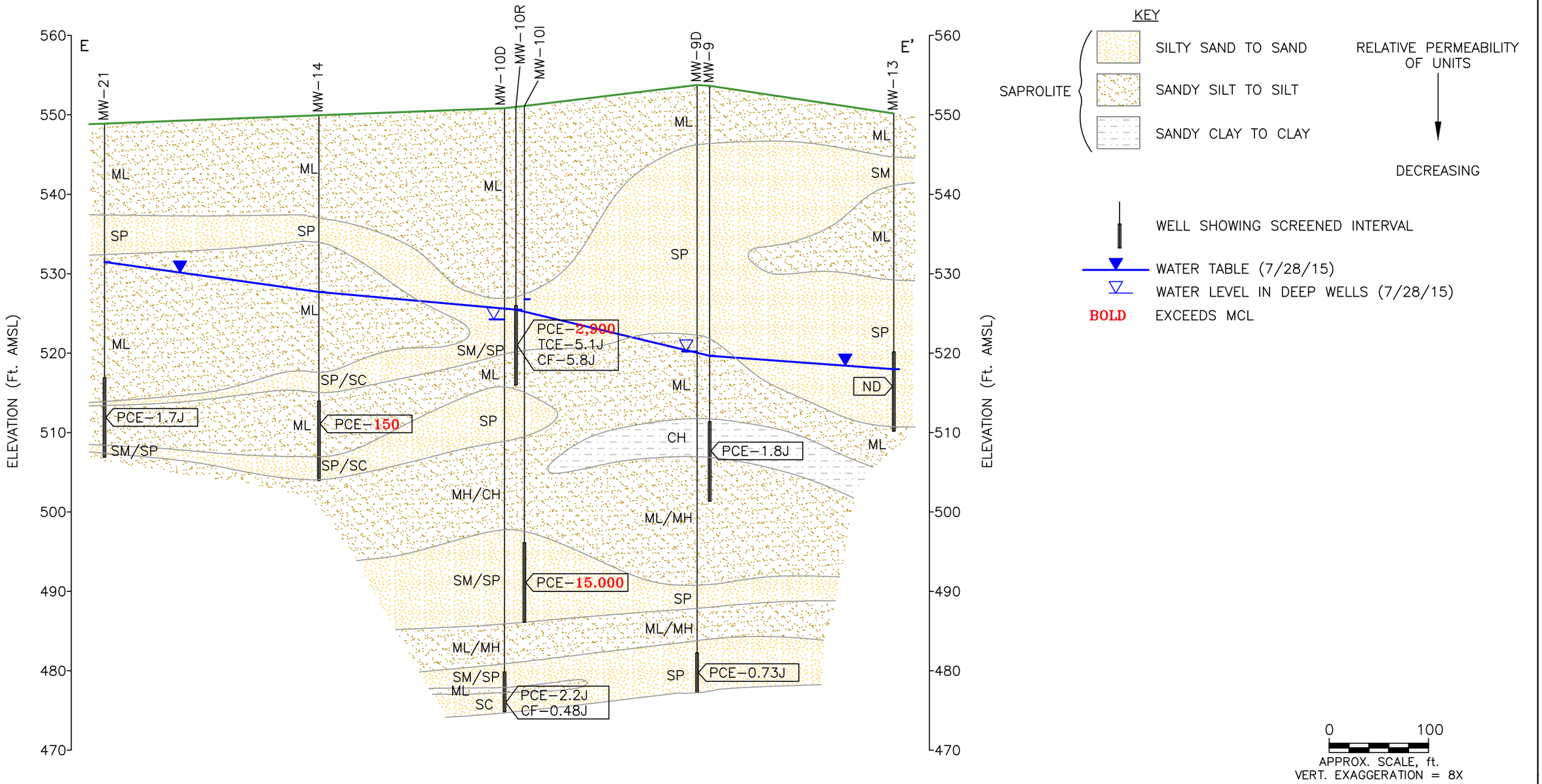
Itron

Figure 4
Trace of Geologic Cross Sections



Legend

J - Estimated Value
PCE - Tetrachloroethene
TCE - Trichloroethene
CF - Chloroform
ND - Not Detected

All groundwater results reported in ug/L (micrograms per liter).

SP - Sand, Poorly Graded
SM - Silty Sand
SC - Sandy Clay
ML - Sandy Silt
MH - Silt
CH - Clay

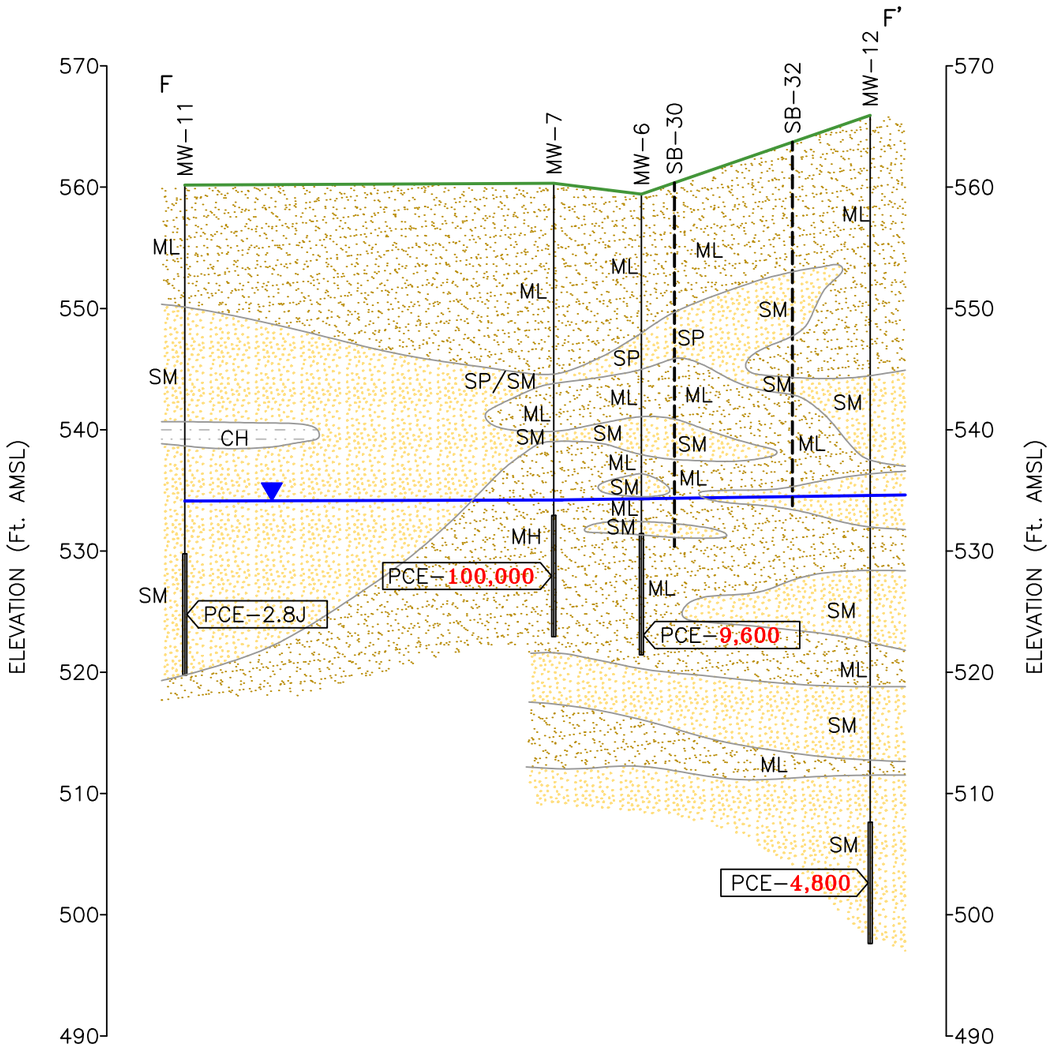
Red indicates concentrations above Maximum Contanminant Levels (MCLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

AECOM

Itrón

Figure 5
Geologic Cross Section
E-E'



KEY

SAPROLITE

- SILTY SAND TO SAND
- SANDY SILT TO SILT
- SANDY CLAY TO CLAY

RELATIVE PERMEABILITY OF UNITS

DECREASING

WELL SHOWING SCREENED INTERVAL

WATER TABLE (7/28/15)

WATER LEVEL IN DEEP WELLS (7/28/15)

BOLD EXCEEDS MCL

0 100

APPROX. SCALE, ft.
VERT. EXAGGERATION = 8X

Legend

J - Estimated Value
PCE - Tetrachloroethene

All groundwater results reported in ug/L (micrograms per liter).

SP - Sand, Poorly Graded
SM - Silty Sand
ML - Sandy Silt
MH - Silt
CH - Clay

Red indicates concentrations above Maximum Contanminant Levels (MCLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

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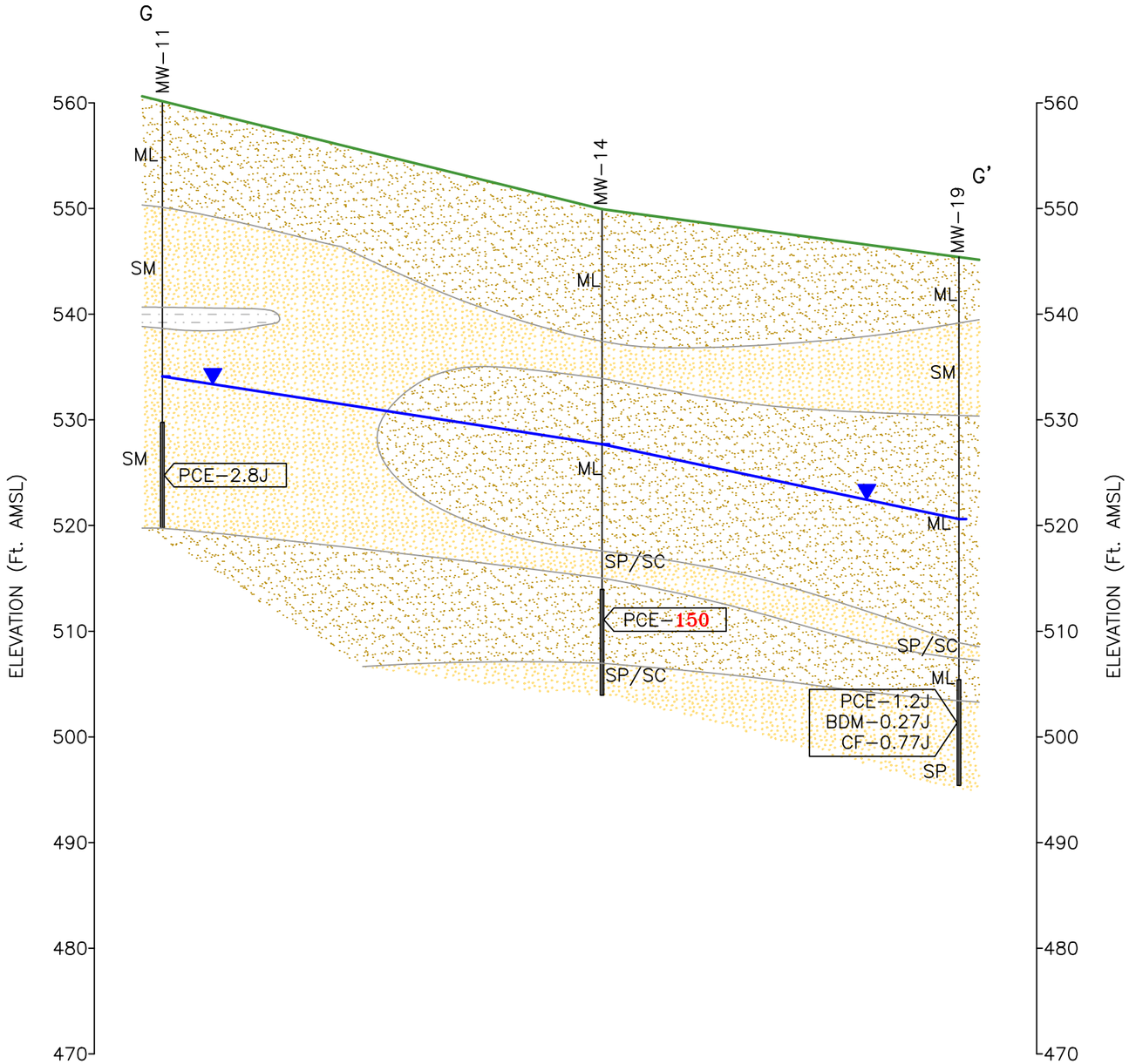
Figure 6
Geologic Cross Section
F-F'



KEY

SAPROLITE

- SILTY SAND TO SAND
- SANDY SILT TO SILT
- SANDY CLAY TO CLAY

RELATIVE PERMEABILITY OF UNITS

DECREASING

WELL SHOWING SCREENED INTERVAL

WATER TABLE (7/28/15)

WATER LEVEL IN DEEP WELLS (7/28/15)

BOLD EXCEEDS MCL

0 100

APPROX. SCALE, ft.
VERT. EXAGGERATION = 8X

Legend

J - Estimated Value
PCE - Tetrachloroethene
BDM - Bromodichloromethane
CF - Chloroform

All groundwater results reported in ug/L (micrograms per liter).

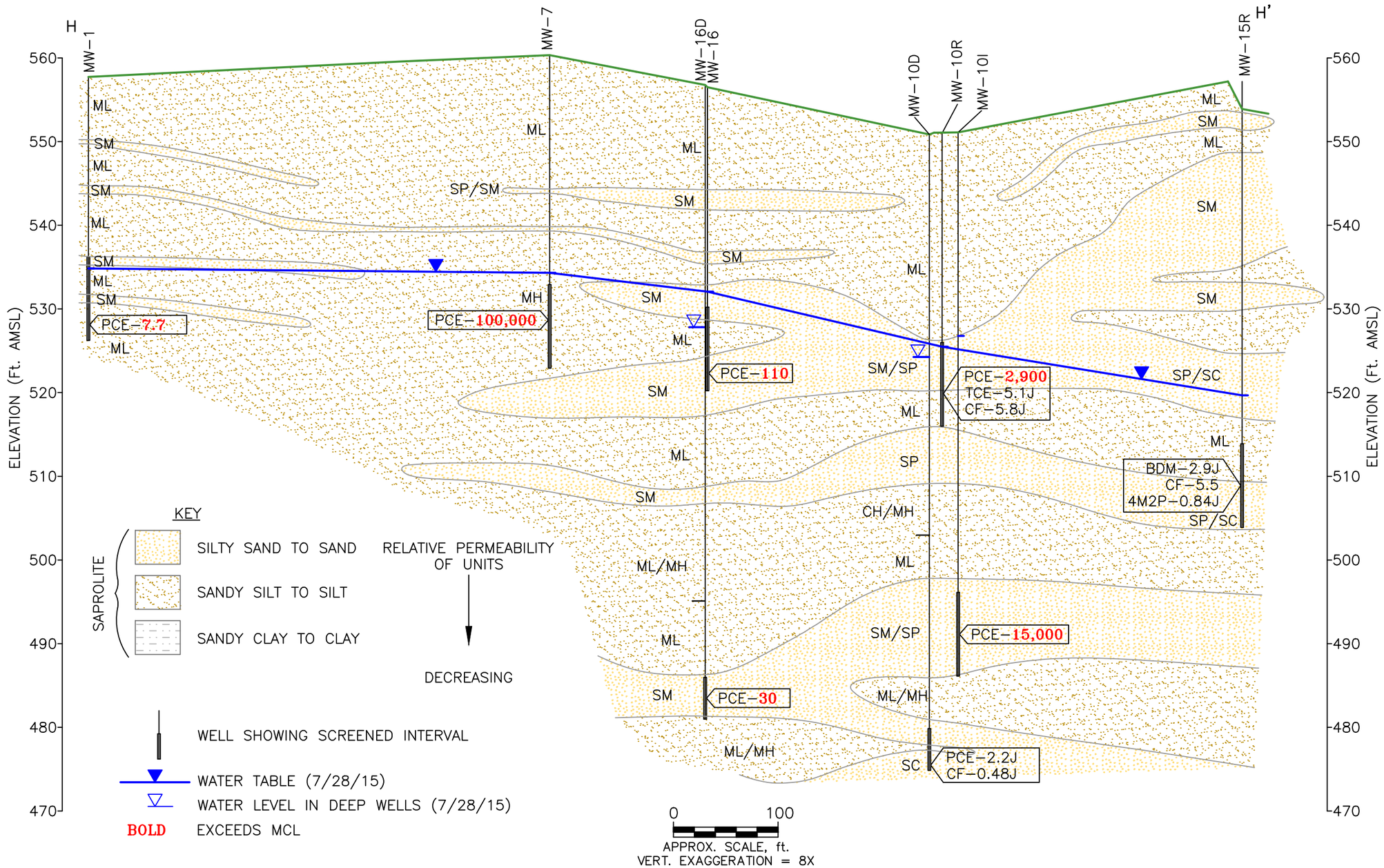
SP - Sand, Poorly Graded
SM - Silty Sand
SC - Sandy Clay
ML - Sandy Silt

Red indicates concentrations above Maximum Contanminant Levels (MCLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

AECOM Itron

Figure 7
Geologic Cross Section
G-G'



Legend

J - Estimated Value
PCE - Tetrachloroethene
TCE - Trichloroethene
BDM - Bromodichloromethane
CF - Chloroform
4M2P - 4 - Methyl - 2 - Pentanone

SP - Sand, Poorly Graded
SM - Silty Sand
SC - Sandy Clay
ML - Sandy Silt
MH - Silt
CH - Clay

Red indicates concentrations above Maximum Contanminant Levels (MCLs).

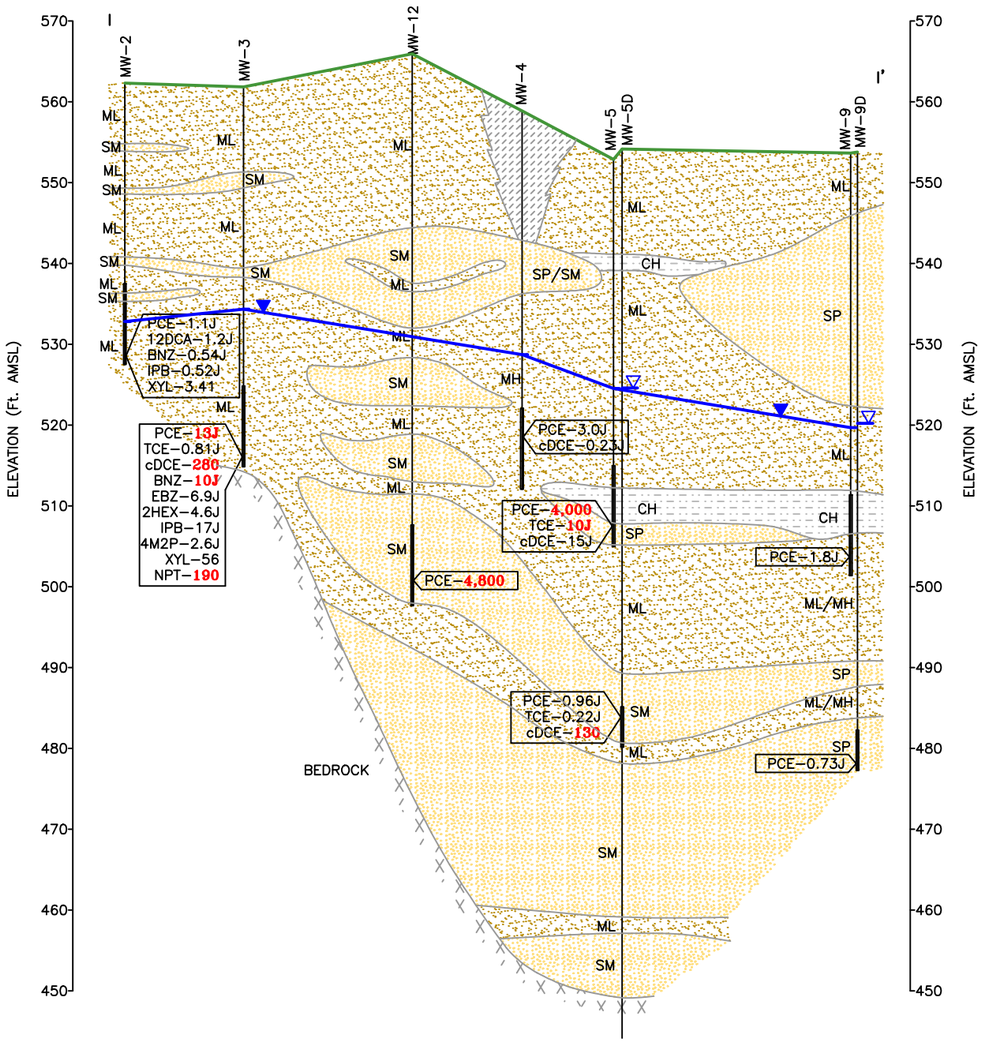
Surface layer and thin seams within the predominant soil units are not differentiated.

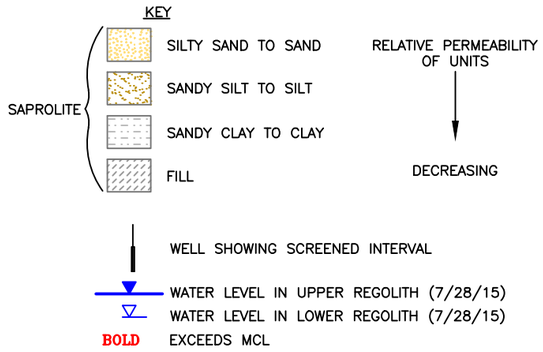
All groundwater results reported in ug/L (micrograms per liter).

AECOM

Itrón

Figure 8
Geologic Cross Section
H-H'





0 150
APPROX. SCALE, ft.
VERT. EXAGGERATION = 8X

Legend

J - Estimated Value
PCE - Tetrachloroethene
TCE - Trichloroethene
cDCE - cis - 1,2 Dichloroethene
12 DCA - 1,2 Dichloroethane

All groundwater results reported in ug/L (micrograms per liter).

EBZ - Ethylbenzene
2HEX - 2 - Hexanone
IPB - Isopropylbenzene
4M2P - 4 - Methyl - 2 - Pentanone
XYL - Xylene
NPT - Naphthalene
BNZ - Benzene

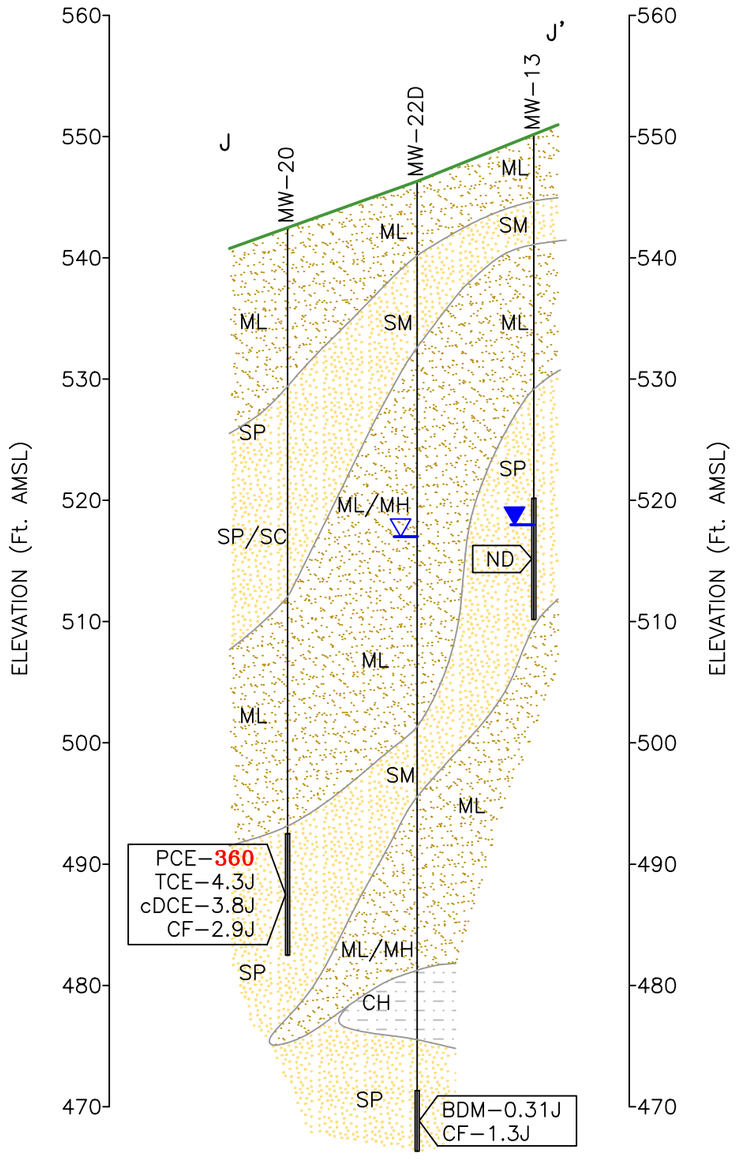
SP - Sand, Poorly Graded
SM - Silty Sand
ML - Sandy Silt
MH - Silt
CH - Clay

Red indicates concentrations above Maximum Contanminant Levels (MCLs) or Risk Based Screening Levels (RBSLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

AECOM Itron

Figure 9
Geologic Cross Section
I-I'



KEY

SAPROLITE

- SILTY SAND TO SAND
- SANDY SILT TO SILT
- SANDY CLAY TO CLAY

RELATIVE PERMEABILITY OF UNITS

DECREASING

WELL SHOWING SCREENED INTERVAL

WATER LEVEL IN UPPER REGOLITH (7/28/15)

WATER LEVEL IN LOWER REGOLITH (7/28/15)

BOLD EXCEEDS MCL

0 100

APPROX. SCALE, ft.
VERT. EXAGGERATION = 8X

Legend

J - Estimated Value
PCE - Tetrachloroethene
TCE - Trichloroethene
cDCE - cis - 1,2 Dichloroethene

All groundwater results reported in ug/L (micrograms per liter).

BDM - Bromodichloromethane
CF - Chloroform
ND - Not Detected

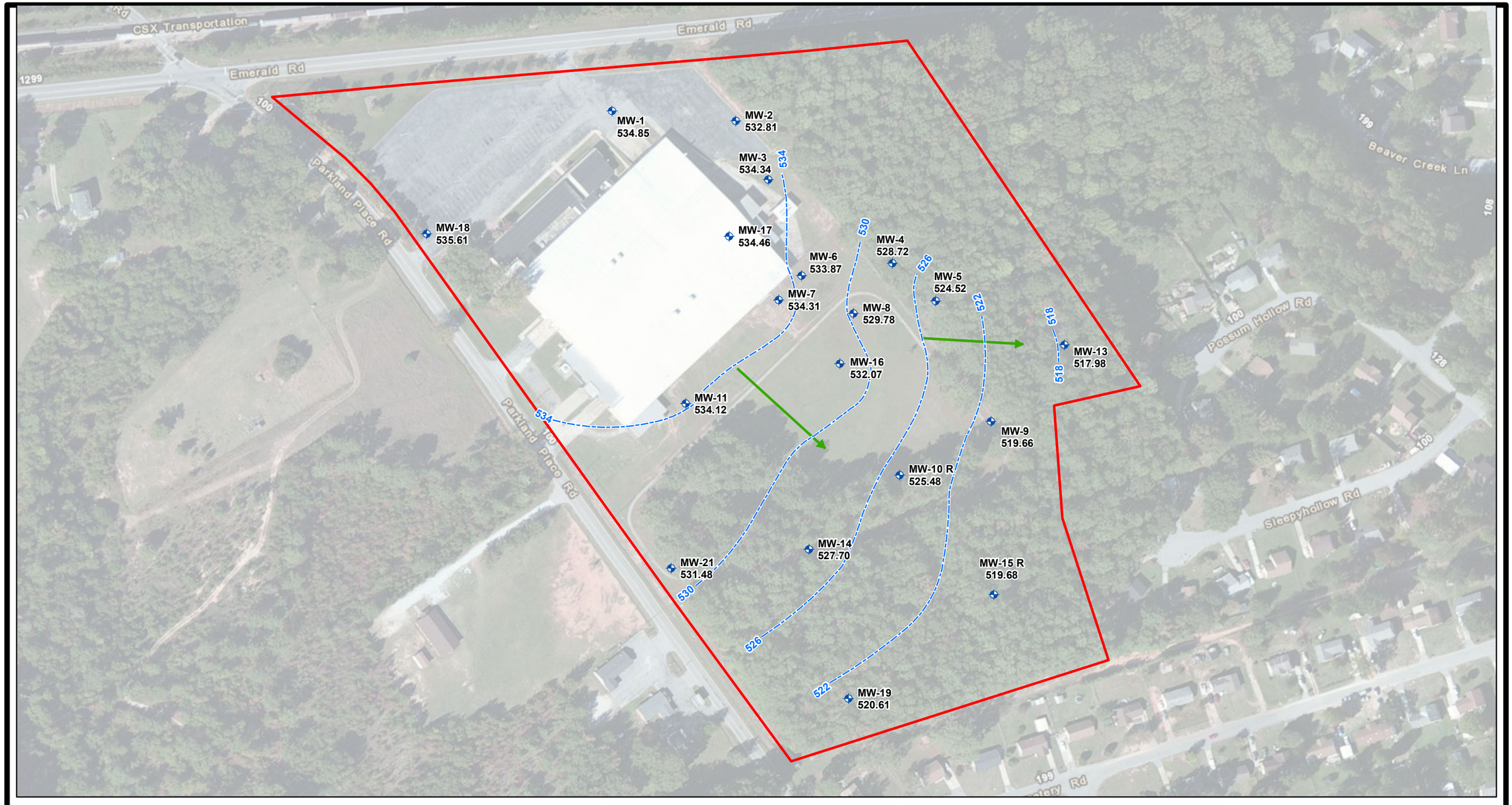
SP - Sand, Poorly Graded
SM - Silty Sand
SC - Sandy Clay
ML - Sandy Silt
MH - Silt
CH - Clay

Red indicates concentrations above Maximum Contanminant Levels (MCLs).

Surface layer and thin seams within the predominant soil units are not differentiated.

AECOM Itron

Figure 10
Geologic Cross Section
J-J'



Legend

- Shallow Monitoring Well
- 522 Potentiometric Surface Contours (feet above MSL)
- Approximate Groundwater Flow Direction
- Itron Property Line (Approximate)

MSL - Mean Sea Level

534.85 - Water Elevation (feet above MSL)

Water levels measured July 28, 2015

N

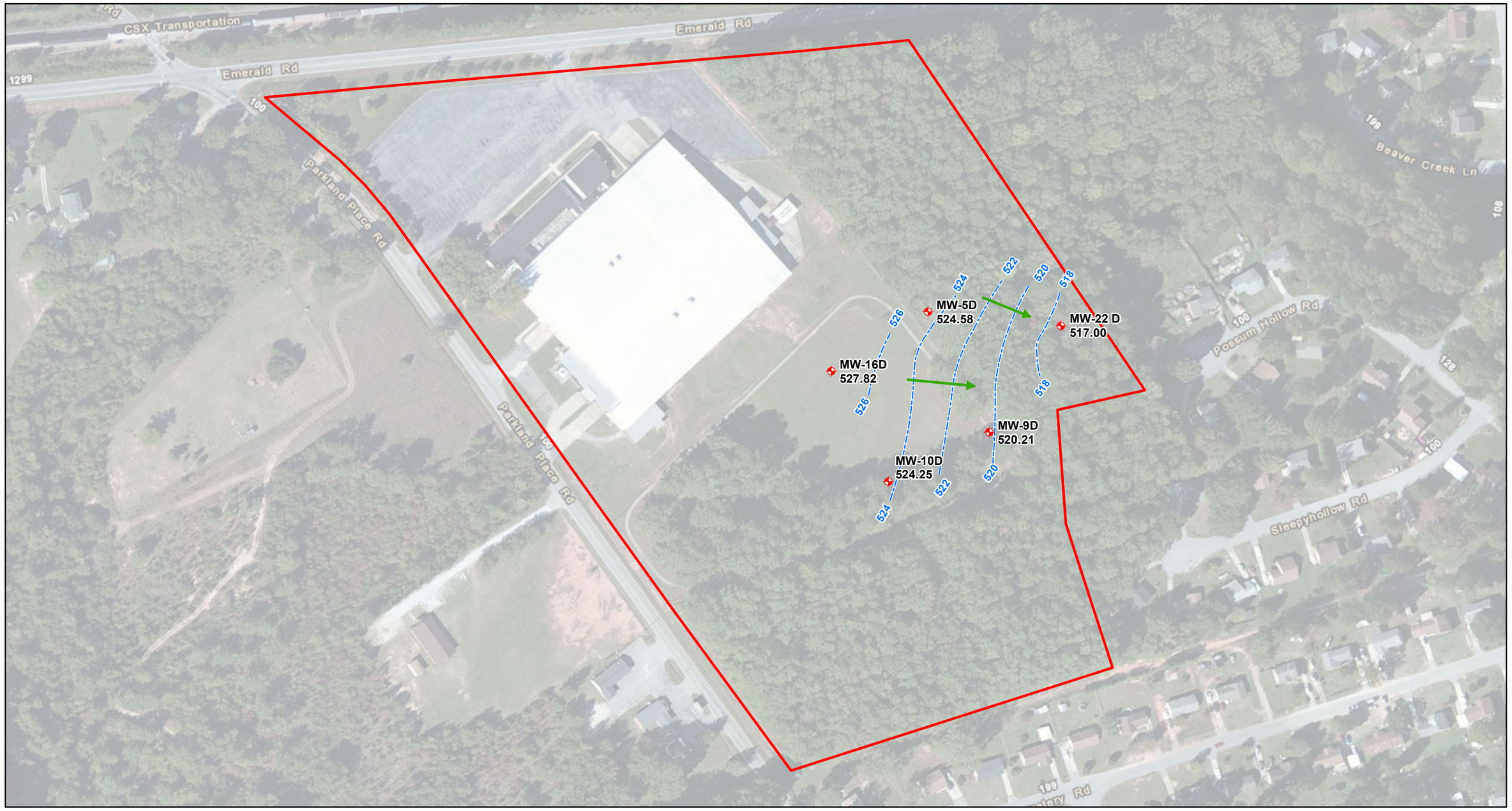
South Carolina State Plane, NAD 83
Zone 3900, International Feet

0 200 400 Feet

AECOM

Itron

Figure 11
Potentiometric Surface Map (Upper Regolith) - July 2015



Legend

- Deep Monitoring Well
- 522 ---- Potentiometric Surface Contours (feet above MSL)
- Approximate Groundwater Flow Direction
- Itron Property Line (Approximate)

MSL - Mean Sea Level

524.58 - Water Elevation (feet above MSL)

Water levels measured July 28, 2015

N

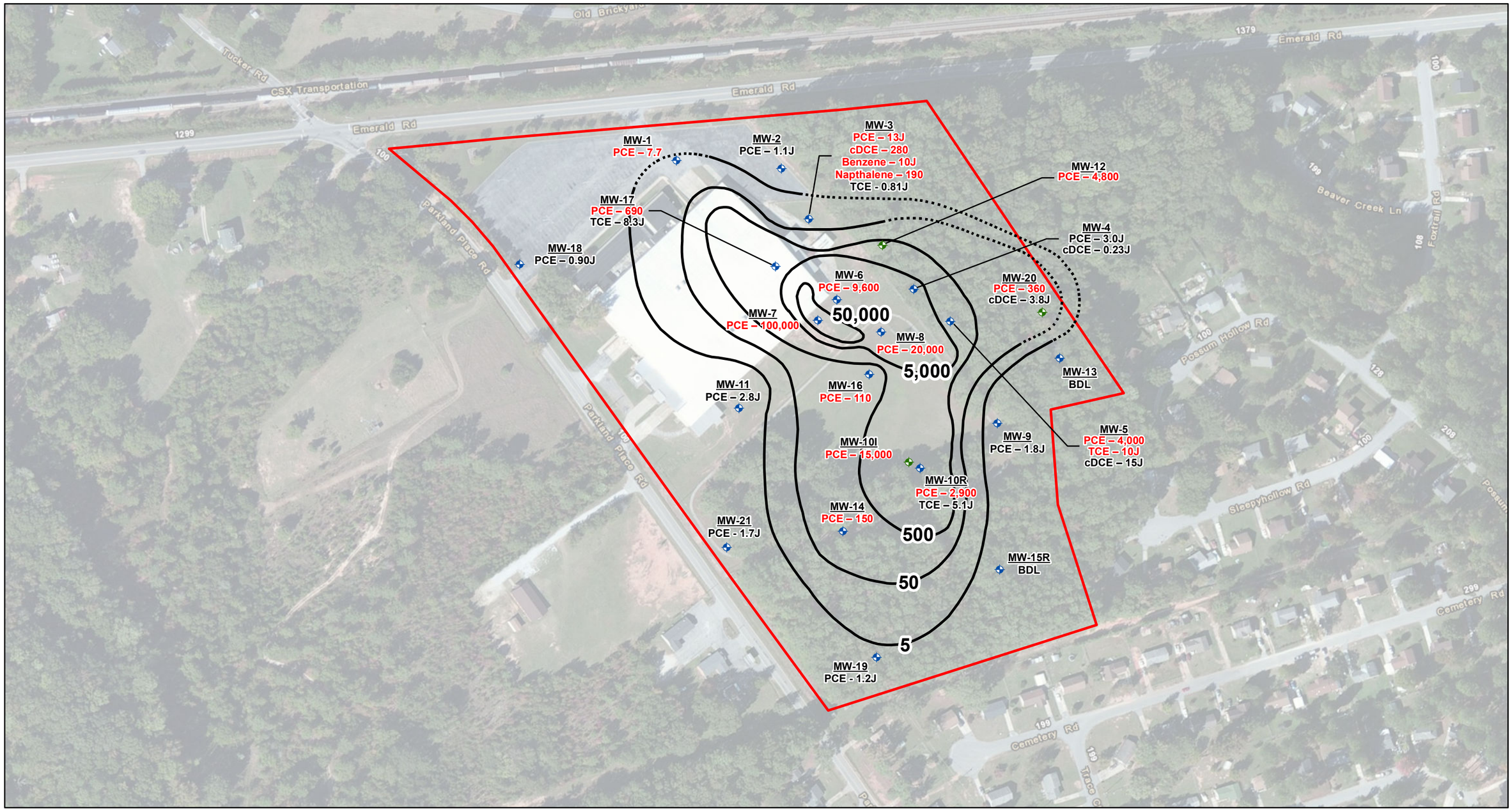
South Carolina State Plane, NAD 83 Zone 3900, International Feet

0 200 400 Feet

AECOM

Itron

Figure 12
Potentiometric Surface Map (Lower Regolith) - July 2015



Legend

- Shallow Monitoring Well
- Intermediate Monitoring Well
- PCE Isoconcentration Contours (µg/L)
- PCE Isoconcentration Contours (µg/L) - Estimated
- Itron Property Line (Approximate)

NOTES:

Red indicates concentrations above Maximum Contaminant Levels (MCLs).

All results reported in µg/l (micrograms per liter).

Only Chemicals of Concern (COCs) detected above laboratory detection limit included. Other COCs included in Table 6 of the Supplemental Remedial Investigation (SRI) Report.

Sample Date: July 28 - 29, 2015

The result for MW-4 was anomalously low (due possibly to low permeability silt in which the screen was set) and, therefore, was not used in preparing the map.

- BDL – Below Detection Limits
- J – Estimated Value
- PCE – Tetrachloroethene
- TCE – Trichloroethene
- cDCE – cis-1,2-Dichloroethene

N

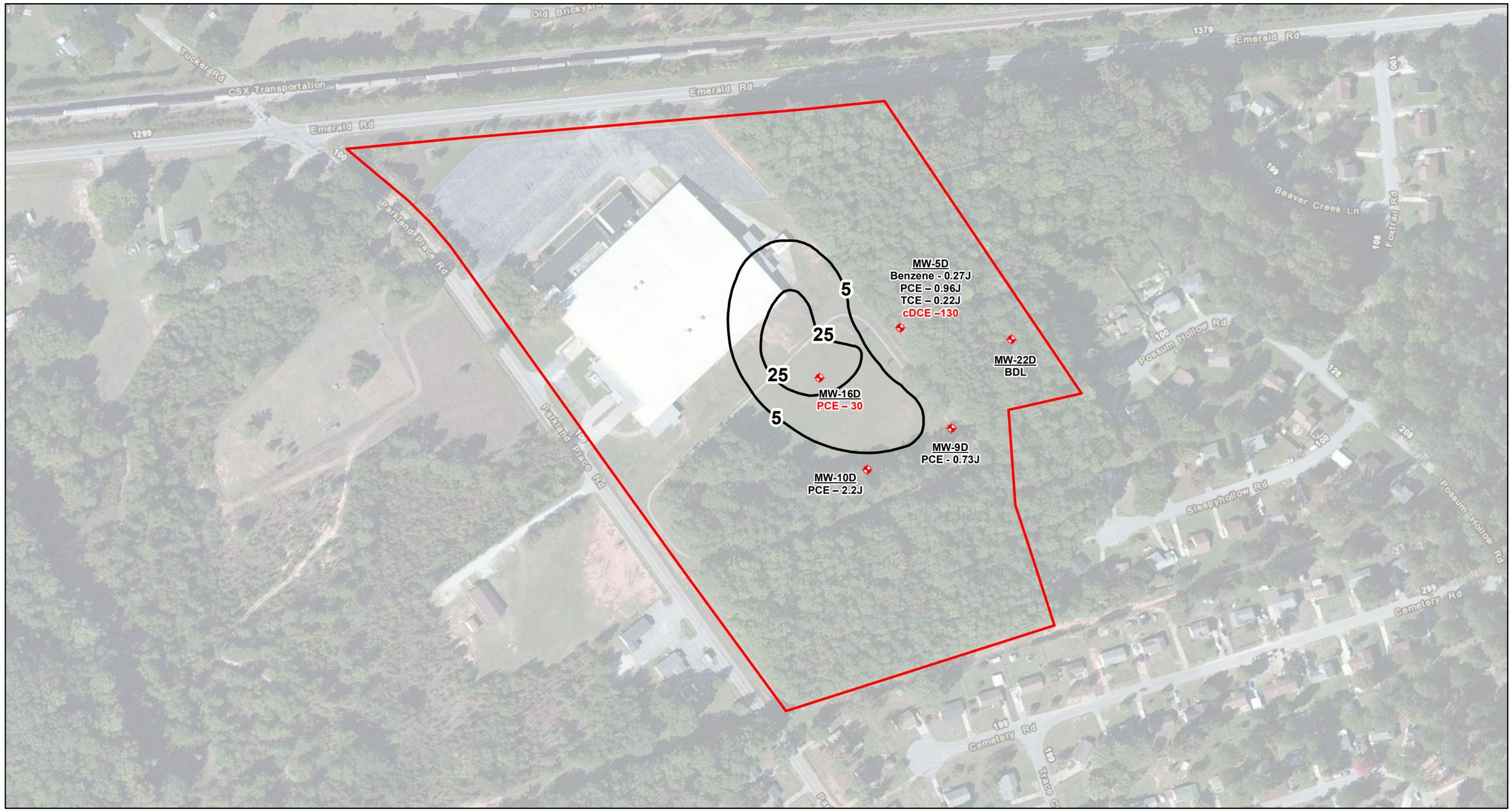
0 200 400 Feet

South Carolina State Plane, NAD 83 Zone 3900, International Feet

AECOM

Itron

Figure 13
Distribution of COCs in Upper Regolith - Groundwater
July 2015



Legend

- Deep Monitoring Well
- PCE Isoconcentration Contours (µg/L)
- Itron Property Line (Approximate)

NOTES:

Red indicates concentrations above Maximum Contaminant Levels (MCLs).

All results reported in µg/l (micrograms per liter).

Only Chemicals of Concern (COCs) detected above laboratory detection limit included. Other COCs included in Table 6 of the Supplemental Remedial Investigation (SRI) Report.

Sample Date: July 28 - 29, 2015

- BDL– Below Detection Limits
- J – Estimated Value
- PCE – Tetrachloroethene
- TCE – Trichloroethene
- cDCE – cis-1,2-Dichloroethene

N

South Carolina State Plane, NAD 83 Zone 3900, International Feet

0 200 400 Feet

AECOM

Itron

Figure 14
Distribution of COCs in Lower Regolith - Groundwater
July 2015

Appendix A: Photo Log

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	60429584

Photo No. 1

View Direction of Photo: Northeast

Date of Photo: 07/13/2015

Description:

View of drill crew set up on monitoring well location MW-10I.

Photo No. 2

View Direction of Photo: East

Date of Photo: 07/13/2014

Description:

View of drill crew set up on monitoring well location MW-10R.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	60429584

Photo No. 3

View Direction of Photo: Southeast

Date of Photo: 07/14/2015

Description:

View of drill crew set up at monitoring well location MW-21 near the southwest corner of the fenced portion of the property.

Photo No. 4

View Direction of Photo: Northeast

Date of Photo: 07/13/2015

Description:

Outside of temporary fence compound/IDW storage area.

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	60429584

Photo No. 5

View Direction of Photo: Southwest

Date of Photo: 07/14/2015

Description:

Inside of temporary fence compound located near northeast corner of the property. Compound was utilized as a staging area for Investigative Derived Waste Drums (IDW) during the course of the Supplemental Remedial Investigation (RI).

Photo No. 6

View Direction of Photo: North

Date of Photo: 07/15/2015

Description:

View of drill crew set up at monitoring well location MW-20 near the eastern property boundary on the site.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	60429584

Photo No. 7

View Direction of Photo: East

Date of Photo: 07/15/2015

Description:

View of drill crew set up at monitoring well location MW-22D near the eastern property boundary on the site.

Photo No. 8

View Direction of Photo: North

Date of Photo: 07/17/2015

Description:

View of drill crew set up at monitoring well location MW-19 near the southwest property boundary on the site.

URS

PHOTOGRAPHIC RECORD

Client Name:	Site Location:	Project No.
Itron, Inc.	1310 Emerald Road, Greenwood, South Carolina	60429584

Photo No. 9

View Direction of Photo: South

Date of Photo: 07/22/2015

Description:

Development pump set up at well location MW-15R near the south property boundary on the site.

Photo No. 10

View Direction of Photo: Northwest

Date of Photo: 07/17/2015

Description:

Inside of temporary fence compound located near northeast corner of the property.

Appendix B: Well Boring Logs

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-10I

Date(s) Drilled	**7/13/15**	Logged By	**R. Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**65 feet bgs**
Drill Rig Type	**Terrasonic 150 cc**	Drill Bit Size/Type	**4"**	Ground Surface Elevation (feet MSL)	**551.3**
Groundwater Level	**24.3 ft bgs at 0920 7/14/15**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**Hole Plug to 69'**	Location	**~25' N of MW-10**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0					0.0		SM	Grassed surface		
								CH	Silty SAND with roots		
550						0.1			Moderate reddish brown becoming dark yellowish orange with yellowish gray mottling, sandy fat inorganic CLAY, highly plastic, massive (stiff) (dry to moist) SAPROLITE (no odor)		
						0.1					
						0.0					PP = 2.75 TSF
	5				100	0.0					
						0.1					
545						0.1		SM	Dark yellowish orange with white inclusions fine silty SAND (loose) (dry) SAPROLITE (no odor)		
						0.0					
						0.2		ML	Light to moderate brown SILT, few fine sand, low plasticity, massive (moist to dry) SAPROLITE (no odor) (greasy texture) Moderate brown fine sandy SILT, little mica, black horizontal to vertical banding (moist) (stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)		
						0.4					
	10					0.0					
540						0.0					
						0.0					
						0.2					
						0.3					
	15				100	0.0					
						0.0					
535						0.0		CL	Light pinkish red, white lean clay seams ~1/8" thick, fine sandy lean CLAY, inorganic, trace medium subangular sand (moist) (low plasticity) SAPROLITE (no odor)		PP = 0.25 TSF
						0.0					
						0.0		ML	Dark yellowish orange, light brown, fine sandy SILT, little mica, black horizontal to vertical banding (moist) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)		
	20					0.0					
						0.1					
530						0.1					
						0.0					
						0.0		ML/MH	Light brown with dark yellowish orange mottling, fine sandy SILT, some mica, little lean inorganic clay, horizontal to vertical black banding (moist) (soft) (high plasticity) SAPROLITE (no odor) (greasy texture)		
						0.0			24.3 ft ▼		
	25				100	0.1					PP = 1.0 TSF
						0.0					
525						0.2					
						0.0					
						0.0			▽		
	30					0.0		SP	Very light olive to white fine to medium SAND, little mica, trace fine gravel, subangular (wet) (loose) SAPROLITE (no odor)		

ENV2 WITH WELL J:\PROJECTS\GRFX\AECOM PROJECTS\60429584 ITRON GREENWOOD\60429584LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 9/1/15

URS

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-10I

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
520	30			100	0.0		ML	Dark yellowish orange to light olive fine sandy SILT, little mica, yellowish gray mottling, black banding (moist) (soft) (low plasticity) SAPROLITE (no odor) (greasy texture)	PP = 0.75 TSF
					0.1				
					0.3				
					0.0				
	35				0.0				
					0.2				
515					5.7		SP	White fine to medium SAND seam (wet)	
					6.3		ML	Dark yellowish orange to light olive fine sandy SILT, white inclusions (soft) (moist) SAPROLITE (no odor) (greasy texture)	
					7.1				
					11.0				
	40				11.1		SP	Yellowish gray silty fine to coarse SAND, little mica, dark yellowish orange mottling (wet) (medium dense) (non-plastic) SAPROLITE (no odor)	
510					20.9				
					32.1				
					21.5				
					19.0				
	45				16.2				
505					10.2		ML	Moderate brown and yellowish gray fine sandy SILT, black banding at 45° (wet) (stiff) (low plasticity) SAPROLITE (no odor)	
					7.0				
					92.3				
					107.4				PP = 1.0 TSF
	50				34.7				
500					17.2				
					18.4				
					24.2				
					26.3				
	55				14.2				
495					0.0		SM/SP	Light olive, white with black inclusions, silty fine to coarse SAND, little mica, dark yellowish orange banding (wet) (medium dense) SAPROLITE (no odor)	
					0.5				
					0.7				
					9.2				
	60				0.0				
490					0.0				
					0.0		ML	Dark yellowish orange to moderate yellowish brown with dark grayish olive banding, fine sandy SILT, little mica (moist) (very stiff) (low plasticity)	
					0.0				
					0.0				
	65				0.0				

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-10I

Elevation, feet	Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
485	65							Boring was completed to 65' bgs. Groundwater was encountered at 28.7 ft bgs, while drilling. Boring was completed as monitoring well: 0-47.9 ft bgs 2" schedule 40 flush threaded PVC casing 47.9-57.9 ft bgs 2" schedule 40 PVC screen #10 slot 0.010" PVC screen 0-41.7 ft bgs Neat cement grout 41.7-44.4 ft bgs Bentonite seal 44.4-65.0 ft bgs Filter pack Flush mount monument		
480	70									
475	75									
470	80									
465	85									
460	90									
455	95									
	100									

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-10R

Sheet 1 of 2

Date(s) Drilled	**7/14/15**	Logged By	**R. Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**35 feet bgs**
Drill Rig Type	**Terrasonic 150 cc**	Drill Bit Size/Type	**4"**	Ground Surface Elevation (feet MSL)	**551.2**
Groundwater Level	**28 ft bgs WD**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**~12' S of MW-10**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0					0.0		SM	Grassed surface		
						0.0		CH	Fine silty SAND with roots		
550						0.2			Moderate brown becoming dark yellowish orange with moderate red mottling, sandy fat inorganic CLAY, highly plastic, massive (stiff) (moist) SAPROLITE (no odor)		
						0.1					
						0.6					
	5				100	0.4					
545						0.2					
						0.0		SM	Dark yellowish orange, light pinkish red white fine to medium		
						0.0		ML	SAND (loose) (dry) SAPROLITE (no odor)		
						1.4			Light brown SILT, little fine sand, low plasticity (moist to dry)		
						2.5		CH	SAPROLITE (no odor)		
	10					1.7			Dark reddish brown with dark brown mottling sandy fat CLAY, few fine sand, mostly plastic, inorganic, massive (stiff) SAPROLITE (no odor)		
540						0.8					
						0.5					
						1.1					
						2.4					
	15				100	3.2					
						0.7		SM	Dark yellowish orange, light pinkish red, white silty fine to medium		
535						1.3		CH	SAND, non-plastic (loose) (dry to moist) SAPROLITE (no odor)		
						2.9			Dark reddish brown with dark brown mottling sandy fat CLAY, few fine sand, highly plastic, inorganic, massive (stiff) (moist) SAPROLITE (no odor)		
						8.8					
	20					7.1		ML	Light brown SILT, some fine sand, little lean clay (moist)		
						4.3		CH	SAPROLITE (no odor)		
530						6.1			Dark reddish brown with dark brown mottling, sandy fat CLAY, few fine sand, highly plastic, inorganic, massive (stiff) (moist)		
						9.6		ML	SAPROLITE (no odor)		
						19.3			Light brown SILT, some fine sand, little lean clay (moist)		
	25					4.4		CH	SAPROLITE (no odor)		
525						4.1			Dark reddish brown with dark brown mottling, sandy fat CLAY, few fine sand, highly plastic, inorganic, massive (stiff) (moist)		
						3.6			SAPROLITE (no odor)		
						3.8			28 ft ▼		
	30					4.2			Becoming noticeably more wet at 28'		

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-10R

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
520	30				5.1 6.7 0.8 5.3 8.4		SP/SM	Light brown poorly graded fine to medium SAND and SILT with yellowish gray mottling and black inclusions, few lean clay (loose) (wet) SAPROLITE (no odor)		
515	35							Boring was completed to 35' bgs. Groundwater was encountered at 28.0 ft bgs. Boring was completed as monitoring well: 0-25.1 ft bgs 2" schedule 40 flush threaded PVC casing 25.1-35.1 ft bgs 2" schedule 40 PVC screen #10 slot 0.010" PVC screen 0-19.5 ft bgs Neat cement grout 19.5-23.0 ft bgs Bentonite seal 23.0-35.4 ft bgs Filter pack Flush mount monument		
510	40									
505	45									
500	50									
495	55									
490	60									
	65									

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-15R

Sheet 1 of 2

Date(s) Drilled	**7/16/15**	Logged By	**R. Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**50 feet bgs**
Drill Rig Type	**Terrasonic 150 cc**	Drill Bit Size/Type	**4"**	Ground Surface Elevation (feet MSL)	**553.89**
Groundwater Level	**35 ft bgs WD**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**8' N of MW-15 in heavily wooded area**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
550	0					0.0		SM	Heavily wooded area		
								ML	Dusky brown silty fine SAND, little roots		
									Moderate reddish brown fine sandy SILT with yellowish gray partings (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
						0.0					
						0.0					
						0.0					
						0.0					
	5				100	0.0					
						0.0		SM	Moderate reddish brown silty fine to medium SAND (dry) (loose) SAPROLITE (no odor)		
						0.0					
545						0.0					
						0.0					
	10					0.0			Becoming yellowish gray silty fine SAND, little mica, dark yellowish orange mottling (dry) (loose) SAPROLITE (no odor)		
						0.0					
						0.0					
						0.0					
540						0.0					
	15				100	0.0					
						0.0					
						0.0					
						0.0					
						0.0					
535						0.0					
	20					0.0					
						0.0					
						0.0					
						0.0					
						0.0					
530						0.0		ML	Grayish olive and white SILT seam		
	25				100	0.0		SM	Yellowish gray silty fine SAND, little mica (moist) (loose) SAPROLITE (no odor)		
						0.0					
						0.0		ML	Light olive gray fine sandy SILT, little mica, white and black banding (moist) (soft) (low plasticity) SAPROLITE (no odor)		
						0.0					
525						0.0					
	30					0.0					

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URS

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-15R

Elevation, feet	Downhole Depth, feet	SAMPLES: Type Number	SAMPLES: Blows/ 6in.	SAMPLES: Recovery (%)	SAMPLES: PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
525	30				0.0		ML	Light olive gray fine sandy SILT, little mica, white and black banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)	
520	35				0.0		SP/SC	Dark yellowish orange silty fine to coarse SAND, little mica, lean inorganic clay, white banding (wet) (loose) SAPROLITE (no odor) 35 ft ▼	
515	40				0.0		ML	Dark yellowish orange fine sandy SILT, few mica with light olive and white mottling and black vertical and horizontal banding (wet) (very stiff) (low plasticity) SAPROLITE (no odor)	
510	45				0.0		SP/SC	Dark yellowish orange fine to coarse SAND, with white quartz veins at 45°, little mica and lean inorganic clay (wet) (dense) SAPROLITE (no odor)	
505	50							Boring was completed to 50' bgs. Groundwater was encountered at 35 ft bgs. Boring was completed as monitoring well: 0-39.2 ft bgs 2" schedule 40 flush threaded PVC casing 39.2-49.2 ft bgs 2" schedule 40 PVC screen #10 slot 0.010" PVC screen 0-33.0 ft bgs Neat cement grout 33.0-37.4 ft bgs Bentonite seal 37.4-50.0 ft bgs Filter pack Stickup monument	
500	55								
495	60								
490	65								

URS

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-19

Sheet 1 of 2

Date(s) Drilled	**7/17/15**	Logged By	**A. Council**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**50 feet bgs**
Drill Rig Type	**Terrasonic 150 cc**	Drill Bit Size/Type	**4"**	Ground Surface Elevation (feet MSL)	**545.41**
Groundwater Level	**25 ft bgs WD**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**SW corner of property near gas line right of way**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
545	0					0.0		SM	Heavily wooded area		
						0.0		ML	Dusky brown silty fine SAND, little roots		
						0.0			Moderate reddish brown fine sandy SILT with yellowish gray banding (moist) (stiff) (low plasticity) SAPROLITE (no odor)		
						0.0					
						0.0					
540	5				100	0.0					
						0.0		SM	Moderate reddish brown silty fine to medium SAND (dry) (loose) SAPROLITE (no odor)		
						0.0					
						0.0					
						0.0					
535	10								No recovery		
530	15				50	0.0		ML	Yellowish gray fine sandy SILT, little mica, dark brown banding (stiff) (moist) (low plasticity) SAPROLITE (no odor)		
						0.0					
						0.0					
						0.0					
						2.2					
525	20					1.6					
						1.2					
						0.9					
						3.2			Light olive gray fine sandy SILT, little mica, dark yellowish orange, black and white horizontal to vertical banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
						4.5					
520	25				100	1.4			25 ft ▼		
						0.8					
						0.7					
						0.6					
						1.3					
	30										

ENV2 WITH WELL J:\PROJECTS\GRFX\AECOM PROJECTS\60429584 ITRON GREENWOOD\60429584LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 9/1/15

URS

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-19

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION		REMARKS AND WELL DETAILS
515	30				1.2		ML	Light olive gray fine sandy SILT, little mica, dark yellowish orange, black and white horizontal to vertical banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
					0.6					
					0.6					
					1.6					
					3.9					
510	35				1.8					
					1.4		SP/SC	Dark yellowish orange silty fine to coarse SAND, little mica, lean inorganic clay, white banding (moist) (loose) SAPROLITE (no odor)		
					1.2					
					1.0		ML	White to yellowish gray, fine to coarse sandy SILT, little mica, black horizontal to vertical banding (wet) (stiff) (low plasticity) SAPROLITE (no odor)		
					0.8					
505	40				0.2					
					0.5					
					0.9		SP	Light gray fine to coarse SAND, non plastic (wet) (medium dense) SAPROLITE (no odor)		
					0.8					
					2.3					
500	45				1.4					
					1.2					
					1.6					
					1.7					
495	50				1.7			Boring was completed to 50' bgs. Groundwater was encountered at 25 ft bgs. Boring was completed as monitoring well: 0-39.2 ft bgs 2" schedule 40 flush threaded PVC casing 39.2-49.2 ft bgs 2" schedule 40 PVC screen #10 slot 0.010" PVC screen 0-34.0 ft bgs Neat cement grout 34.0-36.9 ft bgs Bentonite seal 36.9-50 ft bgs Filter pack Stickup monument		
490	55									
485	60									
	65									

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-20

Sheet 1 of 2

Date(s) Drilled	**7/15/15**	Logged By	**R. Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**60 feet bgs**
Drill Rig Type	**Terrasonic 150 cc**	Drill Bit Size/Type	**4"**	Ground Surface Elevation (feet MSL)	**542.5**
Groundwater Level	**24 ft bgs WD**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Heavily wooded area east of facility**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
542	0					4.9		SM	Heavily wooded area		
								ML	Dusky brown fine silty SAND, detritus pine bark and roots (TOPSOIL)		
						24.5			Moderate reddish brown, fine sandy SILT, few mica with yellowish gray and white partings (dry to moist) (medium stiff) (low plasticity) SAPROLITE (no odor) (trace subangular quartz fine gravel 1/2"-3/4" diameter)		
540						0.0					
						0.0					
	5				100	0.0					
						0.0					
535						0.0					
						0.1					
						0.0					
						0.0					
	10					0.1			Fining downward		
						0.0					
530						0.0					
						0.2		SP	Yellowish gray with light brown banding silty fine to coarse SAND, little mica (moist) (loose) SAPROLITE (trace fine gravel) (no odor)		
						0.0					
	15				100	0.0					
						0.3					
525						0.1					
						0.0			Becoming all yellowish gray and homogeneous		
						0.0					
	20					0.0		SP/SC	Yellowish gray to light brown with white lean clay inclusions, silty fine to coarse SAND (moist to wet) (loose) SAPROLITE (no odor)		
						0.1					
520						0.1					
						0.0			24 ft ▼		
						0.0					
	25				100	0.03					
						0.2					
515						0.0					
						0.4					
	30					0.7					

URS

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-20

Sheet 2 of 2

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	SAMPLES Blows/ 6in.	SAMPLES Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
510	30				0.6		ML	Yellowish gray to dark yellowish orange fine sandy SILT, little mica, 45° white quartz seams 1" thick, horizontal to vertical black banding (wet) (stiff) (low to moderate plasticity) SAPROLITE (no odor) (greasy texture)	
					0.0				
					1.1				
					1.4				
	35			100	2.3				
					0.8				
505					0.0				
					0.0				
					0.1			Grading to Dark olive with dark yellowish orange mottling and white quartz, subangular, medium to coarse gravel seams, fine sandy silt (wet) (soft) (low plasticity) SAPROLITE	
	40				0.0				
					0.2				
500					0.0				
					0.0			Grading to Dark yellowish orange with black banding fine sandy SILT, massive, little mica (wet) (stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)	
					0.2				
					0.0				
	45			100	0.3				
					0.2				
495					0.1				
					0.0				
					0.0			Sharp contact	
	50				0.1		SP	Dark olive with black banding silty fine to coarse SAND with white quartz coarse sand to fine gravel, subangular (wet) (loose) SAPROLITE (no odor)	
					0.2				
490					0.0			Fining downward, grading to Yellowish gray with white quartz medium to coarse subangular SAND (wet) (loose) SAPROLITE (no odor)	
					0.0				
					0.0				
	55			100	0.1				
					0.1				
485					0.0				
					0.0				
					0.0				
	60							Boring was completed to 60' bgs. Groundwater was encountered at 24.0 ft bgs. Boring was completed as monitoring well: 0-49.0 ft bgs 2" schedule 40 flush threaded PVC casing; 49.0-59.0 ft bgs 2" schedule 40 PVC screen #10 slot 0.010" PVC screen; 0-41.4 ft bgs Neat cement grout; 41.4-46.7 ft bgs Bentonite seal; 46.7-60.0 ft bgs Filter pack; Stickup monument	
480									
	65								

ENV2 WITH WELL J:\PROJECTS\GRFX\AECOM PROJECTS\60429584 ITRON GREENWOOD\60429584LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 9/1/15

URS

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-21

Sheet 1 of 2

Date(s) Drilled	**7/14/15**	Logged By	**R. Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**42 feet bgs**
Drill Rig Type	**Terrasonic 150 cc**	Drill Bit Size/Type	**4"**	Ground Surface Elevation (feet MSL)	**548.9**
Groundwater Level	**24 ft bgs WD**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**SW corner of fenced-in area of facility**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
	0					0.0		SM	Grassed surface		
						0.0		ML	Dusky brown silty fine SAND (TOPSOIL)		
						0.0			Moderate reddish brown fine sandy SILT, little mica, dark yellowish brown and yellowish gray banding (moist) (stiff) (low plasticity) SAPROLITE (no odor)		
545						0.3					
	5				100	0.1					
						0.0					
						0.2					
						0.0					
540						0.0					
	10					0.3					
						0.4					
						0.1		SM	Dark yellowish orange to light olive with white inclusions silty fine to medium SAND, little mica (moist) (loose) (non-plastic) SAPROLITE (no odor)		
						0.0					
535						0.0					
	15				100	0.0					
						0.1					
						0.1		ML	Yellowish gray fine sandy SILT, little mica, dark brown banding (stiff) (moist) (low plasticity) SAPROLITE (no odor)		
						0.0					
530						0.3					
						0.1					
	20					0.0					
						0.0					
						0.0					
525						0.4			24 ft ▼		
						0.1			Becoming		
	25				90	0.0			Light olive gray fine sandy SILT, few mica, dark yellowish orange, black and white horizontal to vertical banding (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
						0.2					
						0.1					
520						0.0					
	30					0.0					

ENV2 WITH WELL J:\PROJECTS\GRFX\AECOM PROJECTS\60429584 ITRON GREENWOOD\60429584LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 9/1/15

URS

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-21

Sheet 2 of 2

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
515	30				0.1		ML	Light olive gray fine sandy SILT, few mica, few medium sand, dark yellowish orange horizontal to vertical banding (wet) (medium stiff) (low plasticity) SAPROLITE (no odor)	
					0.0				
					0.1				
					0.0				
	35				0.0				
					0.3		SM/SP	White, yellowish gray, silty fine to coarse SAND, little mica, fine gravel (wet) (dense) SAPROLITE (no odor)	
					0.0		ML	Olive fine to medium sandy SILT, little mica, black horizontal to vertical banding (wet) (stiff) (low plasticity) SAPROLITE (no odor)	
510					0.0				
					0.2				
	40				0.1				
					0.0		SP	White to yellowish gray fine to coarse SAND, few fine gravel, non-plastic (wet) (medium dense) SAPROLITE (no odor)	
					0.0		SM	Light gray silty fine SAND, homogeneous (wet) (loose) SAPROLITE (no odor)	
505								Boring was completed to 42' bgs. Groundwater was encountered at 24 ft bgs. Boring was completed as monitoring well: 0-32.5 ft bgs 2" schedule 40 flush threaded PVC casing 32.5-42.5 ft bgs 2" schedule 40 PVC screen #10 slot 0.010" PVC screen 0-26.1 ft bgs Neat cement grout 26.1-29.8 ft bgs Bentonite seal 29.8-42.8 ft bgs Filter pack Flush mount monument	
	45								
500									
	50								
495									
	55								
490									
	60								
485									
	65								

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-22D

Date(s) Drilled	**7/16/16**	Logged By	**R. Paulling**	Checked By	**JN/AC**
Drilling Method	**Rotosonic**	Drilling Contractor	**Terrasonic**	Total Depth of Borehole	**80 feet bgs**
Drill Rig Type	**Terrasonic 150 cc**	Drill Bit Size/Type	**4"**	Ground Surface Elevation (feet MSL)	**546.32**
Groundwater Level	**23 ft bgs WD**	Sampling Method	**Sonic Coring**	Hammer Data	**NA**
Borehole Backfill	**NA**	Location	**Heavily wooded area SE of facility ~50' N of MW-13**		

Elevation, feet	Downhole Depth, feet	SAMPLES Type	SAMPLES Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	Well Completion Schematic	REMARKS AND WELL DETAILS
545	0					0.0		SM	Heavily wooded area		
								ML	Dark brown silty SAND (TOPSOIL)		
						0.0			Moderate reddish brown fine sandy SILT, little mica with yellowish gray partings (moist) (medium stiff) (low plasticity) SAPROLITE (no odor)		
						0.0					
						0.0					
						0.0					
540	5				75	0.0					
						0.0		SM	Light brown silty fine SAND, little mica, thin black horizontal bedding (moist) (loose) SAPROLITE (no odor)		
						0.0					
						0.0					
						0.0					
535	10					0.0					
						0.0					
						0.0					
						0.0					
530	15				100	0.0		ML	Light brown fine sandy SILT, little mica with black and white and orangeish pink (moist) (stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)		
						0.0					
						0.0					
						0.0					
						0.0					
525	20					0.0		ML/MH	Moderate orange pink with white and dark brown 45° bedding, fine sandy SILT, little mica (wet at 23') (medium stiff) (low to medium plasticity) SAPROLITE (no odor) (greasy texture)		
						0.0			23 ft ▼		
						0.0					
						0.0					
520	25				100	0.0			Grading to light brown and massive		
						0.0					
						0.0					
						0.0					
						0.0					
	30					0.0					

ENV2 WITH WELL J:\PROJECTS\GRFX\AECOM PROJECTS\60429584 ITRON GREENWOOD\60429584LOGS.GPJ URSSEA3B AECOM.GLB URSSEA3.GDT 9/1/15

URS

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-22D

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
	30				0.0				
515					0.0				
					0.0		ML	Light brown fine sandy SILT with white moderate reddish pink and black mottling (wet) (stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)	
	35			100	0.0				
510					0.0				
					0.0				
					0.0				
					0.0			Grading to light brown with black and white partings	
	40				0.0				
505					0.0				
					0.0				
					0.0				
					0.0				
	45			100	0.0			Sharp contact	
500					0.0		SM	Light pink to white silty fine SAND, little mica (wet) (medium dense) SAPROLITE (no odor)	
					0.0				
					0.0				
					0.0				
	50				0.0				
495					0.0		ML	Grading back to Light brown fine sandy SILT with white moderate reddish pink and black mottling (wet) (stiff) (low plasticity) SAPROLITE (no odor) (greasy texture)	
					0.0				
					0.0				
					0.0				
	55			100	0.0			Grading to Light brown fine sandy SILT with blocky texture (wet) (medium stiff) (low plasticity) SAPROLITE (no odor)	
490					0.0				
					0.0				
					0.0				
					0.0				
	60				0.0		ML/MH	Grading to Light brown with dark yellowish orange and moderate brown mottling fine sandy SILT (wet) (stiff) (moderate plasticity) SAPROLITE (no odor) (greasy texture) plasticity increasing with depth	
485					0.0				
					0.0				
					0.0				
					0.0				
	65				0.0				

Project: Supplemental RI
Project Location: Greenwood, SC
Project Number: 60429584

Log of Boring MW-22D

Elevation, feet	Downhole Depth, feet	SAMPLES Type Number	Blows/ 6in.	Recovery (%)	PID/OVM (ppm)	Graphic Log	USCS	MATERIAL DESCRIPTION	REMARKS AND WELL DETAILS
480	65				0.0		CH	Grading to Light brown to dark yellowish orange silty fine sandy FAT CLAY, inorganic, with moderate red and white inclusions (moist) (very stiff) (high plasticity) SAPROLITE (no odor)	
				100	0.0				
					0.0				
					0.0				
	70				0.0			Coarsening downward	
475					0.0		SP	Grading to Dark yellowish orange with moderate reddish pink mottling silty fine SAND, some medium, little coarse sand, massive (wet) (dense) (non-plastic) SAPROLITE (no odor) (little mica) homogeneous	
					0.0				
					0.0				
	75			100	0.0				
470					0.0				
					0.0				
					0.0				
					0.0				
	80							Boring was completed to 80' bgs. Groundwater was encountered at 23.0 ft bgs. Boring was completed as monitoring well: 0-74.6 ft bgs 2" schedule 40 flush threaded PVC casing 74.6-79.6 ft bgs 2" schedule 40 PVC screen #10 slot 0.010" PVC screen 0-66.3 ft bgs Neat cement grout 66.3-71.2 ft bgs Bentonite seal 71.2-80.0 ft bgs Filter pack Flush mount monument	
465									
	85								
460									
	90								
455									
	95								
450									
	100								

Appendix C: SCDHEC Water Well Records and Monitoring Well Approval

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Pad Kemmanahalli (last) (first)
Address: 1111 Broadway, Suite 1800
City: Oakland State: CA Zip: 94607
Telephone: Work: 510.844.2882 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood Zip: 29646
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-10I

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 7/13/2015
58 ft. Date Completed: 7/13/2015

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 48 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 0 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10
Set Between: 48 ft. and 58 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 58 ft. to 46 ft.
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 44 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print) Level: A B C D (circle one)
825 South Main Street
New Ellenton, SC 29809
Telephone No.: 803.652.1790 Fax No.: 803.652.1790

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 8/3/15

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Pad Kemmanahalli (last) (first)
Address: 1111 Broadway, Suite 1800
City: Oakland State: CA Zip: 94607
Telephone: Work: 510.844.2882 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood Zip: 29646
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-10R

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 35 ft. Date Started: 7/14/2015 Date Completed: 7/14/2015

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 25 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 0 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☐ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10
Set Between: 35 ft. and 45 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 35 ft. to 23 ft.
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 21 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print)
825 South Main Street
New Ellenton, SC 29809
Level: A B C D (circle one) ✓
Telephone No.: 803.652.1790 Fax No.: 803.652.1793

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit Well Driller Date: 8/3/15

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Pad Kemmanahalli (last) (first)
Address: 1111 Broadway, Suite 1800
City: Oakland State: CA Zip: 94607
Telephone: Work: 510.844.2882 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood Zip: 29646
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW 15R

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 49 ft. Date Started: 7/17/2015 Date Completed: 7/17/2015

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 39 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 2.5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: _____
Set Between: 39 ft. and 49 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☑ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 49 ft. to 37 ft.
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 35 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print) Level: A ✓ B C D (circle one)
825 South Main Street
New Ellenton, SC 29809
Telephone No.: 803.652.1790 Fax No.: 803.652.1793

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit (Well Driller) Date: 8/3/15

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004) COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Pad Kemmanahalli (last) (first)
Address: 1111 Broadway, Suite 1800
City: Oakland State: CA Zip: 94607
Telephone: Work: 510.844.2882 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood Zip: 29646
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-19

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 49 ft. Date Started: 7/17/2015 Date Completed: 7/17/2015

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 39 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 2.5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10
Set Between: 39 ft. and 49 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 49 ft. to 37 ft.
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 35 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print)
825 South Main Street
New Ellenton, SC 29809
Level: A B C D (circle one) ✓
Telephone No.: 803.652.1790 Fax No.: 803.652.1793

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit Well Driller Date: 8/3/15

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Pad Kemmanahalli (last) (first)
Address: 1111 Broadway, Suite 1800
City: Oakland State: CA Zip: 94607
Telephone: Work: 510.844.2882 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood Zip: 29646
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW 20

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 7/15/2015
59 ft. Date Completed: 7/15/2015

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 49 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 2.5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10
Set Between: 49 ft. and 59 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 59 ft. to 47 ft.
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 45 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print)
825 South Main Street
New Ellenton, SC 29809
Level: A ✓ B C D (circle one)
Telephone No.: 803.652.1790 Fax No.: 803.652.1793

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit Date: 8/3/15
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Pad Kemmanahalli (last) (first)
Address: 1111 Broadway, Suite 1800
City: Oakland State: CA Zip: 94607
Telephone: Work: 510.844.2882 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood Zip: 29646
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-21

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 42.5 ft. Date Started: 7/16/2015 Date Completed: 7/16/2015

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 32.5 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 0 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 10
Set Between: 32.5 ft. and 42.5 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 42.5 ft. to 30.5 ft.
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 28.5 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print) Level: A B C D (circle one) ✓
825 South Main Street
New Ellenton, SC 29809
Telephone No.: 803.652.1790 Fax No.: 803.652.1793

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Blake Cabit Well Driller Date: 8/3/15

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Pad Kemmanahalli (last) (first)
Address: 1111 Broadway, Suite 1800
City: Oakland State: CA Zip: 94607
Telephone: Work. 510.844.2882 Home:

2. LOCATION OF WELL: COUNTY: Greenwood
Name: Red Seal Measurement
Street Address: 1310 Emerald Road
City: Greenwood Zip: 29646
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-22D

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER:

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started 7/16/2015
79 ft. Date Completed 7/16/2015

10. CASING: ☑ Threaded ☐ Welded
Diam. 2"
Type. ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 74 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface 2.5 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5
Set Between: 74 ft and 79 ft.
_____ ft and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 79 ft. to 72 ft.
Effective size 20/30 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 70 ft. to 0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date Installed _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE. ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Blake Cabit CERT. NO.: 963
Address: (Print) Level: A B C D (circle one)
825 South Main Street
New Ellenton, SC 29809
Telephone No.: 803 652.1790 Fax No.: 803.652.1793

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief

Signed: Blake Cabit Date 8/3/15
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (03/2004)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

D H E C

PROMOTE PROTECT PROSPER

W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

Monitoring Well Approval

Date of Issuance: May 14, 2015 **Approval #:** MW-10145

Approval is hereby granted to: Aaron Council, URS/AECOM
10 Patewood Drive, Building 6, Suite 500
Greenville, South Carolina 29615

Facility: Itron Site
VCC 13-6078-RP
Greenwood County

This approval is for the installation of seven (7) permanent groundwater monitoring wells. The wells will be installed in the locations as illustrated in Figure 1 and constructed per the details included in the Supplemental Work Plan for Continued Groundwater Investigation dated April 27, 2015. All wells are to be installed following the applicable requirements of R.61-71.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All wells shall be properly developed per R.61-71.H.2.d. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted within 30 days after well completion or abandonment unless another schedule has been approved by the Department. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Project Manager (Carol Crooks) within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
5. If any of the information provided to the Department changes, including the proposed drilling date, the Project Manager (Carol Crooks) shall be notified at least twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

Carol L. Crooks

Carol L. Crooks, Hydrogeologist
Division of Site Assessment, Remediation and Revitalization
Bureau of Land and Waste Management

cc: File 57992

Appendix D: Survey Report

Well No.	Northing	Easting	Top of PVC	Gnd. Elev.
10 I	868601.7675	1668468.0656	551.10	551.30
10 R	868588.3849	1668490.9996	551.03	551.20
15 R	868379.6621	1668655.5707	556.96	553.89
19	868198.1671	1668401.2254	548.37	545.41
20	868910.1291	1668743.3812	545.47	542.50
21	868425.3954	1668091.6803	548.80	548.90
22 D	868855.3533	1668766.5480	549.27	546.32

Appendix E: Well Development Logs

AECOM

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Monitoring Well Development Log

Date Started: 7/22/15 **Date Completed:** 7/22/15
Field Personnel: AC & PC
Site Name: Itron - Greenwood
Project Number: 60429584
Well ID #: MW-10I
☐ Upgradient ☑ Downgradient
Weather Conditions: Sunny
Air Temperature: 75 °F

Total Well Depth (TWD): (1/100 ft) 58
Depth to Groundwater (DGW): (1/100 ft) 23.69
Length of Water Column (LWC) = TWD – DGW = 34.31 (1/100 ft)
1 Casing Volume (OCV) = LWC x 0.163 = 5.6 gallons
5 Casing Volumes = 28 gallons
Method of Well Development HydroLift II Waterra Pumping and Surging
Total Volume of Water Removed: 38 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
7/22/15 0937	0.5	Initial	23.69	21.39	11.24	57	0.538	>1000	5.67
7/22/15 0942	1	5	44.97	19.67	10.86	46	0.347	801	2.99
7/22/15 0952	0.5	10	46.96	19.79	9.71	-16	0.191	272	2.77
7/22/15 1002	0.5	15	48.34	19.39	8.75	6	0.147	607	3.00
7/22/15 1032	0.5	18	39.61	19.68	9.09	0	0.142	186	4.44
7/22/15 1037	1	23	46.95	19.00	8.38	45	0.117	134	4.37
7/22/15 1047	0.5	28	48.49	19.10	7.48	40	0.107	82.1	4.35
7/22/15 1057	0.5	33	48.40	19.25	7.10	60	0.098	117	4.79
7/22/15 1107	0.5	38	48.50	19.18	6.83	87	0.091	485	8.83

COMMENTS/OBSERVATIONS: Pumped dry @ 1012 (18 gallons) Restart @ 1032

AECOM

Page 1 of 1

Monitoring Well Development Log

Date Started: 7/22/15	**Date Completed:** 7/23/15
Field Personnel: AC & PC	
Site Name: Itron - Greenwood	
Project Number: 60429584	
Well ID #: MW-10R	
☐ Upgradient ☑ Downgradient	
Weather Conditions: Sunny	
Air Temperature: 75 °F	

Total Well Depth (TWD): (1/100 ft)	35
Depth to Groundwater (DGW): (1/100 ft)	25.35
Length of Water Column (LWC) = TWD – DGW =	9.65 (1/100 ft)
1 Casing Volume (OCV) = LWC x 0.163 =	1.5 gallons
5 Casing Volumes = [redacted] gallons	7.5
Method of Well Development	HydroLift II Waterra Pumping and surging
Total Volume of Water Removed:	7.5 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
7/22/15 0913	1.5	Initial	25.35	24.96	7.37	140	0.273	>1000	3.70
7/22/15 0920	1.5	5	32.65	20.23	8.08	98	0.162	>1000	5.28
7/22/15 1113	0.5	5.5	DRY	22.75	7.49	99	0.179	>1000	6.35
7/23/15 1241	0.5	7	25.50	22.02	6.54	110	0.150	754	5.79
7/23/15 1346	0.5	7.5	34.50	25.51	5.80	184	0.099	216	7.74

COMMENTS/OBSERVATIONS: Pumped dry @ 0916. Restart @ 0919; Dry @ 0920. Restart @ 0925; Dry @ 0926; Restart @ 1014; Dry @ 1015 (DTW = 33.17); Restart @ 1113. Dry after 0.5 gals. Restart @ 1241 on 7/23/15. Dry after 1.5 gals.

AECOM

Page 1 of 1

Monitoring Well Development Log

Date Started: 7/23/15 **Date Completed:** 7/23/15

Field Personnel: AC & PC

Site Name: Itron - Greenwood

Project Number: 60429584

Well ID #: MW-15R

☐ Upgradient ☒ Downgradient

Weather Conditions: Cloudy

Air Temperature: 82 °F

Total Well Depth (TWD): (1/100 ft) 49

Depth to Groundwater (DGW): (1/100 ft) 37.15

Length of Water Column (LWC) = TWD – DGW = 11.85 (1/100 ft)

1 Casing Volume (OCV) = LWC x 0.163 = 1.9 gallons

5 Casing Volumes = 9.5 gallons

Method of Well Development Hydrolift II Waterra Pumping and surging

Total Volume of Water Removed: 15 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
7/23/15 1103	0.5	Initial	37.15	23.51	6.75	258	0.150	723	9.28
7/23/15 1121	0.25	5	45.55	21.64	6.33	159	0.125	517	4.13
7/23/15 1145	0.35	10	47.81	21.28	5.95	101	0.109	241	4.95
7/23/15 1211	0.20	15	49.00	21.42	5.92	102	0.099	87	5.23

COMMENTS/OBSERVATIONS:

AECOM

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Monitoring Well Development Log

Date Started: 7/23/15 Date Completed: 7/23/15

Field Personnel: AC & PC

Site Name: Itron - Greenwood

Project Number: 60429584

Well ID #: MW-19

☐ Upgradient ☑ Downgradient

Weather Conditions: Sunny

Air Temperature: 75 °F

Total Well Depth (TWD): (1/100 ft) 49.5

Depth to Groundwater (DGW): (1/100 ft) 25.71

Length of Water Column (LWC) = TWD – DGW = 23.79 (1/100 ft)

1 Casing Volume (OCV) = LWC x 0.163 = 3.9 gallons

5 Casing Volumes = 19.5 gallons

Method of Well Development: Hydrolift II Waterra Pumping and surging

Total Volume of Water Removed: 25 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
7/23/15 0907	0.5	Initial	25.71	21.36	8.02	109	0.182	>1000	6.61
7/23/15 0919	0.4	5	22.94	20.61	6.88	96	0.144	745	4.44
7/23/15 0929	0.5	10	29.20	19.68	6.67	76	0.138	609	4.38
7/23/15 0939	0.5	15	29.91	19.47	6.62	66	0.121	425	4.34
7/23/15 0949	0.5	20	29.53	19.60	6.34	75	0.107	117	3.84
7/23/15 0959	0.5	25	29.76	19.46	6.23	84	0.098	86	4.29

COMMENTS/OBSERVATIONS:

AECOM

Monitoring Well Development Log

Date Started: 7/22/15 **Date Completed:** 7/22/15
Field Personnel: AE & PC
Site Name: Itron - Greenwood
Project Number: 60429584
Well ID #: MW-20
☐ Upgradient ☑ Downgradient
Weather Conditions: Sunny
Air Temperature: 90 °F

Total Well Depth (TWD): 59 (1/100 ft)
Depth to Groundwater (DGW): (1/100 ft) 27.61
Length of Water Column (LWC) = TWD – DGW = 31.39 (1/100 ft)
1 Casing Volume (OCV) = LWC x 0.163 = 5.11 gallons
5 Casing Volumes = 25.5 gallons
Method of Well Development Hydrolift II Waterra Pumping and surging
Total Volume of Water Removed: 30 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
7/22/15 1501	0.7	Initial	27.61	24.50	7.44	90	0.262	344	6.30
7/22/15 1508	0.7	5	47.11	22.23	7.09	354	0.200	212	8.79
7/22/15 1518	0.5	10	52.46	20.51	6.64	409	0.209	189	3.73
7/22/15 1532	0.4	15	49.14	19.84	6.19	257	0.175	154	4.14
7/22/15 1545	0.4	20	49.55	19.94	5.90	131	0.148	136	3.59
7/22/15 1605	0.25	25	47.39	20.27	6.00	113	0.132	62	3.69
7/22/15 1618	0.4	30	44.09	19.69	6.12	101	0.120	81	7.86

COMMENTS/OBSERVATIONS:

AECOM

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Monitoring Well Development Log

Date Started: 7/22/15 **Date Completed:** 7/23/15
Field Personnel: AC & PC
Site Name: Itron - Greenwood
Project Number: 60429584
Well ID #: MW-21
☐ Upgradient ☑ Downgradient
Weather Conditions: Sunny
Air Temperature: 82 °F

Total Well Depth (TWD): (1/100 ft) 42
Depth to Groundwater (DGW): (1/100 ft) 16.91
Length of Water Column (LWC) = TWD – DGW = 25.09 (1/100 ft)
1 Casing Volume (OCV) = LWC x 0.163 = 4.1 gallons
5 Casing Volumes = 20.5 gallons
Method of Well Development HydroLift II Waterra Pumping and surging
Total Volume of Water Removed: 18 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
7/22/15 1132	1	Initial	16.91	22.69	7.25	100	0.102	598	3.93
7/22/15 1137	1	5	37.81	20.70	6.14	116	0.090	445	2.19
7/22/15 1305	0.1	6	16.95	22.34	5.66	85	0.042	805	5.19
7/22/15 1311	0.5	9	41.51	21.53	5.17	149	0.043	427	6.63
7/22/15 1330	0.1	10	31.27	21.80	5.03	114	0.043	56	4.96
7/22/15 1335	0.1	12	40.44	21.09	4.72	165	0.043	164	6.91
7/22/15 1345	0.1	13	35.28	21.61	4.45	174	0.043	147	6.37
7/23/15 1406	—	13	16.99	22.48	6.41	122	0.046	74.6	6.42
7/23/15 1410	1	18	39.34	21.31	5.84	145	0.056	112	6.06

COMMENTS/OBSERVATIONS: Dry @ 1140 (8 gals.); Restart @ 1305; Dry @ 1311 (DTW = 41.51) Restart @ 1330; Dry @ 1335; Restart @ 1345; Dry @ 1348. Restart on 7/23/15 @ 1406. Dry @ 1413.

AECOM

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Monitoring Well Development Log

Date Started: 7/22/15 **Date Completed:** 7/22/15
Field Personnel: AC & PC
Site Name: Itron - Greenwood
Project Number: 60429584
Well ID #: MW-22D
☐ Upgradient ☑ Downgradient
Weather Conditions: Sunny
Air Temperature: 90 °F

Total Well Depth (TWD): (1/100 ft) 80
Depth to Groundwater (DGW): (1/100 ft) 31.90
Length of Water Column (LWC) = TWD – DGW = 48.1 (1/100 ft)
1 Casing Volume (OCV) = LWC x 0.163 = 7.8 gallons
5 Casing Volumes = 39 gallons
Method of Well Development HydroLift II Waterra Pumping and surging
Total Volume of Water Removed: 20 gallons

Date/Time	Discharge Rate (gpm)	Volume Purged (gallons)	Water Level (btoc)	Water Temp. (C)	pH	ORP Eh (mV)	Specific Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)
7/22/15 1430	0.5	Initial	31.90	26.42	6.93	162	0.196	683	6.93
7/22/15 1440	0.5	5	49.70	24.90	7.60	191	0.185	809	7.53
7/22/15 1450	0.5	10	65.31	22.87	8.38	201	0.168	372	5.94
7/22/15 1500	0.5	15	73.33	22.52	8.33	46	0.160	425	4.68
7/22/15 1510	0.5	20	79.13	24.38	8.68	25	0.112	261	4.57

COMMENTS/OBSERVATIONS:

Appendix F: Groundwater Sampling Logs

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-1
Site Name Itron – Greenwood, SC
Date 7-28-15
Field Personnel PETER CANTY
Job # 60429584
Weather Conditions PARTLY CLOUDY
Air Temperature 84 °F
Total Well Depth (TWD) 31.50 1/100 ft
Depth to Ground Water (DGW) 22.39 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump LOW FLOW
Method of Sample Collection Submersible Pump LOW FLOW
Total Volume of Water Removed ~1.1 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 21.5 - 31.5 1/100 ft
Dedicated Pump or Bailer YES ___ NO X Type ___
Locking Cap YES X NO ___
Well Integrity Satisfactory YES X NO ___
Well Yield LOW X MODERATE ___ HIGH ___
Remarks

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.6	1.1				
TIME (military)	1018	1021	~~1024~~ 1035	~~1027~~			
PH (S.U.)	5.92	5.13	5.07				
Sp. Cond. (units: Ms/cm)	0.025	0.019	0.024				
Water Temp. (°C)	25.02	24.01	24.01				
TURBIDITY (ntu)	328	583	216				
ORP (mV)	247	251	260				
Dissolved Oxygen (mg/L)	7.45	6.89	8.36				
Salinity							

COMMENTS/OBSERVATIONS: DRY @ 1 gal : 1022 SAMPLE TIME : 1038

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-2
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel M. Law
Job # 60429584
Weather Conditions Sunny
Air Temperature 78 °F
Total Well Depth (TWD) 35 1/100 ft
Depth to Ground Water (DGW) 24.49 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~1.1 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 25-35 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks Sampled @ 1058 for VOCs
slightly turbid with mica flakes

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	0.75					
TIME (military)	1043	1046	~~1053~~	~~1058~~			
PH (S.U.)	5.90	5.33					
Sp. Cond. (units: Ms/cm)	0.076	0.065	Dry				
Water Temp. (°C)	24.80	25.80					
TURBIDITY (ntu)	379	311					
ORP (mV)	174	212					
Dissolved Oxygen (mg/L)	3.47	2.58					
Salinity	—	—	=				

COMMENTS/OBSERVATIONS: Dry @ 1.1 Gallons

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-3
Site Name Itron – Greenwood, SC
Date 7/29/15
Field Personnel AC
Job # 60429584
Weather Conditions Partly Cloudy
Air Temperature 74 °F
Total Well Depth (TWD) 47 1/100 ft
Depth to Ground Water (DGW) 22.50 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~2 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 37-47 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH X
Remarks
Sample collected @ 0855
VOCs, SVOCs
MS/MSD collected @ 0855

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	1	1.5	2		
TIME (military)	0839	0842	0845	0848	0851		
PH (S.U.)	5.62	5.49	5.38	5.37	5.36		
Sp. Cond. (units: Ms/cm)	0.159	0.158	0.158	0.157	0.157		
Water Temp. (°C)	20.76	20.94	21.30	21.36	21.41		
TURBIDITY (ntu)	161	83	75	87	82		
ORP (mV)	157	166	167	166	172		
Dissolved Oxygen (mg/L)	2.03	1.68	1.50	1.43	1.22		
Salinity	—	—	—	—	—		

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-4
Site Name Itron – Greenwood, SC
Date 7/29/15
Field Personnel M. Law
Job # 60429584
Weather Conditions Sunny
Air Temperature 85 °F
Total Well Depth (TWD) 47 1/100 ft
Depth to Ground Water (DGW) 30.14 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump low flow
Method of Sample Collection Submersible Pump low flow
Total Volume of Water Removed ~1.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 37 - 47 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks Sampled @ 1100 for VOCs
* purge water is tan & Silty

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	~1.0	~1.25	~1.5			
TIME (military)	1041	1046	1051	1056			
PH (S.U.)	5.85	5.69	5.46	5.44			
Sp. Cond. (units: Ms/cm)	0.160	0.143	0.141	0.139			
Water Temp. (°C)	19.86	19.91	19.94	19.92			
TURBIDITY (ntu)	9.0 *	> 800 *	324 *	227 *			
ORP (mV)	171	165	171	173			
Dissolved Oxygen (mg/L)	0.78	0.45	0.39	0.37			
Salinity	–	–	–	–			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-5
Site Name Itron – Greenwood, SC
Date 7/25/15
Field Personnel M. Law
Job # 60482584
Weather Conditions Sunny
Air Temperature 85 °F
Total Well Depth (TWD) 47 1/100 ft
Depth to Ground Water (DGW) 28.34 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low flow
Method of Sample Collection Submersible Pump Low flow
Total Volume of Water Removed ~5.0 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 37 - 47 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks Sampled @ 1400 for VOCs

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	1.2	2.5	4			
TIME (military)	1341	1346	1351	1356			
PH (S.U.)	7.02	6.07	5.81	5.92			
Sp. Cond. (units: Ms/cm)	0.077	0.074	0.076	0.081			
Water Temp. (°C)	22.09	20.48	20.43	20.12			
TURBIDITY (ntu)	121	64.8	35.8	28.8			
ORP (mV)	74	153	170	206			
Dissolved Oxygen (mg/L)	81	4.44	4.23	3.83			
Salinity	–	–	–	–			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-5D

Site Name Itron – Greenwood, SC

Date 7-28-15

Field Personnel PETER COMPTY

Job # 60429584

Weather Conditions CLEAR

Air Temperature 91° °F

Total Well Depth (TWD) 47.90 1/100 ft

Depth to Ground Water (DGW) 29.56 1/100 ft

Length of Water Column (LWC) = TWD – DGW 1/100 ft

1 Casing Volume = LWC x 0.163 = gal

3 Casing Volumes gal = Standard Evacuation Volume

Method of Well Excavation Submersible Pump Low Flow

Method of Sample Collection Submersible Pump Low Flow

Total Volume of Water Removed ~3 gallons

Casing Diameter 2.0 Inches

Casing Material PVC

Measuring Point Elevation 1/100 ft

Land Surface Elevation 1/100 ft

Screened Interval 37.9 - 47.9 1/100 ft

Dedicated Pump or Bailer YES ____ NO X Type ____

Locking Cap YES X NO ____

Well Integrity Satisfactory YES X NO ____

Well Yield LOW ____ MODERATE X HIGH ____

Remarks

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.8	1.6	2.4	3.0		
TIME (military)	1342	1345	1348	1351	1354		
PH (S.U.)	6.60	6.71	6.60	6.56	6.62		
Sp. Cond. (units: Ms/cm)	0.165	0.158	0.158	0.158	0.157		
Water Temp. (°C)	20.17	21.47	19.92	19.82	20.16		
TURBIDITY (ntu)	804	418	172	133	144		
ORP (mV)	-149	-156	-148	-143	-145		
Dissolved Oxygen (mg/L)	0.00	0.00	0.00	0.00	0.00		
Salinity							

COMMENTS/OBSERVATIONS: SAMPLE TIME: 1358

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-6
Site Name Itron – Greenwood, SC
Date 7/29/15
Field Personnel AC
Job # 60429584
Weather Conditions Cloudy
Air Temperature 74 °F
Total Well Depth (TWD) 38 1/100 ft
Depth to Ground Water (DGW) 25.56 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~1.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 28-38 1/100 ft
Dedicated Pump or Bailer YES ___ NO X Type ___
Locking Cap YES X NO ___
Well Integrity Satisfactory YES X NO ___
Well Yield LOW ___ MODERATE X HIGH ___
Remarks

Sample collected @ 1030
VOCs

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	1	1.5			
TIME (military)	1018	1021	1024	1027			
PH (S.U.)	5.83	5.75	5.71	5.65			
Sp. Cond. (units: Ms/cm)	0.036	0.033	0.033	0.033			
Water Temp. (°C)	22.51	20.99	21.26	20.78			
TURBIDITY (ntu)	109	68.5	37.9	9.5			
ORP (mV)	195	211	221	229			
Dissolved Oxygen (mg/L)	7.06	6.07	5.41	5.51			
Salinity	—	—	—	—			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-7
Site Name Itron – Greenwood, SC
Date 7/29/15
Field Personnel AC
Job # 60429584
Weather Conditions Sunny
Air Temperature 84 °F
Total Well Depth (TWD) 37.40 1/100 ft
Depth to Ground Water (DGW) 26.02 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~2.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 27.4 - 37.4 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks
Sample collected @ 1115
VOCs

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.75	1.5	2	2.5		
TIME (military)	1058	1101	1104	1107	1110		
PH (S.U.)	5.57	5.50	5.44	5.44	5.42		
Sp. Cond. (units: Ms/cm)	0.046	0.044	0.043	0.043	0.043		
Water Temp. (°C)	22.43	21.80	22.26	22.47	22.56		
TURBIDITY (ntu)	301	262	94.3	36.5	31.2		
ORP (mV)	220	237	246	248	249		
Dissolved Oxygen (mg/L)	9.07	7.86	7.20	7.05	6.99		
Salinity	—	—	—	—	—		

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-8
Site Name Itron – Greenwood, SC
Date 7/29/15
Field Personnel M. Law
Job # 60429584
Weather Conditions Sunny
Air Temperature 88 °F
Total Well Depth (TWD) 57 1/100 ft
Depth to Ground Water (DGW) 27.41 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low flow
Total Volume of Water Removed ~1.75 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 47-57 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks Sampled @ 1200 for VOCs
purge water is slightly silty

FIELD ANALYSES

VOLUME PURGED (gallons)	0	~1.25	~1.5	~1.75			
TIME (military)	1140	1145	1150	1155			
PH (S.U.)	6.36	6.01	6.04	5.98			
Sp. Cond. (units: Ms/cm)	0.051	0.053	0.054	0.053			
Water Temp. (°C)	20.59	20.47	20.84	21.14			
TURBIDITY (ntu)	526	204	304	82.4			
ORP (mV)	169	182	186	198			
Dissolved Oxygen (mg/L)	—	5.64	5.87	5.59			
Salinity	—	—	—	—			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-9
Site Name Itron – Greenwood, SC
Date 7-28-15
Field Personnel PETER CONATY
Job #
Weather Conditions PARTLY CLOUDY
Air Temperature 84 °F
Total Well Depth (TWD) 52.3 1/100 ft
Depth to Ground Water (DGW) 33.99 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed 2.0 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 42.3 - 52.3 1/100 ft
Dedicated Pump or Bailer YES ___ NO X Type ___
Locking Cap YES X NO ___
Well Integrity Satisfactory YES X NO ___
Well Yield LOW ___ MODERATE X HIGH ___
Remarks
Sampled collected @ 0945

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.2	0.6	1.0	1.5	1.9	
TIME (military)	1128	1131	1134	1137	1140	1143	
PH (S.U.)	5.40	6.24	4.44	4.41	4.39	4.30	
Sp. Cond. (units: Ms/cm)	0.024	0.023	0.023	0.022	0.023	0.021	
Water Temp. (°C)	26.67	25.29	23.72	24.15	23.48	23.50	
TURBIDITY (ntu)	23.9	13.9	18.4	24.2	30.8	41.0	
ORP (mV)	252	282	279	290	303	314	
Dissolved Oxygen (mg/L)	2.25	6.24	6.19	5.57	5.69	5.06	
Salinity							

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-9D
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel M. Law
Job # 60429584
Weather Conditions Sunny
Air Temperature ~~84~~ °F
Total Well Depth (TWD) 76 1/100 ft
Depth to Ground Water (DGW) 33.56 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low flow
Method of Sample Collection Submersible Pump Low flow
Total Volume of Water Removed ~3 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 71 - 76 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks Sample @ 1145 for VOCs

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	~1.25	~2.25	~3			
TIME (military)	1127	1152	1137	1142	~~1147~~		
PH (S.U.)	6.12	6.46	6.44	6.40			
Sp. Cond. (units: Ms/cm)	0.150 ~~22.22~~	0.149	0.149	0.149			
Water Temp. (°C)	22.06	20.06	20.23	20.90			
TURBIDITY (ntu)	553	178	165	177			
ORP (mV)	~~84~~	6	-12	2			
Dissolved Oxygen (mg/L)	0.79	0.54	0.48	0.53			
Salinity	—	—	—	—			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-10R
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel AC
Job # 60429584
Weather Conditions Sunny
Air Temperature 78 °F
Total Well Depth (TWD) 35 1/100 ft
Depth to Ground Water (DGW) 25.55 1/100 ft
Length of Water Column (LWC) = TWD – DGW ____ 1/100 ft
1 Casing Volume = LWC x 0.163 = ____ gal
3 Casing Volumes ____ gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~4.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation ____ 1/100 ft
Land Surface Elevation ____ 1/100 ft
Screened Interval ____ 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks

Sample collected @ 0925
VOCs

FIELD ANALYSES

VOLUME PURGED (gallons)	0	2	4	4.5			
TIME (military)	0853	0857	0900	0918			
PH (S.U.)	6.05	6.05	5.83	6.34			
Sp. Cond. (units: Ms/cm)	0.114	0.100	0.088	0.098			
Water Temp. (°C)	18.08	18.38	18.59	18.62			
TURBIDITY (ntu)	741	439	264	292			
ORP (mV)	189	153	179	215			
Dissolved Oxygen (mg/L)	10.95	9.39	8.76	8.64			
Salinity	—	—	—	—			

COMMENTS/OBSERVATIONS: Dry @ 4 gallons @ 0900. Restart @ 0918

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-10I
Site Name Itron – Greenwood, SC
Date 7-28-15
Field Personnel PETER CONDIT
Job # 60429584
Weather Conditions PARTLY CLOUDY
Air Temperature 84 °F
Total Well Depth (TWD) 58.2 1/100 ft
Depth to Ground Water (DGW) 24.32 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed 2.4 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 48.2 - 58.2 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.8	1.6	2.4			
TIME (military)	0927	0930	0933	0936			
PH (S.U.)	6.36	6.28	6.27	6.29			
Sp. Cond. (units: Ms/cm)	0.098	0.094	0.094	0.094			
Water Temp. (°C)	19.15	19.14	19.25	19.35			
TURBIDITY (ntu)	763	315	350	343			
ORP (mV)	151	161	166	163			
Dissolved Oxygen (mg/L)	6.44	5.40	4.59	4.33			
Salinity							

COMMENTS/OBSERVATIONS: SAMPLE TIME: 0938

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-101

Site Name Itron – Greenwood, SC

Date 7/25/15

Field Personnel M. Law

Job # 60429584

Weather Conditions Sunny

Air Temperature 75 °F

Total Well Depth (TWD) 76 1/100 ft

Depth to Ground Water (DGW) 26.60 1/100 ft

Length of Water Column (LWC) = TWD – DGW 1/100 ft

1 Casing Volume = LWC x 0.163 = gal

3 Casing Volumes gal = Standard Evacuation Volume

Method of Well Excavation Submersible Pump low flow

Method of Sample Collection Submersible Pump low flow

Total Volume of Water Removed ~1.5 gallons

Casing Diameter 2.0 Inches

Casing Material PVC

Measuring Point Elevation 1/100 ft

Land Surface Elevation 1/100 ft

Screened Interval 71 - 76' 1/100 ft

Dedicated Pump or Bailer YES ____ NO X Type ____

Locking Cap YES X NO ____

Well Integrity Satisfactory YES X NO ____

Well Yield LOW ____ MODERATE X HIGH ____

Remarks Sample @ 0925 VOCs

grayish color to purge water

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	0.50	0.75	1.25			
TIME (military)	0908	0913	0918	0923			
PH (S.U.)	6.09	5.91	5.89	5.91			
Sp. Cond. (units: Ms/cm)	0.124	0.114	0.114	0.113			
Water Temp. (°C)	21.35	21.06	21.02	21.09			
TURBIDITY (ntu)	0.0	497	401	348			
ORP (mV)	118	57	52	48			
Dissolved Oxygen (mg/L)	1.19	0.85	0.77	0.75			
Salinity	—	—	—	—			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-11
Site Name Itron – Greenwood, SC
Date 7/29/19
Field Personnel M. Law
Job # 60429584
Weather Conditions Sunny
Air Temperature 78 °F
Total Well Depth (TWD) 40 1/100 ft
Depth to Ground Water (DGW) 26.05 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low flow
Method of Sample Collection Submersible Pump Low flow
Total Volume of Water Removed ~1.25 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 30 - 40 ft 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH ____
Remarks Sample @ 0940 for VOCs
Field Dup taken "Dup-2"

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	~0.5	~0.75	~1.0			
TIME (military)	0920	0925	0930	0935			
PH (S.U.)	5.16	4.86	5.10	4.88			
Sp. Cond. (units: Ms/cm)	0.037	0.037	0.036	0.032			
Water Temp. (°C)	20.77	20.79	21.96	21.79			
TURBIDITY (ntu)	627	162	165	105			
ORP (mV)	245	267	255	274			
Dissolved Oxygen (mg/L)	6.28	5.23	5.88	5.76			
Salinity	—	—	—	—			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-12
Site Name Itron – Greenwood, SC
Date 7/29/15
Field Personnel M. Law
Job # 60429584
Weather Conditions Sunny
Air Temperature 81 °F
Total Well Depth (TWD) 68 1/100 ft
Depth to Ground Water (DGW) 38.19 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump low flow
Method of Sample Collection Submersible Pump low flow
Total Volume of Water Removed ~1.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 58 – 68 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH X
Remarks Sampled @ 1020 for VOCs
*purge water is tan & silty

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	~1.0	~1.25	~1.50			
TIME (military)	1003	1008	1013	1018			
PH (S.U.)	5.80	5.20	5.04	4.99			
Sp. Cond. (units: Ms/cm)	0.120	0.123	0.123	0.123			
Water Temp. (°C)	21.23	21.17	20.85	20.17			
TURBIDITY (ntu)	0.0 *	0.0 *	0.0 *	>800 *			
ORP (mV)	221	218	220	186			
Dissolved Oxygen (mg/L)	4.44	4.10	3.73	3.91			
Salinity	—	—	—	—			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-13
Site Name Itron – Greenwood, SC
Date 7-28-15
Field Personnel PETER CONATY
Job # 60479584
Weather Conditions CLOUDY
Air Temperature 88 °F
Total Well Depth (TWD) 40 1/100 ft
Depth to Ground Water (DGW) 32.19 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~2 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 30-40 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1.0	1.5	2.0			
TIME (military)	1546	1549	1552	1555			
PH (S.U.)	5.25	4.23	3.97	3.96			
Sp. Cond. (units: Ms/cm)	0.018	0.017	0.017	0.017			
Water Temp. (°C)	20.93	19.01	18.97	19.18			
TURBIDITY (ntu)	>1000	341	215	213			
ORP (mV)	161	221	243	185			
Dissolved Oxygen (mg/L)	8.93	7.39	6.82	6.48			
Salinity							

COMMENTS/OBSERVATIONS: SAMPLE TIME : 1557

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-14
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel AC
Job # 60429584
Weather Conditions Partly Cloudy
Air Temperature 80 °F
Total Well Depth (TWD) 46 1/100 ft
Depth to Ground Water (DGW) 22.25 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~2.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 36-46 1/100 ft
Dedicated Pump or Bailer YES ___ NO X Type ___
Locking Cap YES X NO ___
Well Integrity Satisfactory YES X NO ___
Well Yield LOW ___ MODERATE X HIGH ___
Remarks
Sample collected @ 1140
VOCs
DUP-1 @ 1140

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1	1.5	2	2.5		
TIME (military)	1127	1130	1133	1136	1139		
PH (S.U.)	5.66	5.15	4.85	4.83	4.81		
Sp. Cond. (units: Ms/cm)	0.061	0.051	0.049	0.049	0.049		
Water Temp. (°C)	19.85	18.60	18.65	18.96	19.24		
TURBIDITY (ntu)	136	94	151	50.8	40.4		
ORP (mV)	133	179	195	200	199		
Dissolved Oxygen (mg/L)	7.37	5.12	4.11	3.69	3.55		
Salinity	—	—	—	—	—		

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-15R
Site Name Itron – Greenwood, SC
Date 7-28-15
Field Personnel PETER CONDY
Job # 60429584
Weather Conditions PARTLY CLOUDY
Air Temperature 88° °F
Total Well Depth (TWD) 49.2 1/100 ft
Depth to Ground Water (DGW) 37.28 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed 4 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 39.2 - 49.2 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1.0	1.5	2.0	2.5		
TIME (military)	1455	1458	1501	1504	1507		
PH (S.U.)	6.27	5.64	5.38	5.16	5.10		
Sp. Cond. (units: Ms/cm)	0.062	0.063	0.064	0.064	0.063		
Water Temp. (°C)	22.43	22.59	22.58	21.64	21.48		
TURBIDITY (ntu)	160	131	125	129	126		
ORP (mV)	87	99	102	108	114		
Dissolved Oxygen (mg/L)	5.37	4.64	4.44	4.61	4.82		
Salinity							

COMMENTS/OBSERVATIONS: SAMPLE TIME: 1509

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-16
Site Name Itron – Greenwood, SC
Date 7-28-15
Field Personnel PETER CONATY
Job # 60429584
Weather Conditions PT. CLOUDY
Air Temperature 85 °F
Total Well Depth (TWD) 36.3 1/100 ft
Depth to Ground Water (DGW) 24.44 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed 4.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 26.3 - 36.3 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1.5	2.5	3.0			
TIME (military)	1623	1626	1629	1632			
PH (S.U.)	5.36	4.93	4.90	4.85			
Sp. Cond. (units: Ms/cm)	0.035	0.036	0.036	0.035			
Water Temp. (°C)	20.38	19.10	19.15	19.31			
TURBIDITY (ntu)	471	350	279	150			
ORP (mV)	172	214	223	226			
Dissolved Oxygen (mg/L)	7.85	6.39	6.12	5.99			
Salinity							

COMMENTS/OBSERVATIONS: Sample Time: 1635

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-16D
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel M. Law
Job # 60429584
Weather Conditions Sunny
Air Temperature 88 °F
Total Well Depth (TWD) 75.8 1/100 ft
Depth to Ground Water (DGW) 28.96 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~4 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 70.8 - 75.8 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks Sample @ 1650

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	~1.75	2.5	4			
TIME (military)	1631	1636	1641	1646			
PH (S.U.)	6.24	6.01	5.94	5.96			
Sp. Cond. (units: Ms/cm)	0.076	0.079	0.081	0.082			
Water Temp. (°C)	22.03	20.58	20.67	20.69			
TURBIDITY (ntu)	31.2	28.1	23.5	17.0			
ORP (mV)	176	168	193	204			
Dissolved Oxygen (mg/L)	4.50	4.41	4.35	4.32			
Salinity	–	–	–	–			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-17
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel AC
Job # 60429584
Weather Conditions Sunny
Air Temperature 94 °F
Total Well Depth (TWD) 45.3 1/100 ft
Depth to Ground Water (DGW) 27.29 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~3 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 35.3 - 45.3 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE ____ HIGH X
Remarks
Sample collected @ 1640
VOCs
MS/MSD

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.5	1.5	2	3		
TIME (military)	1626	1629	1632	1635	1638		
PH (S.U.)	6.55	5.44	5.42	5.28	5.27		
Sp. Cond. (units: Ms/cm)	0.066	0.067	0.065	0.065	0.064		
Water Temp. (°C)	22.59	22.34	21.88	21.96	21.87		
TURBIDITY (ntu)	395	289	201	177	152		
ORP (mV)	205	233	223	220	225		
Dissolved Oxygen (mg/L)	6.27	5.58	5.66	5.81	5.55		
Salinity	—	—	—	—	—		

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-18
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel AC
Job # 60429584
Weather Conditions Sunny
Air Temperature 78 °F
Total Well Depth (TWD) 39 1/100 ft
Depth to Ground Water (DGW) 21.15 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~2 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 29-39 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks
Sample collected @ 1043
VOCs

FIELD ANALYSES

VOLUME PURGED (gallons)	0	0.75	1	1.5	2		
TIME (military)	1029	1032	1035	1038	1041		
PH (S.U.)	5.59	5.16	5.01	4.98	4.98		
Sp. Cond. (units: Ms/cm)	0.060	0.053	0.052	0.052	0.052		
Water Temp. (°C)	22.82	23.36	23.71	22.99	23.24		
TURBIDITY (ntu)	316	112	38	22	19		
ORP (mV)	146	182	214	248	252		
Dissolved Oxygen (mg/L)	6.33	4.93	4.62	4.24	4.16		
Salinity	—	—	—				

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-19
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel M. Law
Job # 60429564
Weather Conditions Sunny
Air Temperature 88 °F
Total Well Depth (TWD) 49.5 1/100 ft
Depth to Ground Water (DGW) 27.76 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~3.0 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 39.5 - 49.5 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks Sampled @ 1500 for VOCs
*Purge water is tan and Silty

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	~1.25	~1.75	~2.5			
TIME (military)	1443	1448	1453	1458			
PH (S.U.)	6.28	6.33	6.19	6.23			
Sp. Cond. (units: Ms/cm)	0.091	0.073	0.076	0.077			
Water Temp. (°C)	20.96	20.67	20.04	20.28			
TURBIDITY (ntu)	D.O Turb.d *	0.0 *	0.0 *	0.0 *			
ORP (mV)	143	119	121	128			
Dissolved Oxygen (mg/L)	4.87	4.46	4.45	4.43			
Salinity	—	—	—	—			

COMMENTS/OBSERVATIONS:

AECOM

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Field Data Information Log for Groundwater Sampling

Well ID # MW-20
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel AC
Job # 60429584
Weather Conditions Sunny
Air Temperature 87 °F
Total Well Depth (TWD) 59 1/100 ft
Depth to Ground Water (DGW) 28.02 1/100 ft
Length of Water Column (LWC) = TWD – DGW _____ 1/100 ft
1 Casing Volume = LWC x 0.163 = _____ gal
3 Casing Volumes _____ gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~3 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation _____ 1/100 ft
Land Surface Elevation _____ 1/100 ft
Screened Interval 49-59 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks
Sample collected @ 1400
VOCs

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1	1.5	2	2.5	3	
TIME (military)	1344	1347	1350	1353	1356	1359	
PH (S.U.)	6.20	6.22	6.03	5.90	5.84	5.79	
Sp. Cond. (units: Ms/cm)	0.150	0.153	0.148	0.144	0.141	0.140	
Water Temp. (°C)	20.82	18.39	18.75	19.00	19.07	18.87	
TURBIDITY (ntu)	275	294	386	264	250	197	
ORP (mV)	198	179	165	158	151	145	
Dissolved Oxygen (mg/L)	4.66	2.76	2.51	2.51	2.46	2.50	
Salinity	—	—	—	—	—	—	

COMMENTS/OBSERVATIONS:

AECOM

Page 1 of 1

Field Data Information Log for Groundwater Sampling

Well ID # MW-21
Site Name Itron – Greenwood, SC
Date 7/29/15
Field Personnel M. Law
Job # 60429584
Weather Conditions Sunny
Air Temperature 78 °F
Total Well Depth (TWD) 42.5 1/100 ft
Depth to Ground Water (DGW) 17.32 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed 22.25 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 32.5 - 42.5 1/100 ft
Dedicated Pump or Bailer YES ___ NO X Type ___
Locking Cap YES X NO ___
Well Integrity Satisfactory YES X NO ___
Well Yield LOW ___ MODERATE X HIGH ___
Remarks Sampled @ 0925 for VOCs
Light grey purge water

FIELD ANALYSES

VOLUME PURGED (gallons)	Initial 0	~1.25	~1.5	~1.75	~2.0		
TIME (military)	0840	0845	0850	0855	0900		
PH (S.U.)	5.63	5.32	4.83	4.30	4.25		
Sp. Cond. (units: Ms/cm)	0.043	0.040	0.039	0.038	0.037		
Water Temp. (°C)	20.40	20.26	20.54	20.57	20.65		
TURBIDITY (ntu)	581	407	328	145	87.0		
ORP (mV)	223	238	275	293	296		
Dissolved Oxygen (mg/L)	6.40	5.96	5.57	5.46	5.34		
Salinity	–	–	–	–	–		

COMMENTS/OBSERVATIONS:

AECOM

Page 1 of 1

Field Data Information Log for Groundwater Sampling

Well ID # MW-22D
Site Name Itron – Greenwood, SC
Date 7/28/15
Field Personnel AC
Job # 60429584
Weather Conditions Sunny
Air Temperature 91 °F
Total Well Depth (TWD) 79.9 1/100 ft
Depth to Ground Water (DGW) 32.27 1/100 ft
Length of Water Column (LWC) = TWD – DGW 1/100 ft
1 Casing Volume = LWC x 0.163 = gal
3 Casing Volumes gal = Standard Evacuation Volume
Method of Well Excavation Submersible Pump Low Flow
Method of Sample Collection Submersible Pump Low Flow
Total Volume of Water Removed ~2.5 gallons

Casing Diameter 2.0 Inches
Casing Material PVC
Measuring Point Elevation 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval 69.9 - 79.9 1/100 ft
Dedicated Pump or Bailer YES ____ NO X Type ____
Locking Cap YES X NO ____
Well Integrity Satisfactory YES X NO ____
Well Yield LOW ____ MODERATE X HIGH ____
Remarks Sample collected @ 1508

FIELD ANALYSES

VOLUME PURGED (gallons)	0	1	1.5	2	2.5		
TIME (military)	1454	1457	1500	1503	1506		
PH (S.U.)	9.14	8.31	7.86	7.75	7.80		
Sp. Cond. (units: Ms/cm)	0.146	0.131	0.130	0.130	0.131		
Water Temp. (°C)	20.44	19.68	19.13	19.20	19.08		
TURBIDITY (ntu)	362	206	194	176	134		
ORP (mV)	103	75	56	39	22		
Dissolved Oxygen (mg/L)	4.73	4.85	3.97	5.30	5.02		
Salinity	—	—	—				

COMMENTS/OBSERVATIONS:

Appendix G: Data Quality Review Memoranda

Memo

Century Square
1501 4th Avenue, Suite 1400
Seattle, Washington 98101
206.438.2700 Telephone
206.438.2699 Fax

To:	James Flynn, Project Manager	**Info:**	**FINAL**
From:	Lucy Panteleeff, Chemist Jennifer B. Garner, Chemist	**Date:**	August 20, 2014
RE:	QA/QC Data Summary Review Groundwater Sampling (July 2015) Itron – Greenwood, South Carolina		

The data quality review of 29 groundwater samples, 2 equipment rinsate blanks, and 2 trip blanks collected between July 28 and July 29, 2015 has been completed. The samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B and/or polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270D modified by selected ion monitoring (SIM) by Shealy Environmental Services, Inc. (SES) located in West Columbia, South Carolina. Samples were analyzed for the chemical constituents as described in *Remedial Investigation Work Plan, Itron – Greenwood, South Carolina Facility*, dated November 2013.

The analyses were performed in general accordance with methods specified in EPA's *Test Methods for Evaluating Solid Waste (SW-846).* The laboratory provided a summary report containing sample results and associated quality assurance and quality control (QA/QC) data. The following samples are associated with SES laboratory group QG30034:

Sample ID	Laboratory ID	Requested Analyses
MW-1	QG30034-001	VOCs
MW-2	QG30034-002	VOCs
MW-3	QG30034-003	VOCs, PAHs
MW-4	QG30034-004	VOCs
MW-5	QG30034-005	VOCs
MW-5D	QG30034-006	VOCs
MW-6	QG30034-007	VOCs
TRIP BLANK 1	QG30034-008	VOCs
DUP-1 (Duplicate of MW-14)	QG30034-009	VOCs
EB-1 (Equipment rinsate blank)	QG30034-010	VOCs
MW-7	QG30034-011	VOCs
MW-8	QG30034-012	VOCs
MW-9	QG30034-013	VOCs
MW-9D	QG30034-014	VOCs
MW-10R	QG30034-015	VOCs
MW-10I	QG30034-016	VOCs
MW-10D	QG30034-017	VOCs
MW-11	QG30034-018	VOCs
MW-12	QG30034-019	VOCs
MW-13	QG30034-020	VOCs
MW-14	QG30034-021	VOCs
MW-15R	QG30034-022	VOCs
MW-16	QG30034-023	VOCs
MW-16D	QG30034-024	VOCs

Sample ID	Laboratory ID	Requested Analyses
MW-17	QG30034-025	VOCs
TRIP BLANK 2	QG30034-026	VOCs
MW-18	QG30034-027	VOCs
MW-19	QG30034-028	VOCs
MW-20	QG30034-029	VOCs
MW-21	QG30034-030	VOCs
MW-22D	QG30034-031	VOCs
DUP-2 (Duplicate of MW-11)	QG30034-032	VOCs
EB-2 (Equipment rinsate blank)	QG30034-033	VOCs

The following comments refer to SES's performance in meeting the quality control specifications described in the analytical methods. Data were qualified based on the method criteria and guidance provided in the EPA documents *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, June 2008. Data qualifiers assigned to this sample set are included in Table 1. Data qualifiers that may be assigned to data from these laboratory groups include:

- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. A '+' or '-' may be assigned to the 'J' flag to indicate high or low bias, respectively.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- DNR - Do Not Report. Multiple results reported from different analytical dates and/or dilutions. Value from another analysis should be used.

Sample Receipt

Upon receipt by SES, the sample jar information was compared to the associated chain-of-custody (COC) and the cooler temperatures were recorded. The coolers were received at temperatures within the EPA-recommended limits of greater than 0°C and less than or equal to 6°C.

Organic Analyses

Samples were analyzed for VOCs and/or PAHs by the methods identified in the introduction to this report.

1. Holding Times – Acceptable

2. Blanks – Acceptable

3. Surrogates – Acceptable except as noted below:

   PAHs by Method 8270D SIM – The percent recoveries for fluoranthene-d10 and 2-methylnapthalene-d10 in three samples were outside the control limits as noted below:

Sample ID	Fluoranthene-d10 (23-154%)	2-Methylnapthalene-d10 (15-139%)
MW-3	0%	1,360%
MW-3 (MS)	0%	1,350%
MW-3 (MSD)	0%	1,450%

MS – matrix spike MSD – matrix spike duplicate

Due to the large dilution required to quantitate naphthalene present in MW-3 and the MS/MSD performed using MW-3, the surrogates were diluted out and the recoveries could not be accurately quantified. Data were not qualified based on the surrogate recoveries.

4. Laboratory Control Sample (LCS) – Acceptable

5. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Acceptable except as noted below:

VOCs by Method 8260B – An MS/MSD was performed using MW-3. Results were acceptable.

An MS/MSD was performed using MW-17. The percent recoveries for tetrachloroethene were below the control limits of 70-130% in the MS (68%) and MSD (58%). The result for tetrachloroethene in MW-17 was qualified as estimated and flagged 'J' based on these MS/MSD recoveries.

PAHs by Method 8270D – An MS/MSD was performed using MW-3. The percent recoveries for the following compounds were outside the control limits:

Analyte	MS	MSD	Control Limits
Acenaphthene	0%	0%	41-120%
Acenaphthylene	0%	0%	33-93%
Anthracene	0%	0%	13-122%
Benzo(a)anthracene	0%	0%	38-126%
Benzo(a)pyrene	0%	0%	15-115%
Benzo(b)fluoranthene	0%	0%	35-145%
Benzo(g,h,i)perylene	0%	0%	34-142%
Benzo(k)fluoranthene	0%	0%	36-146%
Chrysene	0%	0%	40-135%
Dibenzo(a,h)anthracene	0%	0%	33-144%
Fluoranthene	0%	0%	26-148%
Fluorene	1,680%	1,620%	34-126%
Indeno(1,2,3-cd)pyrene	0%	0%	36-141%
Naphthalene	6,340%	7,800%	21-148%
Phenanthrene	3,850%	3,270%	29-136%
Pyrene	0%	0%	36-128%

ok – result acceptable

Due to the large dilution required to quantitate high concentrations of naphthalene present in MW-3, the spiked compounds were diluted out and the PAH recoveries could not be accurately quantified; therefore, data were not qualified based on these MS/MSD recoveries.

6. Field Duplicates (applicable to VOCs only) – Acceptable

Field duplicates were submitted for MW-14 and MW-11 and identified as DUP-1 and DUP-2, respectively. Results were comparable.

7. Reporting Limits – Acceptable except as noted below:

General – Analyte concentrations detected between the MDL and the reporting limit are reported by the laboratory with an 'J' flag. One or more results were flagged 'J' by the laboratory in several samples. Laboratory 'J'-flagged results are considered estimated results. As the result is between the method

detection limit and the reporting limit, there is a greater level of uncertainty associated with the numerical result. Laboratory assigned J-flags were designated on the data tables with an asterisk (*).

VOCs by Method 8260B – The reporting limits for one or more VOCs were elevated in several samples due to dilution for high target analyte concentrations. The elevated reporting limits may affect the usability of the data for regulatory comparison.

PAHs by Method 8270D – The reporting limits for PAHs in MW-3 were elevated due to dilution for high concentrations of naphthalene. The elevated reporting limits may affect the usability of the data for regulatory comparison.

8. Type of Review – Summary

Overall Assessment of Data

The data reported in this laboratory group, as qualified, are considered to be usable for meeting project objectives. The completeness for laboratory group QG30034 is 100%.

Table 1 – Summary of Qualified Data

Sample ID	Lab ID	Analyte	Result	Units	Final Result
MW-17	QG30034-025	Tetrachloroethene	690	ug/L	690 J

Memo

Century Square
1501 4th Avenue, Suite 1400
Seattle, Washington 98101
206.438.2700 Telephone
206.438.2699 Fax

To:	James Flynn, Project Manager	**Info:**	**FINAL**
From:	Lucy Panteleeff, Chemist Jennifer B. Garner, Chemist	**Date:**	August 21, 2015
RE:	QA/QC Data Summary Review Soil Sampling (July 2015) Itron – Greenwood, South Carolina		

The data quality review of 1 soil sample collected on July 13, 2015 has been completed. The sample was analyzed for volatile organic compounds (VOCs) by EPA Method 8260B by Shealy Environmental Services, Inc. (SES) located in West Columbia, South Carolina. The sample was analyzed for the chemical constituents as described in *Remedial Investigation Work Plan, Itron – Greenwood, South Carolina Facility*, dated November 2013.

The analysis was performed in general accordance with the method specified in EPA's *Test Methods for Evaluating Solid Waste (SW-846).* The laboratory provided a summary report containing sample results and associated quality assurance and quality control (QA/QC) data. The following sample is associated with SES laboratory group QG17027:

Sample ID	Laboratory ID
MW-10I (49-50')	QG17027-001

The following comments refer to SES's performance in meeting the quality control specifications described in the analytical methods. Data were qualified based on the method criteria and guidance provided in the EPA document *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review*, June 2008. Data qualifiers that may be assigned to data from these laboratory groups include:

- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. A '+' or '-' may be assigned to the 'J' flag to indicate high or low bias, respectively.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- DNR - Do Not Report. Multiple results reported from different analytical dates and/or dilutions. Value from another analysis should be used.

Sample Receipt

Upon receipt by SES, the sample jar information was compared to the chain-of-custody (COC) and the cooler temperature was recorded. The cooler was received at a temperature within the EPA-recommended limits of greater than 0°C and less than or equal to 6°C.

Organic Analyses

The sample was analyzed for VOCs by Method 8260B.

1. Holding Times – Acceptable

2. Blanks – Acceptable except as noted below:

   Acetone (7.6 ug/kg) was detected at a concentration less than the reporting limit and greater than the method detection limit (MDL) in the method blank analyzed on July 22, 2015. Acetone was not detected in MW-101(49-50'); therefore, the result for acetone was not qualified based on this method blank result.

3. Surrogates – Acceptable

4. Laboratory Control Sample (LCS) – Acceptable

5. Matrix Spike (MS)

   An MS was not performed in association with this analysis. Accuracy was assessed using the LCS results.

6. Duplicate

   A duplicate was not performed in association with this analysis. Precision was not assessed.

7. Reporting Limits – Acceptable except as noted below:

   Analyte concentrations detected between the MDL and the reporting limit are reported by the laboratory with an 'J' flag. The result for toluene in MW-10I(49-50') was flagged 'J' by the laboratory. Laboratory 'J'-flagged results are considered estimated results. As the result is between the method detection limit and the reporting limit, there is a greater level of uncertainty associated with the numerical result. Laboratory assigned J-flags were designated on the data tables with an asterisk (*).

   The reporting limits for one or more VOCs were elevated in MW-10I(49-50') due to moisture content. The elevated reporting limits may affect the usability of the data for regulatory comparison.

8. Type of Review – Summary

Overall Assessment of Data

The data reported in this laboratory group, as qualified, are considered to be usable for meeting project objectives. The completeness for laboratory group QG17027 is 100%.

Table 1 – Summary of Qualified Data

Sample ID	Lab ID	Analyte	Result	Units	Final Result
No data were qualified in QG17027 based on this data validation.					

Appendix H: IDW Waste Manifests

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	1	800-535-5053	008205359 FLE

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	03	DM	4950	P	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
		9	2	15

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
		9	2	15

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
S C D 0 5 9 6 1 2 7 2 1	1	800-535-5053	008205365 FLE

GENERATOR

5. Generator's Name and Mailing Address

ITRON, INC.
ATTN: MARK MADISON FOR KEMPSVILLE LF
2111 NORTH MOORES ROAD, LIBERTY LAKE, WA 99019

Generator's Phone: 866 716-6703

Generator's Site Address (if different than mailing address)

ITRON, INC.
1210 EMERALD ROAD
GREENWOOD, SC 29649

6. Transporter 1 Company Name — U.S. EPA ID Number

UNIVAR USA INC. — G A D 9 8 0 8 4 5 9 7 7

7. Transporter 2 Company Name — U.S. EPA ID Number

EQ INDUSTRIAL SERVICES — M I R 4 3 5 6 4 7 4 2

8. Designated Facility Name and Site Address — U.S. EPA ID Number

EQ DETROIT
1923 FREDERICK STREET
DETROIT, MI 48211

Facility's Phone: 313-347-4200 — M I D 9 8 0 9 9 1 6 5 6

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA2982, HAZARDOUS WASTE, LIQUID, N.O.S. (TETRACHLOROPHTHALENE), 9, PG III, (ERG#171)	15	DM	7650	P	D010		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

1. 0123226DKT
MANIFEST PROVIDED BY CARRIER/BROKER YES/NO DRIVER SIGNATURE
**** RE CALLER MUST IDENTIFY UNIVAR USA AS REGISTRANT (CONTACT # 975691 ****

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month 12 — Day 17 — Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bobby Smith — Signature — Month 9 — Day 12 — Year 15

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

Appendix I: Analytical Summary Tables and Laboratory Reports

Table
Summary of VOCs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA (ug/L)		MW-1		MW-2		MW-3		MW-4		MW-5		MW-5D	
Sample Date:	US EPA MCL	SCDHEC RBSL	06/05/2014	7/28/2015	06/04/2014	7/28/2015	06/04/2014	7/28/2015	06/05/2014	7/29/2015	06/05/2014	7/28/2015	06/05/2014	7/28/2015
Other:	(Drinking Water)													
Volatile Organic Compounds (ug/L)														
Acetone	NSL	NSL	20 U	20 U	20 U	20 U	100 U	10 J*	20 U	20 U	1,000 U	1,000 U	20 U	7.6 J*
Benzene	5	5	5.0 U	5.0 U	5.0 U	0.54 J*	**17 J***	**10 J***	5.0 U	5.0 U	250 U	250 U	5.0 U	0.27 J*
Bromodichloromethane	80	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Bromoform	80	80	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
2-Butanone (MEK)	NSL	NSL	10 U	10 U	10 U	10 U	33 J*	50 U	10 U	10 U	500 U	500 U	10 U	10 U
Carbon disulfide	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Carbon tetrachloride	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Chlorobenzene	100	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Chloroethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Chloroform	80	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Cyclohexane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	5.0 U DNR	5.0 U	5.0 U DNR	5.0 U	25 U DNR	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Dibromochloromethane	80	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	0.05	0.05	5.0 U DNR	5.0 U	5.0 U DNR	5.0 U	25 U DNR	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,2-Dichlorobenzene	600	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,3-Dichlorobenzene	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Dichlorodifluoromethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,1-Dichloroethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,2-Dichloroethane	5	NSL	5.0 U	5.0 U	1.2 J*	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,1-Dichloroethene	7	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	70	NSL	5.0 U	5.0 U	5.0 U	5.0 U	**440**	**280**	0.39 J*	0.23 J*	46 J*	15 J*	5.0 U	**130**
trans-1,2-Dichloroethene	100	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,2-Dichloropropane	5	NSL	5.0 U	5.0 U	**11**	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	16 J*	6.9 J*	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
2-Hexanone	NSL	NSL	10 U	10 U	10 U	10 U	10 J*	4.6 J*	10 U	10 U	500 U	500 U	10 U	10 U
Isopropylbenzene	NSL	NSL	5.0 U	5.0 U	5.0 U	0.52 J*	26	17 J*	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Methyl acetate	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Methyl tertiary butyl ether (MTBE)	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NSL	NSL	10 U	10 U	10 U	10 U	6.9 J*	2.6 J*	10 U	10 U	500 U	500 U	10 U	10 U
Methylcyclohexane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.1 J*	4.5 J*	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Methylene chloride	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	0.60 J*
Styrene	100	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	0.81 J*	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Tetrachloroethene	5	NSL	0.80 J*	**7.7**	5.0 U	1.1 J*	25 U	**13 J***	2.4 J*	3.0 J*	**3,700**	**4,000**	**190**	0.96 J*
Toluene	1,000	1,000	5.0 U	0.27 J*	5.0 U	0.47 J*	25 U	2.9 J*	5.0 U	5.0 U	250 U	250 U	5.0 U	0.55 J*
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,1,1-Trichloroethane	200	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Trichloroethene	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	0.81 J*	5.0 U	5.0 U	**15 J***	**10 J***	0.56 J*	0.22 J*
Trichlorofluoromethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	25 U	25 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Vinyl chloride	2	NSL	2.0 U	2.0 U	2.0 U	2.0 U	10 U	10 U	0.42 J*	2.0 U	**38 J***	100 U	2.0 U	2.0 U
Xylenes (total)	10,000	10,000	5.0 U	5.0 U	5.0 U	3.4 J*	110	56	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U
Low-level Volatile Organic Compounds (ug/L)														
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	0.020 U	NA	0.020 U	NA	0.020 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.05	0.05	0.020 U	NA	0.020 U	NA	0.020 U	NA	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DNR - do not report
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
MCL - maximum contaminant level
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on SSCDHEC Risk Based Corrective Action (RBCA)
SCDHEC - South Carolina Department of Health and Environmental Control
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter
US EPA - United States Environmental Protection Agency
VOC - volatile organic compound

Table
Summary of VOCs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA (ug/L)		MW-6		MW-7		MW-8		MW-9		MW-9D		MW-10	MW-10D	
Sample Date:	US EPA MCL	SCDHEC RBSL	06/04/2014	7/29/2015	06/04/2014	7/29/2015	06/04/2014	7/29/2015	06/04/2014	7/28/2015	06/04/2014	7/28/2015	06/04/2014	06/04/2014	7/28/2015
Other:	(Drinking Water)														
Volatile Organic Compounds (ug/L)															
Acetone	NSL	NSL	4,000 U	4,000 U	20,000 U	40,000 U	10,000 U	10,000 U	20 U	20 U	20 U	2.7 J*	20 U	20 U	20 U
Benzene	5	5	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	80	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	80	80	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	NSL	NSL	2,000 U	2,000 U	10,000 U	20,000 U	5,000 U	5,000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	1.7 J*	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	100	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	80	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	1.8 J*	5.0 U	5.0 U	2.5 J*	0.48 J*
Chloromethane (Methyl chloride)	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	1,000 U DNR	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	80	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	0.05	0.05	1,000 U DNR	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	600	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	7	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	70	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	0.26 J*	5.0 U	0.46 J*	5.0 U	5.0 U
trans-1,2-Dichloroethene	100	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	NSL	NSL	2,000 U	2,000 U	10,000 U	20,000 U	2,500 U	5,000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tertiary butyl ether (MTBE)	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NSL	NSL	2,000 U	2,000 U	10,000 U	20,000 U	5,000 U	2,500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	100	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5	NSL	**14,000**	**9,600**	**97,000**	**100,000**	**21,000**	**20,000**	5.0 U	1.8 J*	5.0 U	0.73 J*	**1,500**	5.0 U	2.2 J*
Toluene	1,000	1,000	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	0.39 J*	5.0 U	0.31 J*	5.0 U	5.0 U	0.52 J*
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	200	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	1.3 J*	5.0 U	5.0 U
Trichlorofluoromethane	NSL	NSL	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2	NSL	400 U	400 U	2,000 U	4,000 U	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	10,000	10,000	1,000 U	1,000 U	5,000 U	10,000 U	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Low-level Volatile Organic Compounds (ug/L)															
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	0.020 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.05	0.05	0.020 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DNR - do not report
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
MCL - maximum contaminant level
NA - not analyzed or not applicable
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RBSL - Risk-Based Screening Levels based on SSCDHEC Risk Based Corrective Action (RBCA)
SCDHEC - South Carolina Department of Health and Environmental Control
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter
US EPA - United States Environmental Protection Agency
VOC - volatile organic compound

Table
Summary of VOCs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	**SCREENING CRITERIA (ug/L)**		**MW-10I**	**MW-10R**	**MW-11**			**MW-12**		**MW-13**		**MW-14**			**MW-15**	**MW-15R**	**MW-16**	
Sample Date:	US EPA MCL	SCDHEC RBSL	7/28/2015	7/28/2015	06/04/2014	7/29/2015	7/29/2015	06/05/2014	7/29/2015	06/05/2014	7/28/2015	06/04/2014	7/28/2015	7/28/2015	06/05/2014	7/28/2015	06/04/2014	7/28/2015
Other:	(Drinking Water)						(DUP)							(DUP)				
Volatile Organic Compounds (ug/L)																		
Acetone	NSL	NSL	4,000 U	400 U	20 U	20 U	20 U	1,000 U	1,000 U	20 U	20 U	20 U	100 U	20 U	20 U	4.7 J*	20 U	20 U
Benzene	5	5	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	80	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	2.9 J*	5.0 U	5.0 U
Bromoform	80	80	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	1.1 J*	5.0 U	5.0 U
Bromomethane (Methyl bromide)	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (MEK)	NSL	NSL	2,000 U	200 U	10 U	10 U	10 U	500 U	500 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	100	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	80	NSL	1,000 U	5.8 J*	5.0 U	5.0 U	5.0 U	250 U	250 U	2.8 J*	5.0 U	2.3 J*	25 U	5.0 U	3.9 J*	5.5	5.0 U	5.0 U
Chloromethane (Methyl chloride)	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U DNR	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	80	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	1.8 J*	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	0.05	0.05	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U DNR	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	600	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	0.60 J*	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	7	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	70	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	0.24 J*	25 U	0.27 J*	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	100	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	700	700	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	NSL	NSL	2,000 U	200 U	10 U	10 U	10 U	500 U	500 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tertiary butyl ether (MTBE)	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NSL	NSL	2,000 U	200 U	10 U	10 U	10 U	500 U	500 U	10 U	10 U	10 U	50 U	10 U	10 U	0.84 J*	10 U	10 U
Methylcyclohexane	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	100	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5	NSL	**15,000**	**2,900**	**37**	2.8 J*	2.5 J*	**4,500**	**4,800**	0.82 J*	5.0 U	**78**	**150**	**180**	0.60 J*	5.0 U	**160**	**110**
Toluene	1,000	1,000	1,000 U	100 U	5.0 U	0.30 J*	0.29 J*	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	0.27 J*	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	200	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5	NSL	1,000 U	**5.1 J***	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	0.83 J*	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	NSL	NSL	1,000 U	100 U	5.0 U	5.0 U	5.0 U	250 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2	NSL	400 U	40 U	2.0 U	2.0 U	2.0 U	100 U	100 U	2.0 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	10,000	10,000	1,000 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Low-level Volatile Organic Compounds (ug/L)																		
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	NA	NA	NA	NA	NA	0.019 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.05	0.05	NA	NA	NA	NA	NA	0.019 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DNR - do not report
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
MCL - maximum contaminant level
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on SSCDHEC Risk Based Corrective Action (RBCA)
SCDHEC - South Carolina Department of Health and Environmental Control
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter
US EPA - United States Environmental Protection Agency
VOC - volatile organic compound

Table
Summary of VOCs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA (ug/L)		MW-16D			MW-17			MW-18		MW-19	MW-20	MW-21	MW-22D
Sample Date:	US EPA MCL	SCDHEC RBSL	06/04/2014		7/28/2015	06/05/2014		7/28/2015	06/05/2014	7/28/2015	7/28/2015	7/28/2015	7/29/2015	7/28/2015
Other:	(Drinking Water)			(DUP)			(DUP)							
Volatile Organic Compounds (ug/L)														
Acetone	NSL	NSL	20 U	20 U	20 U	20 U	20 U	100 U	20 U	20 U	20 U	100 U	20 U	2.9 J*
Benzene	5	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Bromodichloromethane	80	NSL	5.0 U	5.0 U	5.0 U	3.2 J*	3.1 J*	25 U	5.0 U	5.0 U	0.27 J*	25 U	5.0 U	0.31 J*
Bromoform	80	80	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
2-Butanone (MEK)	NSL	NSL	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	50 U	10 U	10 U
Carbon disulfide	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Carbon tetrachloride	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Chlorobenzene	100	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Chloroethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Chloroform	80	NSL	5.0 U	5.0 U	5.0 U	8.6	8.5	25 U	5.0 U	5.0 U	0.77 J*	2.9 J*	5.0 U	1.3 J*
Chloromethane (Methyl chloride)	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Cyclohexane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	5.0 U	5.0 U	5.0 U	5.0 U DNR	5.0 U DNR	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Dibromochloromethane	80	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,2-Dibromoethane (EDB)	0.05	0.05	5.0 U	5.0 U	5.0 U	5.0 U DNR	5.0 U DNR	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,2-Dichlorobenzene	600	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,3-Dichlorobenzene	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,4-Dichlorobenzene	75	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Dichlorodifluoromethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,1-Dichloroethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,2-Dichloroethane	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,1-Dichloroethene	7	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	70	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	3.8 J*	5.0 U	5.0 U
trans-1,2-Dichloroethene	100	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,2-Dichloropropane	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Ethylbenzene	700	700	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
2-Hexanone	NSL	NSL	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	50 U	10 U	10 U
Isopropylbenzene	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Methyl acetate	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Methyl tertiary butyl ether (MTBE)	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
4-Methyl-2-pentanone	NSL	NSL	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	50 U	10 U	10 U
Methylcyclohexane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Methylene chloride	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Styrene	100	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Tetrachloroethene	5	NSL	**18**	**18**	**30**	**75**	**73**	**690 J**	0.78 J*	0.90 J*	1.2 J*	**360**	1.7 J*	5.0 U
Toluene	1,000	1,000	5.0 U	5.0 U	0.30 J*	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	0.25 J*	0.34 J*
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	70	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,1,1-Trichloroethane	200	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Trichloroethene	5	NSL	5.0 U	5.0 U	5.0 U	0.79 J*	0.71 J*	**8.3 J***	5.0 U	5.0 U	5.0 U	4.3 J*	5.0 U	5.0 U
Trichlorofluoromethane	NSL	NSL	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Vinyl chloride	2	NSL	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U
Xylenes (total)	10,000	10,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Low-level Volatile Organic Compounds (ug/L)														
1,2-Dibromo-3-chloropropane (DBCP)	0.2	NSL	NA	NA	NA	0.020 U	0.020 U	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	0.05	0.05	NA	NA	NA	0.020 U	0.020 U	NA	NA	NA	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DNR - do not report
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
MCL - maximum contaminant level
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on SSCDHEC Risk Based Corrective Action (RBCA)
SCDHEC - South Carolina Department of Health and Environmental Control
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter
US EPA - United States Environmental Protection Agency
VOC - volatile organic compound

Table
Summary of PAHs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	**SCREENING CRITERIA (ug/L)**		**MW-1**	**MW-2**	**MW-3**		**MW-4**	**MW-5**	**MW-5D**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-9D**
Sample Date:	US EPA MCL	SCDHEC RBSL	06/05/2014	06/04/2014	06/04/2014	7/29/2015	06/05/2014	06/05/2014	06/05/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014	06/04/2014
Other:	(Drinking Water)													
Polycyclic Aromatic Hydrocarbons (ug/L)														
Acenaphthene	NSL	NSL	0.20 U	0.40 U	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Acenaphthylene	NSL	NSL	0.20 U	0.40 U	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Anthracene	NSL	NSL	0.20 U	0.40 U	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Benzo(a)anthracene	NSL	NSL	0.20 U	0.042 J*	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Benzo(a)pyrene	0.2	NSL	0.20 U	0.050 J*	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Benzo(b)fluoranthene	NSL	NSL	0.20 U	0.11 J*	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Benzo(g,h,i)perylene	NSL	NSL	0.20 U	0.40 U	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Benzo(k)fluoranthene	NSL	NSL	0.20 U	0.40 U	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Chrysene	NSL	NSL	0.20 U	0.077 J*	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NSL	NSL	0.20 U	0.40 U	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Fluoranthene	NSL	NSL	0.20 U	0.15 J*	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Fluorene	NSL	NSL	0.20 U	0.063 J*	100 U	40 U	0.028 J*	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	NSL	NSL	0.20 U	0.40 U	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Naphthalene	NSL	25	0.20 U	1.1	**200**	**190**	0.14 J*	0.20 U	0.10 J*	0.20 U	NA	NA	NA	NA
Phenanthrene	NSL	NSL	0.20 U	0.15 J*	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA
Pyrene	NSL	NSL	0.20 U	0.13 J*	100 U	40 U	0.20 U	0.20 U	0.20 U	0.20 U	NA	NA	NA	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
MCL - maximum contaminant level
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSL - Risk-Based Screening Levels based on SCDHEC Risk Based Corrective Action (RBCA), 2001
SCDHEC - South Carolina Department of Health and Environmental Control
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter
US EPA - United States Environmental Protection Agency

Table
Summary of PAHs in Groundwater
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	**SCREENING CRITERIA (ug/L)**		**MW-10**	**MW-10D**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**MW-16**	**MW-16D**		**MW-17**		**MW-18**
Sample Date:	US EPA MCL	SCDHEC RBSL	06/04/2014	06/04/2014	06/04/2014	06/05/2014	06/05/2014	06/04/2014	06/05/2014	06/04/2014	06/04/2014		06/05/2014		06/05/2014
Other:	(Drinking Water)											(DUP)		(DUP)	
Polycyclic Aromatic Hydrocarbons (ug/L)															
Acenaphthene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Acenaphthylene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Anthracene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	0.2	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Benzo(k)fluoranthene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Chrysene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Fluoranthene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Fluorene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Indeno(1,2,3-c,d)pyrene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U
Naphthalene	NSL	25	NA	NA	NA	0.039 J*	NA	NA	NA	NA	NA	NA	0.033 J*	0.071 J*	0.038 J*
Phenanthrene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.043 J*	0.040 J*	0.20 U
Pyrene	NSL	NSL	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
US EPA - United States Environmental Protection Agency
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
MCL - maximum contaminant level
NA - not analyzed or not applicable
NSL - no screening level listed
PAH - polycyclic aromatic hydrocarbon
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
SCDHEC - South Carolina Department of Health and Environmental Control
U - Compound was analyzed for but not detected above the reporting limit shown.
ug/L - microgram per liter

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-19			SB-20			SB-21				SB-22		SB-22A
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	0-1'	3-4'	18-19'	0-1'	10-11'	23-24'	0-1'	8-9'	27-28'		27-28'	29-30'	0-1'
Sample Date:					05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014	05/10/2014		03/31/2014	03/31/2014	04/01/2014
Other:														(DUP)			
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.033 U	0.031 U	0.022 U	0.024 U	0.019 U	0.028 U	0.022 U	0.026 U	0.025 U	0.019 U	0.024 U	0.22 U	0.19 U
Benzene	0.0026	1.1	5.4	0.007	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Bromoform	0.021	62	220	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.017 U	0.015 U	0.011 U	0.012 U	0.0095 U	0.014 U	0.011 U	0.013 U	0.012 U	0.0093 U	0.012 U	0.11 U	0.096 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Chlorobenzene	0.068	290	1,400	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Chloroethane	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Chloroform	0.022	0.29	1.5	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	**0.0042 J***	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Ethylbenzene	0.78	5.4	27	1.15	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
2-Hexanone	NSL	210	1400	NSL	0.017 U	0.015 U	0.011 U	0.012 U	0.0095 U	0.014 U	0.011 U	0.013 U	0.012 U	0.0093 U	0.012 U	0.11 U	0.096 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.017 U	0.015 U	0.011 U	0.012 U	0.0095 U	0.014 U	0.011 U	0.013 U	0.012 U	0.0093 U	0.012 U	0.11 U	0.096 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Methylene chloride	0.0013	56	960	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Styrene	0.11	6,300	36,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Tetrachloroethene	0.0023	22	110	NSL	**0.22 J**	**0.0022 J***	**0.068 J**	**0.12 J**	0.00088 J*	**0.012**	**0.22**	**0.017**	**0.065 J**	**0.13 J**	**0.16**	**0.29**	**0.092**
Toluene	0.69	5,000	45,000	1.45	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U
Xylenes (total)	9.8	630	2,700	14.5	0.0084 U	0.0077 U	0.0055 U	0.0059 U	0.0047 U	0.0069 U	0.0055 U	0.0065 U	0.0062 U	0.0046 U	0.0060 U	0.055 U	0.048 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-23		SB-23A	SB-24		SB-25			SB-25A	SB-26			
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	25-26'	29-30'	4-5'	3-4'	24-25'	27-28'	28-29'		0-1'	1-2'	2-3'	3-4'	29-30'
Sample Date:					03/31/2014	03/31/2014	04/01/2014	03/31/2014	03/31/2014	03/31/2014	03/31/2014		04/01/2014	03/31/2014	03/31/2014	03/31/2014	03/31/2014
Other:												(DUP)					
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.023 U	0.023 U	0.022 U	0.033 U	0.025 U	0.026 U	1.3 U	1.2 U	1.1 U	4.3 U	1,200 U	2.2 U	1.1 U
Benzene	0.0026	1.1	5.4	0.007	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Bromoform	0.021	62	220	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.012 U	0.011 U	0.011 U	0.017 U	0.013 U	0.013 U	0.64 U	0.59 U	0.57 U	2.2 U	600 U	1.1 U	0.55 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Chlorobenzene	0.068	290	1,400	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Chloroethane	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Chloroform	0.022	0.29	1.5	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0020 J*	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Ethylbenzene	0.78	5.4	27	1.15	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
2-Hexanone	NSL	210	1400	NSL	0.012 U	0.011 U	0.011 U	0.017 U	0.013 U	0.013 U	0.64 U	0.59 U	0.57 U	2.2 U	600 U	1.1 U	0.55 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.012 U	0.011 U	0.011 U	0.017 U	0.013 U	0.013 U	0.64 U	0.59 U	0.57 U	2.2 U	600 U	1.1 U	0.55 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Methylene chloride	0.0013	56	960	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Styrene	0.11	6,300	36,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Tetrachloroethene	0.0023	22	110	NSL	**0.45**	**0.19**	**0.32**	**0.0025 J***	**0.015**	**11**	**14**	**8.7**	**5.6**	**18**	**2,600**	**4.7**	**2.2**
Toluene	0.69	5,000	45,000	1.45	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	**0.0013 J***	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U
Xylenes (total)	9.8	630	2,700	14.5	0.0058 U	0.0057 U	0.0054 U	0.0083 U	0.0064 U	0.0065 U	0.32 U	0.29 U	0.29 U	1.1 U	300 U	0.54 U	0.27 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-26A	SB-27		SB-28			SB-29		SB-29A		SB-30		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	0-1'	7-8'	29-30'	14-15'	26-27'	29-30'	22-23'	27-28'	3-4'	14-15'	6-7'		19-20'
Sample Date:					04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/01/2014	04/02/2014	04/02/2014	04/01/2014		04/01/2014
Other:																(DUP)	
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.97 U	0.020 U	0.020 U	0.022 U	1.0 U	0.017 U	0.028	0.021 U	1.1 U	1.1 U	0.021 U	0.022 U	0.024 U
Benzene	0.0026	1.1	5.4	0.007	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Bromoform	0.021	62	220	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.48 U	0.010 U	0.010 U	0.011 U	0.5 U	0.0087 U	0.0064 J*	0.011 U	0.57 U	0.57 U	0.010 U	0.011 U	0.012 U
Carbon disulfide	0.0019	820	3,700	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Chlorobenzene	0.068	290	1,400	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Chloroethane	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Chloroform	0.022	0.29	1.5	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0015 J*	0.00095 J*	0.0035 J*	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Cyclohexane	NSL	7,000	29,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0016 J*	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Ethylbenzene	0.78	5.4	27	1.15	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
2-Hexanone	NSL	210	1400	NSL	0.48 U	0.010 U	0.010 U	0.011 U	0.5 U	0.0087 U	0.010 U	0.011 U	0.57 U	0.57 U	0.010 U	0.011 U	0.012 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.48 U	0.010 U	0.010 U	0.011 U	0.5 U	0.0087 U	0.010 U	0.011 U	0.57 U	0.57 U	0.010 U	0.011 U	0.012 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Methylene chloride	0.0013	56	960	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Styrene	0.11	6,300	36,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Tetrachloroethene	0.0023	22	110	NSL	**31**	0.0051 U	**0.91**	**0.0030 J***	**0.62**	**2.4**	**4.6**	**18**	**0.95**	**0.073 J***	0.0049 U	0.0054 U	0.0010 J*
Toluene	0.69	5,000	45,000	1.45	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	**0.0015 J***	**0.0099**	**0.015**	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	**0.0039 J***	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U
Xylenes (total)	9.8	630	2,700	14.5	0.24 U	0.0051 U	0.0050 U	0.0056 U	0.25 U	0.0044 U	0.0051 U	0.0053 U	0.28 U	0.29 U	0.0052 U	0.0054 U	0.0060 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-31		SB-32			SB-33		SB-33A		SB-34		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	6-7'	25-26'	7-8'	15-16'	20-21'	2-3'	8-9'	17-18'	22-23'	6-7'	17-18'	25-26'
Sample Date:					04/01/2014	04/01/2014	04/02/2014	04/02/2014	04/02/2014	04/01/2014	04/01/2014	04/02/2014	04/02/2014	04/02/2014	04/02/2014	04/02/2014
Other:																
Volatile Organic Compounds (mg/kg)																
Acetone	NSL	61,000	630,000	NSL	0.021 U	0.023 U	0.028 U	0.024 U	0.021 U	0.0085 J*	0.019 U	1.3 U	0.023 U	0.025 U	0.026 U	1.2 UJ
Benzene	0.0026	1.1	5.4	0.007	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Bromoform	0.021	62	220	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.010 U	0.012 U	0.014 U	0.012 U	0.010 U	0.010 U	0.0096 U	0.67 U	0.012 U	0.012 U	0.013 U	0.61 UJ
Carbon disulfide	0.0019	820	3,700	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Chlorobenzene	0.068	290	1,400	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Chloroethane	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Chloroform	0.022	0.29	1.5	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Cyclohexane	NSL	7,000	29,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Ethylbenzene	0.78	5.4	27	1.15	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
2-Hexanone	NSL	210	1400	NSL	0.010 U	0.012 U	0.014 U	0.012 U	0.010 U	0.010 U	0.0096 U	0.67 U	0.012 U	0.012 U	0.013 U	0.61 UJ
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.010 U	0.012 U	0.014 U	0.012 U	0.010 U	0.010 U	0.0096 U	0.67 U	0.012 U	0.012 U	0.013 U	0.61 UJ
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Methylene chloride	0.0013	56	960	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Styrene	0.11	6,300	36,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Tetrachloroethene	0.0023	22	110	NSL	0.00055 J*	**0.0061**	0.400 U	**0.0048 J***	**0.33**	0.00071 J*	0.00058 J*	**0.62**	**0.097**	0.00082 J*	**0.030**	**4.3 J**
Toluene	0.69	5,000	45,000	1.45	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Trichloroethene	0.0018	0.91	6.4	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ
Xylenes (total)	9.8	630	2,700	14.5	0.0052 U	0.0058 U	0.0070 U	0.0059 U	0.0052 U	0.0052 U	0.0048 U	0.34 U	0.0058 U	0.0062 U	0.0066 U	0.30 UJ

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-35			SB-36			SB-37		SB-38		
Depth (feet bgs):					7-8'	17-18'	25-26'	5-6'	18-19'	26-27'	4-5'	23-24'	0-1'	16-17'	24-25'
Sample Date:	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	04/02/2014	04/02/2014	04/02/2014	04/02/2014	04/02/2014	04/02/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014
Other:															
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	0.026 U	1.3 U	1.2 U	0.026 U	0.025 U	0.022 U	0.45 J*	1.6 UJ	0.024 U	0.027 U	0.021 U
Benzene	0.0026	1.1	5.4	0.007	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Bromoform	0.021	62	220	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.013 U	0.65 U	0.61 U	0.013 U	0.013 U	0.011 U	0.63 U	0.81 UJ	0.012 U	0.013 U	0.010 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Chlorobenzene	0.068	290	1,400	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Chloroethane	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Chloroform	0.022	0.29	1.5	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Ethylbenzene	0.78	5.4	27	1.15	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.58 J	0.0059 U	0.0067 U	0.0052 U
2-Hexanone	NSL	210	1400	NSL	0.013 U	0.65 U	0.61 U	0.013 U	0.013 U	0.011 U	0.63 U	0.81 UJ	0.012 U	0.013 U	0.010 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	1.6 J	0.0059 U	0.0067 U	0.00072 J*
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.013 U	0.65 U	0.61 U	0.013 U	0.013 U	0.011 U	0.63 U	0.81 UJ	0.012 U	0.013 U	0.010 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.42 J	0.0059 U	0.0067 U	0.0052 U
Methylene chloride	0.0013	56	960	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Styrene	0.11	6,300	36,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Tetrachloroethene	0.0023	22	110	NSL	**0.040**	**1.1**	**0.38**	0.0065 U	0.00067 J*	**0.0061**	**0.27 J***	**0.14 J***	0.0012 J*	0.0067 U	0.0052 U
Toluene	0.69	5,000	45,000	1.45	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	0.4 UJ	0.0059 U	0.0067 U	0.0052 U
Xylenes (total)	9.8	630	2,700	14.5	0.0064 U	0.32 U	0.31 U	0.0065 U	0.0064 U	0.0055 U	0.31 U	4.8 J	0.0059 U	0.0067 U	0.0052 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-39			SB-40		SB-41			SB-42		
Depth (feet bgs):					5-6'	14-15'	22-23'	17-18'	23-24'	1-2'	14-15'	23-24'	0-1'	14-15'	23-24'
Sample Date:	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/08/2014	04/09/2014	04/09/2014	04/09/2014
Other:															
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	1.1 U	1.5 U	2.4 U	1.3 U	1.2 U	0.023 U	1.3 UJ	1.3 UJ	1.2 UJ	0.028 U	1.4 U
Benzene	0.0026	1.1	5.4	0.007	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Bromoform	0.021	62	220	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.54 U	0.75 U	1.2 U	0.64 U	0.58 U	0.011 U	0.66 UJ	0.63 UJ	0.59 UJ	0.014 U	0.71 U
Carbon disulfide	0.0019	820	3,700	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Chlorobenzene	0.068	290	1,400	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Chloroethane	NSL	NSL	NSL	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Chloroform	0.022	0.29	1.5	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Cyclohexane	NSL	7,000	29,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.049 J	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.20 J*
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Ethylbenzene	0.78	5.4	27	1.15	0.27 U	0.61	0.72	0.32 U	0.63	0.0057 U	0.23 J*	0.20 J*	0.29 UJ	0.0070 U	0.22 J*
2-Hexanone	NSL	210	1400	NSL	0.54 U	0.75 U	1.2 U	0.64 U	4.0	0.011 U	0.66 UJ	0.63 UJ	0.59 UJ	0.014 U	0.71 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.054 J*	2.7	4.6	0.11 J*	2.7	0.0057 U	1.8 J*	1.4 J	0.29 UJ	0.0070 U	2.0
Methyl acetate	NSL	78,000	1,000,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.54 U	0.75 U	1.2 U	0.64 U	0.58 U	0.011 U	0.66 UJ	0.63 UJ	0.59 UJ	0.014 U	0.71 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.27 U	0.47	0.50 J*	0.32 U	0.38	0.0057 U	0.12 J*	0.14 J*	0.29 UJ	0.0070 U	0.4
Methylene chloride	0.0013	56	960	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Styrene	0.11	6,300	36,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Tetrachloroethene	0.0023	22	110	NSL	0.27 U	0.37 U	0.59 U	0.32 U	**2.3**	**0.034**	**2.2 J**	**0.79 J**	**22 J**	0.0020 J*	**39**
Toluene	0.69	5,000	45,000	1.45	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.29 J*
Trichlorofluoromethane	NSL	790	3,400	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.27 U	0.37 U	0.59 U	0.32 U	0.29 U	0.0057 U	0.33 UJ	0.32 UJ	0.29 UJ	0.0070 U	0.35 U
Xylenes (total)	9.8	630	2,700	14.5	0.27 U	4.3	**10**	0.32 U	4.7	0.0057 U	4.1 J	3.3 J	0.29 UJ	0.0070 U	3.5

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-43				SB-44		SB-45				
Depth (feet bgs):					7-8'	10-11'	19-20'		11-12'	24-25'	0-1'	3-4'	15-16'		21-22'
Sample Date:	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	04/09/2014	04/09/2014	04/09/2014		04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014		04/03/2014
Other:								(DUP)						(DUP)	
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	1.1 UJ	1.2 UJ	1.3 U	1.2 U	0.012 J	45 U	0.075	260 U	35 U	320 U	52 U
Benzene	0.0026	1.1	5.4	0.007	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Bromoform	0.021	62	220	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.57 UJ	0.60 UJ	0.63 U	0.60 U	0.0099 U	22 U	0.010 J*	130 U	18 U	160 U	26 U
Carbon disulfide	0.0019	820	3,700	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Chlorobenzene	0.068	290	1,400	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Chloroethane	NSL	NSL	NSL	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Chloroform	0.022	0.29	1.5	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Cyclohexane	NSL	7,000	29,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.077 J*	0.21 J*	0.17 J*	0.17 J*	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Ethylbenzene	0.78	5.4	27	1.15	0.29 UJ	0.15 J*	**1.3**	**1.1**	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
2-Hexanone	NSL	210	1400	NSL	0.57 UJ	0.60 UJ	0.63 U	0.60 U	0.0099 U	22 U	0.014 U	130 U	18 U	160 U	26 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.072 J*	0.47 J	6.8	4.4	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.57 UJ	0.60 UJ	0.63 U	0.30 U	0.0099 U	22 U	0.014 U	130 U	18 U	160 U	26 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.065 J*	0.32 J	0.93	0.73	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Methylene chloride	0.0013	56	960	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	**46**
Styrene	0.11	6,300	36,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Tetrachloroethene	0.0023	22	110	NSL	**32 J**	**71 J**	**61**	**67**	**0.0038 J***	**220**	**18**	**1,300**	**6,300**	**4,600**	**7,300**
Toluene	0.69	5,000	45,000	1.45	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.42 J	0.86 J	0.32	0.25 J*	0.0050 U	11 U	0.017	66 U	8.8 U	80 U	13 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.29 UJ	0.30 UJ	0.32 U	0.30 U	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U
Xylenes (total)	9.8	630	2,700	14.5	0.19 J*	1.1 J	11	9.2	0.0050 U	11 U	0.0068 U	66 U	8.8 U	80 U	13 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-46			SB-47			SB-48			SB-49		
Depth (feet bgs):					3-4'	15-16'	25-26'	0-1'	6-7'	24-25'	2-3'	14-15'	25-26'	3-4'	12-13'	23-24'
Sample Date:	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014	04/03/2014
Other:																
Volatile Organic Compounds (mg/kg)																
Acetone	NSL	61,000	630,000	NSL	1.3 U	14 UJ	12 U	0.022 U	0.028 U	1.3 U	1.0 U	1.2 U	0.022 U	1.0 U	0.027 U	0.024
Benzene	0.0026	1.1	5.4	0.007	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Bromoform	0.021	62	220	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.64 U	7.2 UJ	6.1 U	0.011 U	0.014 U	0.63 U	0.52 U	0.59 U	0.011 U	0.52 U	0.013 U	0.012 U
Carbon disulfide	0.0019	820	3,700	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Chlorobenzene	0.068	290	1,400	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Chloroethane	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Chloroform	0.022	0.29	1.5	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Cyclohexane	NSL	7,000	29,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.54	0.0067 U	0.0059 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Ethylbenzene	0.78	5.4	27	1.15	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
2-Hexanone	NSL	210	1400	NSL	0.64 U	7.2 UJ	6.1 U	0.011 U	0.014 U	0.63 U	0.52 U	0.59 U	0.011 U	0.52 U	0.013 U	0.012 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.36	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.64 U	7.2 UJ	6.1 U	0.011 U	0.014 U	0.63 U	0.52 U	0.59 U	0.011 U	0.52 U	0.013 U	0.012 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.32 U	3.6 UJ	0.41 J*	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Methylene chloride	0.0013	56	960	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Styrene	0.11	6,300	36,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Tetrachloroethene	0.0023	22	110	NSL	**330**	**1,700 J**	**2,900**	**0.074**	**0.0040 J***	**0.36**	**18**	**2.7**	**0.053**	**8.0**	**0.094**	**0.45**
Toluene	0.69	5,000	45,000	1.45	0.32 U	3.6 UJ	1.1 J*	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.28 J*	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.71	0.30 U	0.0054 U	0.19 J*	0.0067 U	0.0059 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.32 U	3.6 UJ	3.0 U	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U
Xylenes (total)	9.8	630	2,700	14.5	0.32 U	3.6 UJ	2.3 J*	0.0055 U	0.0070 U	0.32 U	0.26 U	0.30 U	0.0054 U	0.26 U	0.0067 U	0.0059 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-50			SB-51			SB-52			SB-53		SB-54	
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	0-1'	10-11'	19-20'	2-3'	9-10'	23-24'	6-7'	9-10'	18-19'	1-2'	24-25'	1-2'	24-25'
Sample Date:					04/09/2014	04/09/2014	04/09/2014	04/03/2014	04/03/2014	04/03/2014	04/04/2014	04/04/2014	04/04/2014	04/02/2014	04/02/2014	04/04/2014	04/04/2014
Other:																	
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.018 U	0.027 U	0.021 U	0.021 U	0.024 U	0.028 U	0.022 U	0.021 U	0.031 U	0.025 U	0.019 U	0.029 U	0.021 U
Benzene	0.0026	1.1	5.4	0.007	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Bromoform	0.021	62	220	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.0088 U	0.014 U	0.011 U	0.010 U	0.012 U	0.014 U	0.011 U	0.011 U	0.016 U	0.013 U	0.0094 U	0.015 U	0.010 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Chlorobenzene	0.068	290	1,400	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Chloroethane	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Chloroform	0.022	0.29	1.5	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Ethylbenzene	0.78	5.4	27	1.15	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
2-Hexanone	NSL	210	1400	NSL	0.0088 U	0.014 U	0.011 U	0.010 U	0.012 U	0.014 U	0.011 U	0.011 U	0.016 U	0.013 U	0.0094 U	0.015 U	0.010 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.0088 U	0.014 U	0.011 U	0.010 U	0.012 U	0.014 U	0.011 U	0.011 U	0.016 U	0.013 U	0.0094 U	0.015 U	0.010 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Methylene chloride	0.0013	56	960	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Styrene	0.11	6,300	36,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Tetrachloroethene	0.0023	22	110	NSL	**0.026**	0.00092 J*	0.0053 U	**0.18**	**0.10**	**0.16**	0.00056 J*	0.00064 J*	**0.0040 J***	**0.014**	**0.099**	0.0074 U	0.0052 U
Toluene	0.69	5,000	45,000	1.45	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U
Xylenes (total)	9.8	630	2,700	14.5	0.0044 U	0.0068 U	0.0053 U	0.0052 U	0.0061 U	0.0069 U	0.0056 U	0.0054 U	0.0078 U	0.0063 U	0.0047 U	0.0074 U	0.0052 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-55			SB-56				SB-57			SB-58		
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	11-12'	24-25'		0-1'	13-14'	28-29'		0-1'	4-5'	9-10'	4-5'	9-10'	23-24'
Sample Date:					04/04/2014	04/04/2014		04/08/2014	04/08/2014	04/08/2014		05/10/2014	05/10/2014	05/10/2014	04/08/2014	04/08/2014	04/08/2014
Other:							(DUP)				(DUP)						
Volatile Organic Compounds (mg/kg)																	
Acetone	NSL	61,000	630,000	NSL	0.025 UJ	1.1 U	1.1 U	0.021 U	1.4 U	2.4 U	1.2 U	0.030 U	0.024 U	0.024 U	0.023 U	0.021 U	1.1 U
Benzene	0.0026	1.1	5.4	0.007	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Bromoform	0.021	62	220	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.013 U	0.57 U	0.55 U	0.010 U	0.70 U	1.2 U	0.62 U	0.015 U	0.012 U	0.012 U	0.012 U	0.010 U	0.56 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Chlorobenzene	0.068	290	1,400	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Chloroethane	NSL	NSL	NSL	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Chloroform	0.022	0.29	1.5	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	**0.0028 J***	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Ethylbenzene	0.78	5.4	27	1.15	0.0063 U	0.29	0.28 U	0.0052 U	0.42 J	**2.2 J**	0.31 UJ	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
2-Hexanone	NSL	210	1400	NSL	0.013 U	0.57 U	0.55 U	0.010 U	0.70 U	1.2 U	0.62 U	0.015 U	0.012 U	0.012 U	0.012 U	0.010 U	0.56 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0063 U	1.5 J	0.75 J	0.0052 U	0.55 J	2.7 J	0.042 J*	0.0074 U	0.0060 U	0.0059 U	0.0020 J*	0.0052 U	0.28 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.013 U	0.57 U	0.55 U	0.010 U	0.7 U	1.2 U	0.62 U	0.015 U	0.0060 U	0.012 U	0.012 U	0.010 U	0.56 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0063 U	1.1 J	0.62 J	0.0052 U	0.075 J*	2.3 J	0.066 J*	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Methylene chloride	0.0013	56	960	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Styrene	0.11	6,300	36,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0063 UJ	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Tetrachloroethene	0.0023	22	110	NSL	0.0008 J*	**0.051 J***	**0.038 J***	0.0052 U	**0.042 J***	0.60 U	0.31 U	0.0011 J*	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Toluene	0.69	5,000	45,000	1.45	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0063 U	0.29 U	0.28 U	0.0052 U	0.35 U	0.60 U	0.31 U	0.0074 U	0.0060 U	0.0059 U	0.0059 U	0.0052 U	0.28 U
Xylenes (total)	9.8	630	2,700	14.5	0.0063 U	3.9	1.4	0.0052 U	1.1 J	15 J	0.31 UJ	0.0074 U	0.0060 U	0.0059 U	0.0053 J*	0.0052 U	0.28 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				SB-59		SB-60		MW-5D		MW-9D			MW-10D		MW-10I	MW-12	
Depth (feet bgs):	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	2-3'	3-4'	3-4'	4-5'	1-2'	21-22'	0-1'	15-16'	64-65'	7-8'	22-23'	49-50'	0-1'	33-34'
Sample Date:					05/19/2014	05/19/2014	05/19/2014	05/19/2014	05/13/2014	05/13/2014	05/14/2014	05/14/2014	05/14/2014	05/15/2014	05/15/2014	7/13/2015	05/12/2014	05/12/2014
Other:																		
Volatile Organic Compounds (mg/kg)																		
Acetone	NSL	61,000	630,000	NSL	0.030 J*	0.086	0.011 J*	0.020 U	0.019 U	0.026 U	0.030 U	0.023 U	NA	0.026 U	0.026 U	0.027 U	0.080 J	0.022 U
Benzene	0.0026	1.1	5.4	0.007	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Bromoform	0.021	62	220	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.016 U	0.013 U	0.015 U	0.010 U	0.0093 U	0.013 U	0.015 U	0.012 U	NA	0.013 U	0.013 U	0.014 U	0.013 U	0.011 U
Carbon disulfide	0.0019	820	3,700	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Chlorobenzene	0.068	290	1,400	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Chloroethane	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Chloroform	0.022	0.29	1.5	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Cyclohexane	NSL	7,000	29,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0068 U	0.0064 U	0.0054 U
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0068 U	0.0064 U	0.0054 U
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0068 U	0.0064 U	0.0054 U
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0068 U	0.0064 U	0.0054 U
Ethylbenzene	0.78	5.4	27	1.15	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
2-Hexanone	NSL	210	1400	NSL	0.016 U	0.013 U	0.015 U	0.010 U	0.0093 U	0.013 U	0.015 U	0.012 U	NA	0.013 U	0.013 U	0.014 U	0.013 U	0.011 U
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0079 U	0.048	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0068 U	0.0064 U	0.0054 U
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.016 U	0.013 U	0.015 U	0.010 U	0.0093 U	0.013 U	0.015 U	0.012 U	NA	0.013 U	0.013 U	0.014 U	0.013 U	0.011 U
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Methylene chloride	0.0013	56	960	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0068 U	0.0064 U	0.0054 U
Styrene	0.11	6,300	36,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 UJ	0.0068 U	0.0064 U	0.0054 U
Tetrachloroethene	0.0023	22	110	NSL	**0.035**	**0.035**	**0.0045 J***	**0.0034 J***	0.0017 J*	**0.0066 J**	**0.0032 J***	**0.0025 J***	NA	**0.23**	**1.7**	**0.17**	**0.025**	**0.47 EJ**
Toluene	0.69	5,000	45,000	1.45	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0041 J*	0.0064 U	0.0054 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Trichloroethene	0.0018	0.91	6.4	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0079 U	0.0065 U	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U
Xylenes (total)	9.8	630	2,700	14.5	0.0079 U	0.0046 J*	0.0074 U	0.0051 U	0.0047 U	0.0066 U	0.0075 U	0.0058 U	NA	0.0065 U	0.0066 U	0.0068 U	0.0064 U	0.0054 U

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				MW-13			MW-14			MW-15				
Depth (feet bgs):					1-2'	25-26'	36-37'	13-14'	20-21'	44'-45'	7-8'	16-17'		23-24'	31-32'
Sample Date:	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	05/15/2014	05/15/2014	05/15/2014	05/14/2014	05/14/2014	05/14/2014	05/14/2014	05/14/2014	05/13/2014 (DUP)	05/14/2014	05/14/2014
Other:															
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	0.018 J*	0.023 U	NA	0.025 U	0.020 U	NA	0.024 U	0.026 U	0.024 U	0.028 U	NA
Benzene	0.0026	1.1	5.4	0.007	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Bromoform	0.021	62	220	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.013 U	0.011 U	NA	0.013 U	0.010 U	NA	0.012 U	0.013 U	0.012 U	0.014 U	NA
Carbon disulfide	0.0019	820	3,700	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Chlorobenzene	0.068	290	1,400	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Chloroethane	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Chloroform	0.022	0.29	1.5	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Cyclohexane	NSL	7,000	29,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Ethylbenzene	0.78	5.4	27	1.15	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
2-Hexanone	NSL	210	1400	NSL	0.013 U	0.011 U	NA	0.013 U	0.010 U	NA	0.012 U	0.013 U	0.012 U	0.014 U	NA
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.013 U	0.011 U	NA	0.013 U	0.010 U	NA	0.012 U	0.013 U	0.012 U	0.014 U	NA
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Methylene chloride	0.0013	56	960	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Styrene	0.11	6,300	36,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0064 U	0.0056 U	NA	0.0063 UJ	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Tetrachloroethene	0.0023	22	110	NSL	**0.0028 J***	0.0020 J*	NA	0.0021 J*	**0.0024 J***	NA	0.0022 J*	**0.0030 J***	0.0018 J*	**0.0034 J***	NA
Toluene	0.69	5,000	45,000	1.45	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Trichloroethene	0.0018	0.91	6.4	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA
Xylenes (total)	9.8	630	2,700	14.5	0.0064 U	0.0056 U	NA	0.0063 U	0.0051 U	NA	0.0059 U	0.0065 U	0.0059 U	0.0069 U	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

Table
Summary of VOCs in Soil
Itron - Greenwood
Greenwood, South Carolina

Sample ID:	SCREENING CRITERIA				MW-16			MW-16D		MW-17			MW-18		
Depth (feet bgs):					(3-4')	(19-20')		6-7'	22-23'	0-1'	4-5'	23-24'	4-5'	12-13'	38-39'
Sample Date:	EPA SSL for Protection of Groundwater	Resident Soil RSL	Industrial Soil RSL	SCDHEC RBSL	05/20/2014	05/20/2014		05/19/2014	05/19/2014	05/10/2014	05/10/2014	05/10/2014	05/12/2014	05/12/2014	05/12/2014
Other:							(DUP)								
Volatile Organic Compounds (mg/kg)															
Acetone	NSL	61,000	630,000	NSL	0.023 U	0.020 U	0.021 U	0.025 U	0.017 U	0.021 U	0.020 U	0.019 U	0.024 U	0.023 U	NA
Benzene	0.0026	1.1	5.4	0.007	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Bromodichloromethane	0.022	0.27	1.4	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Bromoform	0.021	62	220	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Bromomethane (Methyl bromide)	NSL	7.3	32	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
2-Butanone (MEK)	NSL	28,000	200,000	NSL	0.011 U	0.0099 U	0.011 U	0.013 U	0.0083 U	0.010 U	0.010 U	0.0096 U	0.012 U	0.011 U	NA
Carbon disulfide	0.0019	820	3,700	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Carbon tetrachloride	0.0019	0.61	3	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Chlorobenzene	0.068	290	1,400	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Chloroethane	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Chloroform	0.022	0.29	1.5	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Chloromethane (Methyl chloride)	NSL	120	500	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Cyclohexane	NSL	7,000	29,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dibromo-3-chloropropane (DBCP)	0.00086	0.0054	0.069	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Dibromochloromethane	0.021	0.68	3.3	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dibromoethane (EDB)	0.00014	0.034	0.17	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dichlorobenzene	0.58	1,900	9,800	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,3-Dichlorobenzene	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,4-Dichlorobenzene	0.072	2.4	12	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Dichlorodifluoromethane	0.021	0.68	3.3	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1-Dichloroethane	NSL	3.3	17	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dichloroethane	0.0014	0.43	2.2	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1-Dichloroethene	0.0025	240	1,100	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
cis-1,2-Dichloroethene	0.021	160	2,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
trans-1,2-Dichloroethene	0.029	150	690	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2-Dichloropropane	0.0017	0.94	4.7	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
cis-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
trans-1,3-Dichloropropene	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Ethylbenzene	0.78	5.4	27	1.15	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
2-Hexanone	NSL	210	1400	NSL	0.011 U	0.0099 U	0.011 U	0.013 U	0.0083 U	0.010 U	0.010 U	0.0096 U	0.012 U	0.011 U	NA
Isopropylbenzene	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Methyl acetate	NSL	78,000	1,000,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.005 U	0.0048 U	0.0061 U	0.0057 U	NA
Methyl tertiary butyl ether (MTBE)	NSL	43	220	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.005 U	0.0048 U	0.0061 U	0.0057 U	NA
4-Methyl-2-pentanone	NSL	5,300	53,000	NSL	0.011 U	0.0099 U	0.011 U	0.013 U	0.0083 U	0.010 U	0.010 U	0.0096 U	0.012 U	0.011 U	NA
Methylcyclohexane	NSL	NSL	NSL	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Methylene chloride	0.0013	56	960	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Styrene	0.11	6,300	36,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1,2,2-Tetrachloroethane	NSL	0.56	2.8	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Tetrachloroethene	0.0023	22	110	NSL	0.0012 J*	0.0011 J*	0.0012 J*	0.0018 J*	0.00069 J*	0.00067 J*	0.00098 J*	**0.0049**	0.0010 J*	0.0057 U	NA
Toluene	0.69	5,000	45,000	1.45	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	NSL	43,000	180,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,2,4-Trichlorobenzene	0.07	22	99	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1,1-Trichloroethane	0.07	8,700	38,000	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
1,1,2-Trichloroethane	0.0011	1.1	5.3	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Trichloroethene	0.0018	0.91	6.4	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Trichlorofluoromethane	NSL	790	3,400	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Vinyl chloride	0.00069	0.06	1.7	NSL	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA
Xylenes (total)	9.8	630	2,700	14.5	0.0056 U	0.0049 U	0.0054 U	0.0063 U	0.0042 U	0.0052 U	0.0050 U	0.0048 U	0.0061 U	0.0057 U	NA

Notes:
Values in bold font indicate that the result reported exceeds the most stringent screening criteria.
DUP - field duplicate
E - result over calibration range
EPA - United States Environmental Protection Agency
feet bgs - feet below ground surface
J - estimated value
J* - laboratory assigned J-flag indicating a result greater than the method detection limit and less than the reporting limit
mg/kg - milligram per kilogram
NA - not analyzed or not applicable
NSL - no screening level listed
RBSL - Risk-Based Screening Levels based on South Carolina Department of Health and Environmental Control (SCDHEC) Risk Based Corrective Action (RBCA), 2001
RSL - US EPA Region IV Screening Level, 2012
SCDHEC - South Carolina Department of Health and Environmental Control
SSL - Soil Screening Level - MCL - based for Protection of Groundwater
U - Compound was analyzed for but not detected above the reporting limit shown.
UJ - Compound was analyzed for but not detected above the reporting limit shown. Reporting limit is an estimated value.
VOC - volatile organic compound

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

AECOM
10 Patewood Drive
Building 6, Suite 500
Greenville, SC 29615
Attention: Aaron Council

Project Name: **Itron - Greenwood**

Project Number: **60429584.04000**

Lot Number: **QG30034**

Date Completed: **08/10/2015**

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative

AECOM

Lot Number: QG30034

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

SVOCs by GC/MS

Due to a large detection of Naphthalene, sample -003 has been analyzed at a 200X dilution. This large dilution has caused both surrogates to recover outside of method criteria. In addition, the large dilution has impacted the associated MS/MSD recoveries. No corrective action is necessary as it is known that dilutions of 5X and greater may impact surrogate recoveries.

VOCs by GC/MS

The MS/MSD associated with batch 81363 recovered Tetrachloroethene marginally outside of method criteria. All other associated QC recovered within limits illustrating that matrix interferences impacted the spike recovery.

Sample Summary

AECOM

Lot Number: QG30034

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-1	Aqueous	07/28/2015 1038	07/30/2015
002	MW-2	Aqueous	07/28/2015 1058	07/30/2015
003	MW-3	Aqueous	07/29/2015 0855	07/30/2015
004	MW-4	Aqueous	07/29/2015 1100	07/30/2015
005	MW-5	Aqueous	07/29/2015 1401	07/30/2015
006	MW-5D	Aqueous	07/28/2015 1358	07/30/2015
007	MW-6	Aqueous	07/29/2015 1030	07/30/2015
008	TRIP BLANK 1	Aqueous	07/28/2015	07/30/2015
009	DUP-1	Aqueous	07/29/2015 1140	07/30/2015
010	EB-1	Aqueous	07/29/2015 0810	07/30/2015
011	MW-7	Aqueous	07/29/2015 1115	07/30/2015
012	MW-8	Aqueous	07/29/2015 1200	07/30/2015
013	MW-9	Aqueous	07/28/2015 1145	07/30/2015
014	MW-9D	Aqueous	07/28/2015 1145	07/30/2015
015	MW-10R	Aqueous	07/28/2015 0925	07/30/2015
016	MW-10I	Aqueous	07/28/2015 0938	07/30/2015
017	MW-10D	Aqueous	07/28/2015 0925	07/30/2015
018	MW-11	Aqueous	07/29/2015 0940	07/30/2015
019	MW-12	Aqueous	07/29/2015 1020	07/30/2015
020	MW-13	Aqueous	07/28/2015 1357	07/30/2015
021	MW-14	Aqueous	07/28/2015 1140	07/30/2015
022	MW-15R	Aqueous	07/28/2015 1509	07/30/2015
023	MW-16	Aqueous	07/28/2015 1635	07/30/2015
024	MW-16D	Aqueous	07/28/2015 1650	07/30/2015
025	MW-17	Aqueous	07/28/2015 1640	07/30/2015
026	TRIP BLANK 2	Aqueous	07/28/2015	07/30/2015
027	MW-18	Aqueous	07/28/2015 1043	07/30/2015
028	MW-19	Aqueous	07/28/2015 1500	07/30/2015
029	MW-20	Aqueous	07/28/2015 1400	07/30/2015
030	MW-21	Aqueous	07/29/2015 0905	07/30/2015
031	MW-22D	Aqueous	07/28/2015 1508	07/30/2015
032	DUP-2	Aqueous	07/29/2015 0940	07/30/2015
033	EB-2	Aqueous	07/29/2015 1040	07/30/2015

(33 samples)

Executive Summary

AECOM

Lot Number: QG30034

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-1	Aqueous	Tetrachloroethene	8260B	7.7		ug/L	6
001	MW-1	Aqueous	Toluene	8260B	0.27	J	ug/L	6
002	MW-2	Aqueous	Benzene	8260B	0.54	J	ug/L	8
002	MW-2	Aqueous	Isopropylbenzene	8260B	0.52	J	ug/L	8
002	MW-2	Aqueous	Tetrachloroethene	8260B	1.1	J	ug/L	8
002	MW-2	Aqueous	Toluene	8260B	0.47	J	ug/L	8
002	MW-2	Aqueous	Xylenes (total)	8260B	3.4	J	ug/L	9
003	MW-3	Aqueous	Acetone	8260B	10	J	ug/L	10
003	MW-3	Aqueous	Benzene	8260B	10	J	ug/L	10
003	MW-3	Aqueous	cis-1,2-Dichloroethene	8260B	280		ug/L	10
003	MW-3	Aqueous	Ethylbenzene	8260B	6.9	J	ug/L	10
003	MW-3	Aqueous	2-Hexanone	8260B	4.6	J	ug/L	10
003	MW-3	Aqueous	Isopropylbenzene	8260B	17	J	ug/L	10
003	MW-3	Aqueous	4-Methyl-2-pentanone	8260B	2.6	J	ug/L	10
003	MW-3	Aqueous	Methylcyclohexane	8260B	4.5	J	ug/L	10
003	MW-3	Aqueous	Styrene	8260B	0.81	J	ug/L	10
003	MW-3	Aqueous	Tetrachloroethene	8260B	13	J	ug/L	10
003	MW-3	Aqueous	Toluene	8260B	2.9	J	ug/L	10
003	MW-3	Aqueous	Trichloroethene	8260B	0.81	J	ug/L	11
003	MW-3	Aqueous	Xylenes (total)	8260B	56		ug/L	11
003	MW-3	Aqueous	Naphthalene	8270D (SIM)	190		ug/L	11
004	MW-4	Aqueous	cis-1,2-Dichloroethene	8260B	0.23	J	ug/L	13
004	MW-4	Aqueous	Tetrachloroethene	8260B	3.0	J	ug/L	13
005	MW-5	Aqueous	cis-1,2-Dichloroethene	8260B	15	J	ug/L	15
005	MW-5	Aqueous	Tetrachloroethene	8260B	4000		ug/L	15
005	MW-5	Aqueous	Trichloroethene	8260B	10	J	ug/L	16
006	MW-5D	Aqueous	Acetone	8260B	7.6	J	ug/L	17
006	MW-5D	Aqueous	Benzene	8260B	0.27	J	ug/L	17
006	MW-5D	Aqueous	cis-1,2-Dichloroethene	8260B	130		ug/L	17
006	MW-5D	Aqueous	Methylene chloride	8260B	0.60	J	ug/L	17
006	MW-5D	Aqueous	Tetrachloroethene	8260B	0.96	J	ug/L	17
006	MW-5D	Aqueous	Toluene	8260B	0.55	J	ug/L	17
006	MW-5D	Aqueous	Trichloroethene	8260B	0.22	J	ug/L	18
007	MW-6	Aqueous	Tetrachloroethene	8260B	9600		ug/L	19
009	DUP-1	Aqueous	1,1-Dichloroethane	8260B	0.60	J	ug/L	23
009	DUP-1	Aqueous	cis-1,2-Dichloroethene	8260B	0.27	J	ug/L	23
009	DUP-1	Aqueous	Tetrachloroethene	8260B	180		ug/L	23
009	DUP-1	Aqueous	Trichloroethene	8260B	0.83	J	ug/L	24
011	MW-7	Aqueous	Tetrachloroethene	8260B	100000		ug/L	27
012	MW-8	Aqueous	Tetrachloroethene	8260B	20000		ug/L	29
013	MW-9	Aqueous	Tetrachloroethene	8260B	1.8	J	ug/L	31
013	MW-9	Aqueous	Toluene	8260B	0.39	J	ug/L	31
014	MW-9D	Aqueous	Acetone	8260B	2.7	J	ug/L	33
014	MW-9D	Aqueous	Carbon disulfide	8260B	1.7	J	ug/L	33
014	MW-9D	Aqueous	Tetrachloroethene	8260B	0.73	J	ug/L	33

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
014	MW-9D	Aqueous	Toluene	8260B	0.31	J	ug/L	33
015	MW-10R	Aqueous	Chloroform	8260B	5.8	J	ug/L	35
015	MW-10R	Aqueous	Tetrachloroethene	8260B	2900		ug/L	35
015	MW-10R	Aqueous	Trichloroethene	8260B	5.1	J	ug/L	36
016	MW-10I	Aqueous	Tetrachloroethene	8260B	15000		ug/L	37
017	MW-10D	Aqueous	Chloroform	8260B	0.48	J	ug/L	39
017	MW-10D	Aqueous	Tetrachloroethene	8260B	2.2	J	ug/L	39
017	MW-10D	Aqueous	Toluene	8260B	0.52	J	ug/L	39
018	MW-11	Aqueous	Tetrachloroethene	8260B	2.8	J	ug/L	41
018	MW-11	Aqueous	Toluene	8260B	0.30	J	ug/L	41
019	MW-12	Aqueous	Tetrachloroethene	8260B	4800		ug/L	43
021	MW-14	Aqueous	Tetrachloroethene	8260B	150		ug/L	47
022	MW-15R	Aqueous	Acetone	8260B	4.7	J	ug/L	49
022	MW-15R	Aqueous	Bromodichloromethane	8260B	2.9	J	ug/L	49
022	MW-15R	Aqueous	Bromoform	8260B	1.1	J	ug/L	49
022	MW-15R	Aqueous	Chloroform	8260B	5.5		ug/L	49
022	MW-15R	Aqueous	Dibromochloromethane	8260B	1.8	J	ug/L	49
022	MW-15R	Aqueous	4-Methyl-2-pentanone	8260B	0.84	J	ug/L	49
022	MW-15R	Aqueous	Toluene	8260B	0.27	J	ug/L	49
023	MW-16	Aqueous	Tetrachloroethene	8260B	110		ug/L	51
024	MW-16D	Aqueous	Tetrachloroethene	8260B	30		ug/L	53
024	MW-16D	Aqueous	Toluene	8260B	0.30	J	ug/L	53
025	MW-17	Aqueous	Tetrachloroethene	8260B	690		ug/L	55
025	MW-17	Aqueous	Trichloroethene	8260B	8.3	J	ug/L	56
027	MW-18	Aqueous	Tetrachloroethene	8260B	0.90	J	ug/L	59
028	MW-19	Aqueous	Bromodichloromethane	8260B	0.27	J	ug/L	61
028	MW-19	Aqueous	Chloroform	8260B	0.77	J	ug/L	61
028	MW-19	Aqueous	Tetrachloroethene	8260B	1.2	J	ug/L	61
029	MW-20	Aqueous	Chloroform	8260B	2.9	J	ug/L	63
029	MW-20	Aqueous	cis-1,2-Dichloroethene	8260B	3.8	J	ug/L	63
029	MW-20	Aqueous	Tetrachloroethene	8260B	360		ug/L	63
029	MW-20	Aqueous	Trichloroethene	8260B	4.3	J	ug/L	64
030	MW-21	Aqueous	Tetrachloroethene	8260B	1.7	J	ug/L	65
030	MW-21	Aqueous	Toluene	8260B	0.25	J	ug/L	65
031	MW-22D	Aqueous	Acetone	8260B	2.9	J	ug/L	67
031	MW-22D	Aqueous	Bromodichloromethane	8260B	0.31	J	ug/L	67
031	MW-22D	Aqueous	Chloroform	8260B	1.3	J	ug/L	67
031	MW-22D	Aqueous	Toluene	8260B	0.34	J	ug/L	67
032	DUP-2	Aqueous	Tetrachloroethene	8260B	2.5	J	ug/L	69
032	DUP-2	Aqueous	Toluene	8260B	0.29	J	ug/L	69

(85 detections)

Client: AECOM
Description: MW-1
Date Sampled: 07/28/2015 1038
Date Received: 07/30/2015

Laboratory ID: QG30034-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1132	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	7.7		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.27	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-1
Date Sampled: 07/28/2015 1038
Date Received: 07/30/2015

Laboratory ID: QG30034-001
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1132	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-2
Date Sampled: 07/28/2015 1058
Date Received: 07/30/2015

Laboratory ID: QG30034-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1156	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	0.54	J	5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	0.52	J	5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.1	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.47	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-2
Date Sampled: 07/28/2015 1058
Date Received: 07/30/2015

Laboratory ID: QG30034-002
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1156	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	3.4	J	5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-3
Date Sampled: 07/29/2015 0855
Date Received: 07/30/2015

Laboratory ID: QG30034-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/04/2015 1722	SES		81416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	10	J	100	8.1	ug/L	1
Benzene	71-43-2	8260B	10	J	25	1.1	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	1.2	ug/L	1
Bromoform	75-25-2	8260B	ND		25	1.8	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	0.95	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.1	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	2.3	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	1.6	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	1.4	ug/L	1
Chloroform	67-66-3	8260B	ND		25	1.1	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	0.95	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	1.5	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	2.8	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	1.2	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	0.85	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	2.3	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	0.95	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	0.95	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	4.3	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	0.95	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.2	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	1.6	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	280		25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	1.7	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.1	ug/L	1
Ethylbenzene	100-41-4	8260B	6.9	J	25	1.1	ug/L	1
2-Hexanone	591-78-6	8260B	4.6	J	50	1.3	ug/L	1
Isopropylbenzene	98-82-8	8260B	17	J	25	0.70	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	1.2	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	2.6	J	50	1.5	ug/L	1
Methylcyclohexane	108-87-2	8260B	4.5	J	25	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	2.1	ug/L	1
Styrene	100-42-5	8260B	0.81	J	25	0.65	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	0.65	ug/L	1
Tetrachloroethene	127-18-4	8260B	13	J	25	1.1	ug/L	1
Toluene	108-88-3	8260B	2.9	J	25	1.2	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-3
Date Sampled: 07/29/2015 0855
Date Received: 07/30/2015

Laboratory ID: QG30034-003
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/04/2015 1722	SES		81416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	0.65	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.2	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.1	ug/L	1
Trichloroethene	79-01-6	8260B	0.81	J	25	0.80	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	3.7	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	2.5	ug/L	1
Xylenes (total)	1330-20-7	8260B	56		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

Semivolatile Organic Compounds by GC/MS (SIM)

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	200	08/08/2015 1839	RBH	08/04/2015 1350	81425

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acenaphthene	83-32-9	8270D (SIM)	ND		40	4.2	ug/L	1
Acenaphthylene	208-96-8	8270D (SIM)	ND		40	4.8	ug/L	1
Anthracene	120-12-7	8270D (SIM)	ND		40	3.2	ug/L	1
Benzo(a)anthracene	56-55-3	8270D (SIM)	ND		40	3.8	ug/L	1
Benzo(a)pyrene	50-32-8	8270D (SIM)	ND		40	4.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D (SIM)	ND		40	3.8	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270D (SIM)	ND		40	12	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D (SIM)	ND		40	4.8	ug/L	1
Chrysene	218-01-9	8270D (SIM)	ND		40	4.2	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D (SIM)	ND		40	8.0	ug/L	1
Fluoranthene	206-44-0	8270D (SIM)	ND		40	3.6	ug/L	1
Fluorene	86-73-7	8270D (SIM)	ND		40	4.4	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270D (SIM)	ND		40	10	ug/L	1
Naphthalene	91-20-3	8270D (SIM)	190		40	6.0	ug/L	1
Phenanthrene	85-01-8	8270D (SIM)	ND		40	4.6	ug/L	1
Pyrene	129-00-0	8270D (SIM)	ND		40	3.4	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-3
Date Sampled: 07/29/2015 0855
Date Received: 07/30/2015

Laboratory ID: QG30034-003
Matrix: Aqueous

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Fluoranthene-d10	N	0.00	23-154
2-Methylnaphthalene-d10	N	1360	15-139

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-4
Date Sampled: 07/29/2015 1100
Date Received: 07/30/2015

Laboratory ID: QG30034-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1220	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.23	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	3.0	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-4
Date Sampled: 07/29/2015 1100
Date Received: 07/30/2015

Laboratory ID: QG30034-004
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1220	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-5
Date Sampled: 07/29/2015 1401
Date Received: 07/30/2015

Laboratory ID: QG30034-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/04/2015 0411	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	81	ug/L	1
Benzene	71-43-2	8260B	ND		250	11	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		250	12	ug/L	1
Bromoform	75-25-2	8260B	ND		250	18	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		250	9.5	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		500	91	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		250	23	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		250	16	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		250	10	ug/L	1
Chloroethane	75-00-3	8260B	ND		250	14	ug/L	1
Chloroform	67-66-3	8260B	ND		250	11	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		250	9.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		250	15	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		250	28	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		250	12	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		250	8.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		250	23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		250	9.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		250	9.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		250	43	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		250	9.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		250	16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	15	J	250	10	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		250	17	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		250	14	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		250	15	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		250	11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		250	11	ug/L	1
2-Hexanone	591-78-6	8260B	ND		500	13	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		250	7.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		250	12	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	12	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		500	14	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		250	8.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		250	21	ug/L	1
Styrene	100-42-5	8260B	ND		250	6.5	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		250	6.5	ug/L	1
Tetrachloroethene	127-18-4	8260B	4000		250	11	ug/L	1
Toluene	108-88-3	8260B	ND		250	12	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-5
Date Sampled: 07/29/2015 1401
Date Received: 07/30/2015

Laboratory ID: QG30034-005
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/04/2015 0411	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		250	15	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		250	6.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		250	12	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		250	11	ug/L	1
Trichloroethene	79-01-6	8260B	10	J	250	8.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		250	37	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		100	25	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		250	85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-5D
Date Sampled: 07/28/2015 1358
Date Received: 07/30/2015

Laboratory ID: QG30034-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1244	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	7.6	J	20	1.6	ug/L	1
Benzene	71-43-2	8260B	0.27	J	5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	130		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	0.60	J	5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.96	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.55	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-5D
Date Sampled: 07/28/2015 1358
Date Received: 07/30/2015

Laboratory ID: QG30034-006
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1244	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	0.22	J	5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-6
Date Sampled: 07/29/2015 1030
Date Received: 07/30/2015

Laboratory ID: QG30034-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/03/2015 1555	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		4000	320	ug/L	1
Benzene	71-43-2	8260B	ND		1000	42	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1000	46	ug/L	1
Bromoform	75-25-2	8260B	ND		1000	70	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1000	38	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		2000	360	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1000	90	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1000	62	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1000	40	ug/L	1
Chloroethane	75-00-3	8260B	ND		1000	56	ug/L	1
Chloroform	67-66-3	8260B	ND		1000	42	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1000	38	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1000	60	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1000	110	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1000	46	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1000	34	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1000	92	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1000	38	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1000	38	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1000	170	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1000	38	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	46	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1000	62	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1000	40	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1000	66	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1000	58	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1000	60	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1000	44	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1000	42	ug/L	1
2-Hexanone	591-78-6	8260B	ND		2000	52	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1000	28	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1000	48	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	46	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		2000	58	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		1000	32	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1000	84	ug/L	1
Styrene	100-42-5	8260B	ND		1000	26	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1000	26	ug/L	1
Tetrachloroethene	127-18-4	8260B	9600		1000	44	ug/L	1
Toluene	108-88-3	8260B	ND		1000	48	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-6
Date Sampled: 07/29/2015 1030
Date Received: 07/30/2015

Laboratory ID: QG30034-007
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/03/2015 1555	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1000	60	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1000	26	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1000	48	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1000	44	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1000	32	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1000	150	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		400	100	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1000	340	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: TRIP BLANK 1
Date Sampled: 07/28/2015
Date Received: 07/30/2015

Laboratory ID: QG30034-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1044	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: TRIP BLANK 1
Date Sampled: 07/28/2015
Date Received: 07/30/2015

Laboratory ID: QG30034-008
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1044	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: DUP-1
Date Sampled: 07/29/2015 1140
Date Received: 07/30/2015

Laboratory ID: QG30034-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 2302	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	0.60	J	5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	0.27	J	5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	180		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: DUP-1
Date Sampled: 07/29/2015 1140
Date Received: 07/30/2015

Laboratory ID: QG30034-009
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 2302	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	0.83	J	5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: EB-1
Date Sampled: 07/29/2015 0810
Date Received: 07/30/2015

Laboratory ID: QG30034-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1108	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: EB-1
Date Sampled: 07/29/2015 0810
Date Received: 07/30/2015

Laboratory ID: QG30034-010
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1108	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-7
Date Sampled: 07/29/2015 1115
Date Received: 07/30/2015

Laboratory ID: QG30034-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2000	08/03/2015 1507	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		40000	3200	ug/L	1
Benzene	71-43-2	8260B	ND		10000	420	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		10000	460	ug/L	1
Bromoform	75-25-2	8260B	ND		10000	700	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		10000	380	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		20000	3600	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		10000	900	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		10000	620	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		10000	400	ug/L	1
Chloroethane	75-00-3	8260B	ND		10000	560	ug/L	1
Chloroform	67-66-3	8260B	ND		10000	420	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		10000	380	ug/L	1
Cyclohexane	110-82-7	8260B	ND		10000	600	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		10000	1100	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		10000	460	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		10000	340	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		10000	920	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		10000	380	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		10000	380	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		10000	1700	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		10000	380	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		10000	460	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		10000	620	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		10000	400	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		10000	660	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		10000	580	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		10000	600	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		10000	440	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		10000	420	ug/L	1
2-Hexanone	591-78-6	8260B	ND		20000	520	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		10000	280	ug/L	1
Methyl acetate	79-20-9	8260B	ND		10000	480	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		10000	460	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		20000	580	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		10000	320	ug/L	1
Methylene chloride	75-09-2	8260B	ND		10000	840	ug/L	1
Styrene	100-42-5	8260B	ND		10000	260	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		10000	260	ug/L	1
Tetrachloroethene	127-18-4	8260B	100000		10000	440	ug/L	1
Toluene	108-88-3	8260B	ND		10000	480	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-7
Date Sampled: 07/29/2015 1115
Date Received: 07/30/2015

Laboratory ID: QG30034-011
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	2000	08/03/2015 1507	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		10000	600	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		10000	260	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		10000	480	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		10000	440	ug/L	1
Trichloroethene	79-01-6	8260B	ND		10000	320	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		10000	1500	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		4000	1000	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		10000	3400	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-8
Date Sampled: 07/29/2015 1200
Date Received: 07/30/2015

Laboratory ID: QG30034-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	08/03/2015 1532	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10000	810	ug/L	1
Benzene	71-43-2	8260B	ND		2500	110	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		2500	120	ug/L	1
Bromoform	75-25-2	8260B	ND		2500	180	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2500	95	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		5000	910	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		2500	230	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		2500	160	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		2500	100	ug/L	1
Chloroethane	75-00-3	8260B	ND		2500	140	ug/L	1
Chloroform	67-66-3	8260B	ND		2500	110	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		2500	95	ug/L	1
Cyclohexane	110-82-7	8260B	ND		2500	150	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		2500	290	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		2500	120	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		2500	85	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		2500	230	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		2500	95	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		2500	95	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2500	430	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		2500	95	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		2500	120	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		2500	160	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		2500	100	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		2500	170	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		2500	150	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		2500	150	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		2500	110	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		2500	110	ug/L	1
2-Hexanone	591-78-6	8260B	ND		5000	130	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		2500	70	ug/L	1
Methyl acetate	79-20-9	8260B	ND		2500	120	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		2500	120	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		5000	150	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		2500	80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		2500	210	ug/L	1
Styrene	100-42-5	8260B	ND		2500	65	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		2500	65	ug/L	1
Tetrachloroethene	127-18-4	8260B	20000		2500	110	ug/L	1
Toluene	108-88-3	8260B	ND		2500	120	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-8
Date Sampled: 07/29/2015 1200
Date Received: 07/30/2015

Laboratory ID: QG30034-012
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	500	08/03/2015 1532	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		2500	150	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		2500	65	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		2500	120	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		2500	110	ug/L	1
Trichloroethene	79-01-6	8260B	ND		2500	80	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		2500	370	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		1000	250	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		2500	850	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-9
Date Sampled: 07/28/2015 1145
Date Received: 07/30/2015

Laboratory ID: QG30034-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1307	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.8	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.39	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-9
Date Sampled: 07/28/2015 1145
Date Received: 07/30/2015

Laboratory ID: QG30034-013
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1307	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-9D
Date Sampled: 07/28/2015 1145
Date Received: 07/30/2015

Laboratory ID: QG30034-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1332	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.7	J	20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	1.7	J	5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.73	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.31	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-9D
Date Sampled: 07/28/2015 1145
Date Received: 07/30/2015

Laboratory ID: QG30034-014
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1332	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-10R
Date Sampled: 07/28/2015 0925
Date Received: 07/30/2015

Laboratory ID: QG30034-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	08/04/2015 0458	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		400	32	ug/L	1
Benzene	71-43-2	8260B	ND		100	4.2	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		100	4.6	ug/L	1
Bromoform	75-25-2	8260B	ND		100	7.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		100	3.8	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		200	36	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		100	9.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		100	6.2	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		100	4.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		100	5.6	ug/L	1
Chloroform	67-66-3	8260B	5.8	J	100	4.2	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		100	3.8	ug/L	1
Cyclohexane	110-82-7	8260B	ND		100	6.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		100	11	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		100	4.6	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		100	3.4	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		100	9.2	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		100	3.8	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		100	3.8	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		100	17	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		100	3.8	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		100	4.6	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		100	6.2	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		100	4.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		100	6.6	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		100	5.8	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		100	6.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		100	4.4	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		100	4.2	ug/L	1
2-Hexanone	591-78-6	8260B	ND		200	5.2	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		100	2.8	ug/L	1
Methyl acetate	79-20-9	8260B	ND		100	4.8	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		100	4.6	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		200	5.8	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		100	3.2	ug/L	1
Methylene chloride	75-09-2	8260B	ND		100	8.4	ug/L	1
Styrene	100-42-5	8260B	ND		100	2.6	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		100	2.6	ug/L	1
Tetrachloroethene	127-18-4	8260B	2900		100	4.4	ug/L	1
Toluene	108-88-3	8260B	ND		100	4.8	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-10R
Date Sampled: 07/28/2015 0925
Date Received: 07/30/2015

Laboratory ID: QG30034-015
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	20	08/04/2015 0458	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		100	6.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		100	2.6	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		100	4.8	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		100	4.4	ug/L	1
Trichloroethene	79-01-6	8260B	5.1	J	100	3.2	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		100	15	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		40	10	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		100	34	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-10I
Date Sampled: 07/28/2015 0938
Date Received: 07/30/2015

Laboratory ID: QG30034-016
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/03/2015 1619	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		4000	320	ug/L	1
Benzene	71-43-2	8260B	ND		1000	42	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1000	46	ug/L	1
Bromoform	75-25-2	8260B	ND		1000	70	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		1000	38	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		2000	360	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1000	90	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1000	62	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1000	40	ug/L	1
Chloroethane	75-00-3	8260B	ND		1000	56	ug/L	1
Chloroform	67-66-3	8260B	ND		1000	42	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1000	38	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1000	60	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1000	110	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1000	46	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1000	34	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1000	92	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1000	38	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1000	38	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		1000	170	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1000	38	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1000	46	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1000	62	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1000	40	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1000	66	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1000	58	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1000	60	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1000	44	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1000	42	ug/L	1
2-Hexanone	591-78-6	8260B	ND		2000	52	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1000	28	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1000	48	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1000	46	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		2000	58	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		1000	32	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1000	84	ug/L	1
Styrene	100-42-5	8260B	ND		1000	26	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1000	26	ug/L	1
Tetrachloroethene	127-18-4	8260B	15000		1000	44	ug/L	1
Toluene	108-88-3	8260B	ND		1000	48	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-10I
Date Sampled: 07/28/2015 0938
Date Received: 07/30/2015

Laboratory ID: QG30034-016
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	200	08/03/2015 1619	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1000	60	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1000	26	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1000	48	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1000	44	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1000	32	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1000	150	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		400	100	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1000	340	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-10D
Date Sampled: 07/28/2015 0925
Date Received: 07/30/2015

Laboratory ID: QG30034-017
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1357	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	0.48	J	5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	2.2	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.52	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-10D
Date Sampled: 07/28/2015 0925
Date Received: 07/30/2015

Laboratory ID: QG30034-017
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1357	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-11
Date Sampled: 07/29/2015 0940
Date Received: 07/30/2015

Laboratory ID: QG30034-018
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1420	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	2.8	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.30	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-11
Date Sampled: 07/29/2015 0940
Date Received: 07/30/2015

Laboratory ID: QG30034-018
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 1420	SES		81323

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-12
Date Sampled: 07/29/2015 1020
Date Received: 07/30/2015

Laboratory ID: QG30034-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/04/2015 0435	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		1000	81	ug/L	1
Benzene	71-43-2	8260B	ND		250	11	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		250	12	ug/L	1
Bromoform	75-25-2	8260B	ND		250	18	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		250	9.5	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		500	91	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		250	23	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		250	16	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		250	10	ug/L	1
Chloroethane	75-00-3	8260B	ND		250	14	ug/L	1
Chloroform	67-66-3	8260B	ND		250	11	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		250	9.5	ug/L	1
Cyclohexane	110-82-7	8260B	ND		250	15	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		250	28	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		250	12	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		250	8.5	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		250	23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		250	9.5	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		250	9.5	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		250	43	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		250	9.5	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		250	12	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		250	16	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		250	10	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		250	17	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		250	14	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		250	15	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		250	11	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		250	11	ug/L	1
2-Hexanone	591-78-6	8260B	ND		500	13	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		250	7.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		250	12	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		250	12	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		500	14	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		250	8.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		250	21	ug/L	1
Styrene	100-42-5	8260B	ND		250	6.5	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		250	6.5	ug/L	1
Tetrachloroethene	127-18-4	8260B	4800		250	11	ug/L	1
Toluene	108-88-3	8260B	ND		250	12	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-12
Date Sampled: 07/29/2015 1020
Date Received: 07/30/2015

Laboratory ID: QG30034-019
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	50	08/04/2015 0435	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		250	15	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		250	6.5	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		250	12	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		250	11	ug/L	1
Trichloroethene	79-01-6	8260B	ND		250	8.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		250	37	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		100	25	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		250	85	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-13
Date Sampled: 07/28/2015 1357
Date Received: 07/30/2015

Laboratory ID: QG30034-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 2325	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-13
Date Sampled: 07/28/2015 1357
Date Received: 07/30/2015

Laboratory ID: QG30034-020
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 2325	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-14
Date Sampled: 07/28/2015 1140
Date Received: 07/30/2015

Laboratory ID: QG30034-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/04/2015 0522	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	8.1	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.1	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	1.2	ug/L	1
Bromoform	75-25-2	8260B	ND		25	1.8	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	0.95	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.1	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	2.3	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	1.6	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	1.4	ug/L	1
Chloroform	67-66-3	8260B	ND		25	1.1	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	0.95	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	1.5	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	2.8	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	1.2	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	0.85	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	2.3	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	0.95	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	0.95	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	4.3	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	0.95	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.2	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	1.6	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	1.7	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.1	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	1.1	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	1.3	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	0.70	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	1.2	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	1.5	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	2.1	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.65	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	0.65	ug/L	1
Tetrachloroethene	127-18-4	8260B	150		25	1.1	ug/L	1
Toluene	108-88-3	8260B	ND		25	1.2	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-14
Date Sampled: 07/28/2015 1140
Date Received: 07/30/2015

Laboratory ID: QG30034-021
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/04/2015 0522	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	0.65	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.2	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.1	ug/L	1
Trichloroethene	79-01-6	8260B	ND		25	0.80	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	3.7	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	2.5	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-15R
Date Sampled: 07/28/2015 1509
Date Received: 07/30/2015

Laboratory ID: QG30034-022
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 2349	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	4.7	J	20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	2.9	J	5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	1.1	J	5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	5.5		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	1.8	J	5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	0.84	J	10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.27	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-15R
Date Sampled: 07/28/2015 1509
Date Received: 07/30/2015

Laboratory ID: QG30034-022
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 2349	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-16
Date Sampled: 07/28/2015 1635
Date Received: 07/30/2015

Laboratory ID: QG30034-023
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0013	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	110		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-16
Date Sampled: 07/28/2015 1635
Date Received: 07/30/2015

Laboratory ID: QG30034-023
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0013	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-16D
Date Sampled: 07/28/2015 1650
Date Received: 07/30/2015

Laboratory ID: QG30034-024
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0036	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	30		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.30	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-16D
Date Sampled: 07/28/2015 1650
Date Received: 07/30/2015

Laboratory ID: QG30034-024
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0036	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-17
Date Sampled: 07/28/2015 1640
Date Received: 07/30/2015

Laboratory ID: QG30034-025
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/04/2015 0546	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	8.1	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.1	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	1.2	ug/L	1
Bromoform	75-25-2	8260B	ND		25	1.8	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	0.95	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.1	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	2.3	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	1.6	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	1.4	ug/L	1
Chloroform	67-66-3	8260B	ND		25	1.1	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	0.95	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	1.5	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	2.8	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	1.2	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	0.85	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	2.3	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	0.95	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	0.95	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	4.3	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	0.95	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.2	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	1.6	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	1.7	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.1	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	1.1	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	1.3	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	0.70	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	1.2	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	1.5	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	2.1	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.65	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	0.65	ug/L	1
Tetrachloroethene	127-18-4	8260B	690		25	1.1	ug/L	1
Toluene	108-88-3	8260B	ND		25	1.2	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-17
Date Sampled: 07/28/2015 1640
Date Received: 07/30/2015

Laboratory ID: QG30034-025
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/04/2015 0546	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	0.65	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.2	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.1	ug/L	1
Trichloroethene	79-01-6	8260B	8.3	J	25	0.80	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	3.7	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	2.5	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: TRIP BLANK 2
Date Sampled: 07/28/2015
Date Received: 07/30/2015

Laboratory ID: QG30034-026
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 2238	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: TRIP BLANK 2
Date Sampled: 07/28/2015
Date Received: 07/30/2015

Laboratory ID: QG30034-026
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/03/2015 2238	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-18
Date Sampled: 07/28/2015 1043
Date Received: 07/30/2015

Laboratory ID: QG30034-027
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0100	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	0.90	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-18
Date Sampled: 07/28/2015 1043
Date Received: 07/30/2015

Laboratory ID: QG30034-027
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0100	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-19
Date Sampled: 07/28/2015 1500
Date Received: 07/30/2015

Laboratory ID: QG30034-028
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0123	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	0.27	J	5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	0.77	J	5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.2	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-19
Date Sampled: 07/28/2015 1500
Date Received: 07/30/2015

Laboratory ID: QG30034-028
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0123	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-20
Date Sampled: 07/28/2015 1400
Date Received: 07/30/2015

Laboratory ID: QG30034-029
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/04/2015 0610	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		100	8.1	ug/L	1
Benzene	71-43-2	8260B	ND		25	1.1	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		25	1.2	ug/L	1
Bromoform	75-25-2	8260B	ND		25	1.8	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		25	0.95	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		50	9.1	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		25	2.3	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		25	1.6	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		25	1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		25	1.4	ug/L	1
Chloroform	67-66-3	8260B	2.9	J	25	1.1	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		25	0.95	ug/L	1
Cyclohexane	110-82-7	8260B	ND		25	1.5	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		25	2.8	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		25	1.2	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		25	0.85	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		25	2.3	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		25	0.95	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		25	0.95	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		25	4.3	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		25	0.95	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		25	1.2	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		25	1.6	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	3.8	J	25	1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		25	1.7	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		25	1.5	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		25	1.5	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		25	1.1	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		25	1.1	ug/L	1
2-Hexanone	591-78-6	8260B	ND		50	1.3	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		25	0.70	ug/L	1
Methyl acetate	79-20-9	8260B	ND		25	1.2	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		25	1.2	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		50	1.5	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		25	0.80	ug/L	1
Methylene chloride	75-09-2	8260B	ND		25	2.1	ug/L	1
Styrene	100-42-5	8260B	ND		25	0.65	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		25	0.65	ug/L	1
Tetrachloroethene	127-18-4	8260B	360		25	1.1	ug/L	1
Toluene	108-88-3	8260B	ND		25	1.2	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-20
Date Sampled: 07/28/2015 1400
Date Received: 07/30/2015

Laboratory ID: QG30034-029
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	5	08/04/2015 0610	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		25	1.5	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		25	0.65	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		25	1.2	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		25	1.1	ug/L	1
Trichloroethene	79-01-6	8260B	4.3	J	25	0.80	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		25	3.7	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		10	2.5	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		25	8.5	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-21
Date Sampled: 07/29/2015 0905
Date Received: 07/30/2015

Laboratory ID: QG30034-030
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 1038	SES		81416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	1.7	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.25	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-21
Date Sampled: 07/29/2015 0905
Date Received: 07/30/2015

Laboratory ID: QG30034-030
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 1038	SES		81416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-22D
Date Sampled: 07/28/2015 1508
Date Received: 07/30/2015

Laboratory ID: QG30034-031
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0147	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	2.9	J	20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	0.31	J	5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	1.3	J	5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.34	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-22D
Date Sampled: 07/28/2015 1508
Date Received: 07/30/2015

Laboratory ID: QG30034-031
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 0147	JJG		81363

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		89	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: DUP-2
Date Sampled: 07/29/2015 0940
Date Received: 07/30/2015

Laboratory ID: QG30034-032
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 1101	SES		81416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	2.5	J	5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	0.29	J	5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: DUP-2
Date Sampled: 07/29/2015 0940
Date Received: 07/30/2015

Laboratory ID: QG30034-032
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 1101	SES		81416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		91	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: EB-2
Date Sampled: 07/29/2015 1040
Date Received: 07/30/2015

Laboratory ID: QG30034-033
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 1125	SES		81416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		20	1.6	ug/L	1
Benzene	71-43-2	8260B	ND		5.0	0.21	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	0.23	ug/L	1
Bromoform	75-25-2	8260B	ND		5.0	0.35	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	0.19	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.8	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		5.0	0.45	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	0.31	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		5.0	0.20	ug/L	1
Chloroethane	75-00-3	8260B	ND		5.0	0.28	ug/L	1
Chloroform	67-66-3	8260B	ND		5.0	0.21	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	0.19	ug/L	1
Cyclohexane	110-82-7	8260B	ND		5.0	0.30	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	0.57	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	0.23	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	0.17	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	0.46	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	0.19	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	0.85	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	0.19	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	0.23	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	0.31	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	0.20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	0.33	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	0.29	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	0.30	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	0.22	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		5.0	0.21	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.26	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	0.14	ug/L	1
Methyl acetate	79-20-9	8260B	ND		5.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	0.23	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.29	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.16	ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	0.42	ug/L	1
Styrene	100-42-5	8260B	ND		5.0	0.13	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	0.13	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	0.22	ug/L	1
Toluene	108-88-3	8260B	ND		5.0	0.24	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: EB-2
Date Sampled: 07/29/2015 1040
Date Received: 07/30/2015

Laboratory ID: QG30034-033
Matrix: Aqueous

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/04/2015 1125	SES		81416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	0.30	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	0.13	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	0.24	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	0.22	ug/L	1
Trichloroethene	79-01-6	8260B	ND		5.0	0.16	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	0.74	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		2.0	0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	1.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		90	70-130
Toluene-d8		99	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ81323-001
Batch: 81323
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	1.6	ug/L	08/03/2015 1021
Benzene	ND		1	5.0	0.21	ug/L	08/03/2015 1021
Bromodichloromethane	ND		1	5.0	0.23	ug/L	08/03/2015 1021
Bromoform	ND		1	5.0	0.35	ug/L	08/03/2015 1021
Bromomethane (Methyl bromide)	ND		1	5.0	0.19	ug/L	08/03/2015 1021
2-Butanone (MEK)	ND		1	10	1.8	ug/L	08/03/2015 1021
Carbon disulfide	ND		1	5.0	0.45	ug/L	08/03/2015 1021
Carbon tetrachloride	ND		1	5.0	0.31	ug/L	08/03/2015 1021
Chlorobenzene	ND		1	5.0	0.20	ug/L	08/03/2015 1021
Chloroethane	ND		1	5.0	0.28	ug/L	08/03/2015 1021
Chloroform	ND		1	5.0	0.21	ug/L	08/03/2015 1021
Chloromethane (Methyl chloride)	ND		1	5.0	0.19	ug/L	08/03/2015 1021
Cyclohexane	ND		1	5.0	0.30	ug/L	08/03/2015 1021
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.57	ug/L	08/03/2015 1021
Dibromochloromethane	ND		1	5.0	0.23	ug/L	08/03/2015 1021
1,2-Dibromoethane (EDB)	ND		1	5.0	0.17	ug/L	08/03/2015 1021
1,4-Dichlorobenzene	ND		1	5.0	0.19	ug/L	08/03/2015 1021
1,3-Dichlorobenzene	ND		1	5.0	0.19	ug/L	08/03/2015 1021
1,2-Dichlorobenzene	ND		1	5.0	0.46	ug/L	08/03/2015 1021
Dichlorodifluoromethane	ND		1	5.0	0.85	ug/L	08/03/2015 1021
1,2-Dichloroethane	ND		1	5.0	0.23	ug/L	08/03/2015 1021
1,1-Dichloroethane	ND		1	5.0	0.19	ug/L	08/03/2015 1021
trans-1,2-Dichloroethene	ND		1	5.0	0.33	ug/L	08/03/2015 1021
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	08/03/2015 1021
1,1-Dichloroethene	ND		1	5.0	0.31	ug/L	08/03/2015 1021
1,2-Dichloropropane	ND		1	5.0	0.29	ug/L	08/03/2015 1021
trans-1,3-Dichloropropene	ND		1	5.0	0.22	ug/L	08/03/2015 1021
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	08/03/2015 1021
Ethylbenzene	ND		1	5.0	0.21	ug/L	08/03/2015 1021
2-Hexanone	ND		1	10	0.26	ug/L	08/03/2015 1021
Isopropylbenzene	ND		1	5.0	0.14	ug/L	08/03/2015 1021
Methyl acetate	ND		1	5.0	0.24	ug/L	08/03/2015 1021
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.23	ug/L	08/03/2015 1021
4-Methyl-2-pentanone	ND		1	10	0.29	ug/L	08/03/2015 1021
Methylcyclohexane	ND		1	5.0	0.16	ug/L	08/03/2015 1021
Methylene chloride	ND		1	5.0	0.42	ug/L	08/03/2015 1021
Styrene	ND		1	5.0	0.13	ug/L	08/03/2015 1021
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.13	ug/L	08/03/2015 1021
Tetrachloroethene	ND		1	5.0	0.22	ug/L	08/03/2015 1021
Toluene	ND		1	5.0	0.24	ug/L	08/03/2015 1021
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	08/03/2015 1021
1,2,4-Trichlorobenzene	ND		1	5.0	0.13	ug/L	08/03/2015 1021
1,1,2-Trichloroethane	ND		1	5.0	0.22	ug/L	08/03/2015 1021
1,1,1-Trichloroethane	ND		1	5.0	0.24	ug/L	08/03/2015 1021

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ81323-001
Batch: 81323
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.16	ug/L	08/03/2015 1021
Trichlorofluoromethane	ND		1	5.0	0.74	ug/L	08/03/2015 1021
Vinyl chloride	ND		1	2.0	0.50	ug/L	08/03/2015 1021
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/03/2015 1021

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		98	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81323-002
Batch: 81323
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	84		1	84	60-140	08/03/2015 0916
Benzene	50	51		1	102	70-130	08/03/2015 0916
Bromodichloromethane	50	50		1	101	70-130	08/03/2015 0916
Bromoform	50	50		1	99	70-130	08/03/2015 0916
Bromomethane (Methyl bromide)	50	50		1	100	60-140	08/03/2015 0916
2-Butanone (MEK)	100	82		1	82	60-140	08/03/2015 0916
Carbon disulfide	50	52		1	105	60-140	08/03/2015 0916
Carbon tetrachloride	50	48		1	97	70-130	08/03/2015 0916
Chlorobenzene	50	51		1	102	70-130	08/03/2015 0916
Chloroethane	50	44		1	88	42-163	08/03/2015 0916
Chloroform	50	44		1	88	70-130	08/03/2015 0916
Chloromethane (Methyl chloride)	50	43		1	87	60-140	08/03/2015 0916
Cyclohexane	50	44		1	88	70-130	08/03/2015 0916
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	86	70-130	08/03/2015 0916
Dibromochloromethane	50	50		1	100	70-130	08/03/2015 0916
1,2-Dibromoethane (EDB)	50	51		1	103	70-130	08/03/2015 0916
1,4-Dichlorobenzene	50	49		1	99	70-130	08/03/2015 0916
1,3-Dichlorobenzene	50	51		1	101	70-130	08/03/2015 0916
1,2-Dichlorobenzene	50	50		1	101	70-130	08/03/2015 0916
Dichlorodifluoromethane	50	41		1	82	60-140	08/03/2015 0916
1,2-Dichloroethane	50	49		1	97	70-130	08/03/2015 0916
1,1-Dichloroethane	50	45		1	91	70-130	08/03/2015 0916
trans-1,2-Dichloroethene	50	49		1	98	70-130	08/03/2015 0916
cis-1,2-Dichloroethene	50	49		1	97	70-130	08/03/2015 0916
1,1-Dichloroethene	50	50		1	101	70-130	08/03/2015 0916
1,2-Dichloropropane	50	50		1	99	70-130	08/03/2015 0916
trans-1,3-Dichloropropene	50	51		1	102	70-130	08/03/2015 0916
cis-1,3-Dichloropropene	50	52		1	103	70-130	08/03/2015 0916
Ethylbenzene	50	52		1	103	70-130	08/03/2015 0916
2-Hexanone	100	86		1	86	60-140	08/03/2015 0916
Isopropylbenzene	50	52		1	104	70-130	08/03/2015 0916
Methyl acetate	50	41		1	82	60-140	08/03/2015 0916
Methyl tertiary butyl ether (MTBE)	50	50		1	99	70-130	08/03/2015 0916
4-Methyl-2-pentanone	100	90		1	90	60-140	08/03/2015 0916
Methylcyclohexane	50	46		1	91	70-130	08/03/2015 0916
Methylene chloride	50	46		1	93	70-130	08/03/2015 0916
Styrene	50	51		1	103	70-130	08/03/2015 0916
1,1,2,2-Tetrachloroethane	50	47		1	95	70-130	08/03/2015 0916
Tetrachloroethene	50	50		1	100	70-130	08/03/2015 0916
Toluene	50	51		1	102	70-130	08/03/2015 0916
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	94	70-130	08/03/2015 0916
1,2,4-Trichlorobenzene	50	51		1	102	70-130	08/03/2015 0916
1,1,2-Trichloroethane	50	50		1	100	70-130	08/03/2015 0916
1,1,1-Trichloroethane	50	49		1	99	70-130	08/03/2015 0916

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81323-002
Batch: 81323
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	52		1	103	70-130	08/03/2015 0916
Trichlorofluoromethane	50	42		1	84	70-130	08/03/2015 0916
Vinyl chloride	50	45		1	89	70-130	08/03/2015 0916
Xylenes (total)	100	100		1	104	70-130	08/03/2015 0916

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ81363-001
Batch: 81363
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	1.6	ug/L	08/03/2015 2202
Benzene	ND		1	5.0	0.21	ug/L	08/03/2015 2202
Bromodichloromethane	ND		1	5.0	0.23	ug/L	08/03/2015 2202
Bromoform	ND		1	5.0	0.35	ug/L	08/03/2015 2202
Bromomethane (Methyl bromide)	ND		1	5.0	0.19	ug/L	08/03/2015 2202
2-Butanone (MEK)	ND		1	10	1.8	ug/L	08/03/2015 2202
Carbon disulfide	ND		1	5.0	0.45	ug/L	08/03/2015 2202
Carbon tetrachloride	ND		1	5.0	0.31	ug/L	08/03/2015 2202
Chlorobenzene	ND		1	5.0	0.20	ug/L	08/03/2015 2202
Chloroethane	ND		1	5.0	0.28	ug/L	08/03/2015 2202
Chloroform	ND		1	5.0	0.21	ug/L	08/03/2015 2202
Chloromethane (Methyl chloride)	ND		1	5.0	0.19	ug/L	08/03/2015 2202
Cyclohexane	ND		1	5.0	0.30	ug/L	08/03/2015 2202
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.57	ug/L	08/03/2015 2202
Dibromochloromethane	ND		1	5.0	0.23	ug/L	08/03/2015 2202
1,2-Dibromoethane (EDB)	ND		1	5.0	0.17	ug/L	08/03/2015 2202
1,3-Dichlorobenzene	ND		1	5.0	0.19	ug/L	08/03/2015 2202
1,2-Dichlorobenzene	ND		1	5.0	0.46	ug/L	08/03/2015 2202
1,4-Dichlorobenzene	ND		1	5.0	0.19	ug/L	08/03/2015 2202
Dichlorodifluoromethane	ND		1	5.0	0.85	ug/L	08/03/2015 2202
1,1-Dichloroethane	ND		1	5.0	0.19	ug/L	08/03/2015 2202
1,2-Dichloroethane	ND		1	5.0	0.23	ug/L	08/03/2015 2202
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	08/03/2015 2202
1,1-Dichloroethene	ND		1	5.0	0.31	ug/L	08/03/2015 2202
trans-1,2-Dichloroethene	ND		1	5.0	0.33	ug/L	08/03/2015 2202
1,2-Dichloropropane	ND		1	5.0	0.29	ug/L	08/03/2015 2202
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	08/03/2015 2202
trans-1,3-Dichloropropene	ND		1	5.0	0.22	ug/L	08/03/2015 2202
Ethylbenzene	ND		1	5.0	0.21	ug/L	08/03/2015 2202
2-Hexanone	ND		1	10	0.26	ug/L	08/03/2015 2202
Isopropylbenzene	ND		1	5.0	0.14	ug/L	08/03/2015 2202
Methyl acetate	ND		1	5.0	0.24	ug/L	08/03/2015 2202
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.23	ug/L	08/03/2015 2202
4-Methyl-2-pentanone	ND		1	10	0.29	ug/L	08/03/2015 2202
Methylcyclohexane	ND		1	5.0	0.16	ug/L	08/03/2015 2202
Methylene chloride	ND		1	5.0	0.42	ug/L	08/03/2015 2202
Styrene	ND		1	5.0	0.13	ug/L	08/03/2015 2202
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.13	ug/L	08/03/2015 2202
Tetrachloroethene	ND		1	5.0	0.22	ug/L	08/03/2015 2202
Toluene	ND		1	5.0	0.24	ug/L	08/03/2015 2202
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	08/03/2015 2202
1,2,4-Trichlorobenzene	ND		1	5.0	0.13	ug/L	08/03/2015 2202
1,1,2-Trichloroethane	ND		1	5.0	0.22	ug/L	08/03/2015 2202
1,1,1-Trichloroethane	ND		1	5.0	0.24	ug/L	08/03/2015 2202

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ81363-001
Batch: 81363
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.16	ug/L	08/03/2015 2202
Trichlorofluoromethane	ND		1	5.0	0.74	ug/L	08/03/2015 2202
Vinyl chloride	ND		1	2.0	0.50	ug/L	08/03/2015 2202
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/03/2015 2202

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81363-002
Batch: 81363
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	86		1	86	60-140	08/03/2015 2114
Benzene	50	52		1	104	70-130	08/03/2015 2114
Bromodichloromethane	50	51		1	103	70-130	08/03/2015 2114
Bromoform	50	49		1	99	70-130	08/03/2015 2114
Bromomethane (Methyl bromide)	50	56		1	112	60-140	08/03/2015 2114
2-Butanone (MEK)	100	89		1	89	60-140	08/03/2015 2114
Carbon disulfide	50	55		1	111	60-140	08/03/2015 2114
Carbon tetrachloride	50	52		1	103	70-130	08/03/2015 2114
Chlorobenzene	50	52		1	104	70-130	08/03/2015 2114
Chloroethane	50	49		1	98	42-163	08/03/2015 2114
Chloroform	50	46		1	92	70-130	08/03/2015 2114
Chloromethane (Methyl chloride)	50	49		1	98	60-140	08/03/2015 2114
Cyclohexane	50	49		1	97	70-130	08/03/2015 2114
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	86	70-130	08/03/2015 2114
Dibromochloromethane	50	52		1	103	70-130	08/03/2015 2114
1,2-Dibromoethane (EDB)	50	51		1	102	70-130	08/03/2015 2114
1,3-Dichlorobenzene	50	51		1	103	70-130	08/03/2015 2114
1,2-Dichlorobenzene	50	51		1	102	70-130	08/03/2015 2114
1,4-Dichlorobenzene	50	50		1	101	70-130	08/03/2015 2114
Dichlorodifluoromethane	50	53		1	106	60-140	08/03/2015 2114
1,1-Dichloroethane	50	48		1	96	70-130	08/03/2015 2114
1,2-Dichloroethane	50	49		1	99	70-130	08/03/2015 2114
cis-1,2-Dichloroethene	50	50		1	101	70-130	08/03/2015 2114
1,1-Dichloroethene	50	54		1	109	70-130	08/03/2015 2114
trans-1,2-Dichloroethene	50	51		1	102	70-130	08/03/2015 2114
1,2-Dichloropropane	50	49		1	99	70-130	08/03/2015 2114
cis-1,3-Dichloropropene	50	52		1	104	70-130	08/03/2015 2114
trans-1,3-Dichloropropene	50	51		1	102	70-130	08/03/2015 2114
Ethylbenzene	50	52		1	104	70-130	08/03/2015 2114
2-Hexanone	100	84		1	84	60-140	08/03/2015 2114
Isopropylbenzene	50	54		1	109	70-130	08/03/2015 2114
Methyl acetate	50	42		1	84	60-140	08/03/2015 2114
Methyl tertiary butyl ether (MTBE)	50	51		1	102	70-130	08/03/2015 2114
4-Methyl-2-pentanone	100	89		1	89	60-140	08/03/2015 2114
Methylcyclohexane	50	49		1	97	70-130	08/03/2015 2114
Methylene chloride	50	48		1	97	70-130	08/03/2015 2114
Styrene	50	53		1	106	70-130	08/03/2015 2114
1,1,2,2-Tetrachloroethane	50	49		1	98	70-130	08/03/2015 2114
Tetrachloroethene	50	50		1	101	70-130	08/03/2015 2114
Toluene	50	51		1	103	70-130	08/03/2015 2114
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	70-130	08/03/2015 2114
1,2,4-Trichlorobenzene	50	53		1	106	70-130	08/03/2015 2114
1,1,2-Trichloroethane	50	50		1	100	70-130	08/03/2015 2114
1,1,1-Trichloroethane	50	52		1	104	70-130	08/03/2015 2114

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81363-002
Batch: 81363
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	54		1	107	70-130	08/03/2015 2114
Trichlorofluoromethane	50	49		1	99	70-130	08/03/2015 2114
Vinyl chloride	50	53		1	106	70-130	08/03/2015 2114
Xylenes (total)	100	110		1	105	70-130	08/03/2015 2114

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		93	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: QG30034-025MS
Batch: 81363
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	ND	500	390		5	78	60-140	08/04/2015 0634
Benzene	ND	250	260		5	103	70-130	08/04/2015 0634
Bromodichloromethane	ND	250	260		5	103	71-143	08/04/2015 0634
Bromoform	ND	250	240		5	95	65-131	08/04/2015 0634
Bromomethane (Methyl bromide)	ND	250	310		5	125	36-168	08/04/2015 0634
2-Butanone (MEK)	ND	500	410		5	81	60-140	08/04/2015 0634
Carbon disulfide	ND	250	270		5	107	60-140	08/04/2015 0634
Carbon tetrachloride	ND	250	240		5	95	37-166	08/04/2015 0634
Chlorobenzene	ND	250	250		5	98	78-129	08/04/2015 0634
Chloroethane	ND	250	260		5	106	60-140	08/04/2015 0634
Chloroform	ND	250	230		5	93	63-123	08/04/2015 0634
Chloromethane (Methyl chloride)	ND	250	270		5	107	20-158	08/04/2015 0634
Cyclohexane	ND	250	190		5	76	70-130	08/04/2015 0634
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	200		5	79	70-130	08/04/2015 0634
Dibromochloromethane	ND	250	250		5	99	74-134	08/04/2015 0634
1,2-Dibromoethane (EDB)	ND	250	250		5	102	70-130	08/04/2015 0634
1,2-Dichlorobenzene	ND	250	240		5	97	70-130	08/04/2015 0634
1,3-Dichlorobenzene	ND	250	240		5	96	70-130	08/04/2015 0634
1,4-Dichlorobenzene	ND	250	230		5	93	70-130	08/04/2015 0634
Dichlorodifluoromethane	ND	250	230		5	92	10-158	08/04/2015 0634
1,1-Dichloroethane	ND	250	240		5	96	69-132	08/04/2015 0634
1,2-Dichloroethane	ND	250	250		5	99	70-130	08/04/2015 0634
1,1-Dichloroethene	ND	250	260		5	103	50-132	08/04/2015 0634
cis-1,2-Dichloroethene	ND	250	250		5	101	70-130	08/04/2015 0634
trans-1,2-Dichloroethene	ND	250	250		5	100	70-130	08/04/2015 0634
1,2-Dichloropropane	ND	250	250		5	99	71-126	08/04/2015 0634
cis-1,3-Dichloropropene	ND	250	250		5	100	69-130	08/04/2015 0634
trans-1,3-Dichloropropene	ND	250	240		5	96	73-131	08/04/2015 0634
Ethylbenzene	ND	250	240		5	96	70-130	08/04/2015 0634
2-Hexanone	ND	500	400		5	81	60-140	08/04/2015 0634
Isopropylbenzene	ND	250	240		5	96	70-130	08/04/2015 0634
Methyl acetate	ND	250	200		5	79	15-128	08/04/2015 0634
Methyl tertiary butyl ether (MTBE)	ND	250	250		5	101	70-130	08/04/2015 0634
4-Methyl-2-pentanone	ND	500	430		5	87	60-140	08/04/2015 0634
Methylcyclohexane	ND	250	180		5	74	70-130	08/04/2015 0634
Methylene chloride	ND	250	250		5	98	69-129	08/04/2015 0634
Styrene	ND	250	250		5	99	70-130	08/04/2015 0634
1,1,2,2-Tetrachloroethane	ND	250	240		5	95	60-155	08/04/2015 0634
Tetrachloroethene	690	250	860	N	5	68	70-130	08/04/2015 0634
Toluene	ND	250	250		5	99	70-130	08/04/2015 0634
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250	210		5	82	70-130	08/04/2015 0634
1,2,4-Trichlorobenzene	ND	250	240		5	95	70-130	08/04/2015 0634
1,1,1-Trichloroethane	ND	250	250		5	102	77-132	08/04/2015 0634
1,1,2-Trichloroethane	ND	250	250		5	99	77-132	08/04/2015 0634

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: QG30034-025MS
Batch: 81363
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	8.3	250	260		5	102	73-124	08/04/2015 0634
Trichlorofluoromethane	ND	250	240		5	97	60-140	08/04/2015 0634
Vinyl chloride	ND	250	290		5	116	29-159	08/04/2015 0634
Xylenes (total)	ND	500	490		5	98	70-130	08/04/2015 0634

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: QG30034-025MD
Batch: 81363
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	500	420		5	84	8.2	60-140	20	08/04/2015 0657
Benzene	ND	250	280		5	111	7.2	70-130	20	08/04/2015 0657
Bromodichloromethane	ND	250	280		5	111	7.8	71-143	20	08/04/2015 0657
Bromoform	ND	250	260		5	104	8.4	65-131	20	08/04/2015 0657
Bromomethane (Methyl bromide)	ND	250	310		5	126	0.83	36-168	20	08/04/2015 0657
2-Butanone (MEK)	ND	500	440		5	87	7.6	60-140	20	08/04/2015 0657
Carbon disulfide	ND	250	300		5	118	10	60-140	20	08/04/2015 0657
Carbon tetrachloride	ND	250	270		5	106	11	37-166	20	08/04/2015 0657
Chlorobenzene	ND	250	270		5	109	10	78-129	20	08/04/2015 0657
Chloroethane	ND	250	270		5	108	1.7	60-140	20	08/04/2015 0657
Chloroform	ND	250	250		5	100	7.3	63-123	20	08/04/2015 0657
Chloromethane (Methyl chloride)	ND	250	280		5	111	3.7	20-158	20	08/04/2015 0657
Cyclohexane	ND	250	210		5	85	10	70-130	20	08/04/2015 0657
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	220		5	88	10	70-130	20	08/04/2015 0657
Dibromochloromethane	ND	250	270		5	107	7.9	74-134	20	08/04/2015 0657
1,2-Dibromoethane (EDB)	ND	250	270		5	108	6.6	70-130	20	08/04/2015 0657
1,2-Dichlorobenzene	ND	250	270		5	106	9.5	70-130	20	08/04/2015 0657
1,3-Dichlorobenzene	ND	250	260		5	106	10	70-130	20	08/04/2015 0657
1,4-Dichlorobenzene	ND	250	260		5	104	10	70-130	20	08/04/2015 0657
Dichlorodifluoromethane	ND	250	240		5	95	4.0	10-158	20	08/04/2015 0657
1,1-Dichloroethane	ND	250	260		5	104	7.7	69-132	20	08/04/2015 0657
1,2-Dichloroethane	ND	250	260		5	104	4.9	70-130	20	08/04/2015 0657
1,1-Dichloroethene	ND	250	290		5	115	11	50-132	20	08/04/2015 0657
cis-1,2-Dichloroethene	ND	250	270		5	109	7.8	70-130	20	08/04/2015 0657
trans-1,2-Dichloroethene	ND	250	280		5	112	11	70-130	20	08/04/2015 0657
1,2-Dichloropropane	ND	250	270		5	107	7.4	71-126	20	08/04/2015 0657
cis-1,3-Dichloropropene	ND	250	270		5	106	6.5	69-130	20	08/04/2015 0657
trans-1,3-Dichloropropene	ND	250	260		5	104	7.7	73-131	20	08/04/2015 0657
Ethylbenzene	ND	250	270		5	107	9.9	70-130	20	08/04/2015 0657
2-Hexanone	ND	500	430		5	87	7.3	60-140	20	08/04/2015 0657
Isopropylbenzene	ND	250	270		5	106	9.8	70-130	20	08/04/2015 0657
Methyl acetate	ND	250	220		5	87	10	15-128	20	08/04/2015 0657
Methyl tertiary butyl ether (MTBE)	ND	250	270		5	109	7.4	70-130	20	08/04/2015 0657
4-Methyl-2-pentanone	ND	500	460		5	92	5.4	60-140	20	08/04/2015 0657
Methylcyclohexane	ND	250	190		5	77	4.7	70-130	20	08/04/2015 0657
Methylene chloride	ND	250	260		5	104	5.7	69-129	20	08/04/2015 0657
Styrene	ND	250	270		5	109	9.4	70-130	20	08/04/2015 0657
1,1,2,2-Tetrachloroethane	ND	250	260		5	103	7.7	60-155	20	08/04/2015 0657
Tetrachloroethene	690	250	830	N	5	58	3.2	70-130	20	08/04/2015 0657
Toluene	ND	250	270		5	109	9.2	70-130	20	08/04/2015 0657
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250	220		5	89	8.4	70-130	20	08/04/2015 0657
1,2,4-Trichlorobenzene	ND	250	260		5	106	11	70-130	20	08/04/2015 0657
1,1,1-Trichloroethane	ND	250	280		5	112	9.8	77-132	20	08/04/2015 0657
1,1,2-Trichloroethane	ND	250	270		5	106	7.0	77-132	20	08/04/2015 0657

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: QG30034-025MD
Batch: 81363
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	8.3	250	290		5	112	9.2	73-124	20	08/04/2015 0657
Trichlorofluoromethane	ND	250	250		5	99	2.6	60-140	20	08/04/2015 0657
Vinyl chloride	ND	250	300		5	119	2.4	29-159	20	08/04/2015 0657
Xylenes (total)	ND	500	540		5	107	8.7	70-130	20	08/04/2015 0657

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ81416-001
Batch: 81416
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	20	1.6	ug/L	08/04/2015 1000
Benzene	ND		1	5.0	0.21	ug/L	08/04/2015 1000
Bromodichloromethane	ND		1	5.0	0.23	ug/L	08/04/2015 1000
Bromoform	ND		1	5.0	0.35	ug/L	08/04/2015 1000
Bromomethane (Methyl bromide)	ND		1	5.0	0.19	ug/L	08/04/2015 1000
2-Butanone (MEK)	ND		1	10	1.8	ug/L	08/04/2015 1000
Carbon disulfide	ND		1	5.0	0.45	ug/L	08/04/2015 1000
Carbon tetrachloride	ND		1	5.0	0.31	ug/L	08/04/2015 1000
Chlorobenzene	ND		1	5.0	0.20	ug/L	08/04/2015 1000
Chloroethane	ND		1	5.0	0.28	ug/L	08/04/2015 1000
Chloroform	ND		1	5.0	0.21	ug/L	08/04/2015 1000
Chloromethane (Methyl chloride)	ND		1	5.0	0.19	ug/L	08/04/2015 1000
Cyclohexane	ND		1	5.0	0.30	ug/L	08/04/2015 1000
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	0.57	ug/L	08/04/2015 1000
Dibromochloromethane	ND		1	5.0	0.23	ug/L	08/04/2015 1000
1,2-Dibromoethane (EDB)	ND		1	5.0	0.17	ug/L	08/04/2015 1000
1,4-Dichlorobenzene	ND		1	5.0	0.19	ug/L	08/04/2015 1000
1,2-Dichlorobenzene	ND		1	5.0	0.46	ug/L	08/04/2015 1000
1,3-Dichlorobenzene	ND		1	5.0	0.19	ug/L	08/04/2015 1000
Dichlorodifluoromethane	ND		1	5.0	0.85	ug/L	08/04/2015 1000
1,2-Dichloroethane	ND		1	5.0	0.23	ug/L	08/04/2015 1000
1,1-Dichloroethane	ND		1	5.0	0.19	ug/L	08/04/2015 1000
cis-1,2-Dichloroethene	ND		1	5.0	0.20	ug/L	08/04/2015 1000
trans-1,2-Dichloroethene	ND		1	5.0	0.33	ug/L	08/04/2015 1000
1,1-Dichloroethene	ND		1	5.0	0.31	ug/L	08/04/2015 1000
1,2-Dichloropropane	ND		1	5.0	0.29	ug/L	08/04/2015 1000
trans-1,3-Dichloropropene	ND		1	5.0	0.22	ug/L	08/04/2015 1000
cis-1,3-Dichloropropene	ND		1	5.0	0.30	ug/L	08/04/2015 1000
Ethylbenzene	ND		1	5.0	0.21	ug/L	08/04/2015 1000
2-Hexanone	ND		1	10	0.26	ug/L	08/04/2015 1000
Isopropylbenzene	ND		1	5.0	0.14	ug/L	08/04/2015 1000
Methyl acetate	ND		1	5.0	0.24	ug/L	08/04/2015 1000
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	0.23	ug/L	08/04/2015 1000
4-Methyl-2-pentanone	ND		1	10	0.29	ug/L	08/04/2015 1000
Methylcyclohexane	ND		1	5.0	0.16	ug/L	08/04/2015 1000
Methylene chloride	ND		1	5.0	0.42	ug/L	08/04/2015 1000
Styrene	ND		1	5.0	0.13	ug/L	08/04/2015 1000
1,1,2,2-Tetrachloroethane	ND		1	5.0	0.13	ug/L	08/04/2015 1000
Tetrachloroethene	ND		1	5.0	0.22	ug/L	08/04/2015 1000
Toluene	ND		1	5.0	0.24	ug/L	08/04/2015 1000
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	0.30	ug/L	08/04/2015 1000
1,2,4-Trichlorobenzene	ND		1	5.0	0.13	ug/L	08/04/2015 1000
1,1,2-Trichloroethane	ND		1	5.0	0.22	ug/L	08/04/2015 1000
1,1,1-Trichloroethane	ND		1	5.0	0.24	ug/L	08/04/2015 1000

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ81416-001
Batch: 81416
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	5.0	0.16	ug/L	08/04/2015 1000
Trichlorofluoromethane	ND		1	5.0	0.74	ug/L	08/04/2015 1000
Vinyl chloride	ND		1	2.0	0.50	ug/L	08/04/2015 1000
Xylenes (total)	ND		1	5.0	1.7	ug/L	08/04/2015 1000

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81416-002
Batch: 81416
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	81		1	81	60-140	08/04/2015 0903
Benzene	50	53		1	105	70-130	08/04/2015 0903
Bromodichloromethane	50	53		1	105	70-130	08/04/2015 0903
Bromoform	50	51		1	102	70-130	08/04/2015 0903
Bromomethane (Methyl bromide)	50	54		1	109	60-140	08/04/2015 0903
2-Butanone (MEK)	100	86		1	86	60-140	08/04/2015 0903
Carbon disulfide	50	56		1	113	60-140	08/04/2015 0903
Carbon tetrachloride	50	51		1	102	70-130	08/04/2015 0903
Chlorobenzene	50	53		1	107	70-130	08/04/2015 0903
Chloroethane	50	48		1	96	42-163	08/04/2015 0903
Chloroform	50	47		1	94	70-130	08/04/2015 0903
Chloromethane (Methyl chloride)	50	47		1	95	60-140	08/04/2015 0903
Cyclohexane	50	49		1	99	70-130	08/04/2015 0903
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	70-130	08/04/2015 0903
Dibromochloromethane	50	52		1	104	70-130	08/04/2015 0903
1,2-Dibromoethane (EDB)	50	53		1	106	70-130	08/04/2015 0903
1,4-Dichlorobenzene	50	52		1	105	70-130	08/04/2015 0903
1,2-Dichlorobenzene	50	54		1	108	70-130	08/04/2015 0903
1,3-Dichlorobenzene	50	54		1	107	70-130	08/04/2015 0903
Dichlorodifluoromethane	50	50		1	100	60-140	08/04/2015 0903
1,2-Dichloroethane	50	51		1	101	70-130	08/04/2015 0903
1,1-Dichloroethane	50	48		1	96	70-130	08/04/2015 0903
cis-1,2-Dichloroethene	50	51		1	102	70-130	08/04/2015 0903
trans-1,2-Dichloroethene	50	52		1	104	70-130	08/04/2015 0903
1,1-Dichloroethene	50	54		1	107	70-130	08/04/2015 0903
1,2-Dichloropropane	50	51		1	101	70-130	08/04/2015 0903
trans-1,3-Dichloropropene	50	53		1	107	70-130	08/04/2015 0903
cis-1,3-Dichloropropene	50	53		1	107	70-130	08/04/2015 0903
Ethylbenzene	50	54		1	108	70-130	08/04/2015 0903
2-Hexanone	100	87		1	87	60-140	08/04/2015 0903
Isopropylbenzene	50	54		1	109	70-130	08/04/2015 0903
Methyl acetate	50	43		1	86	60-140	08/04/2015 0903
Methyl tertiary butyl ether (MTBE)	50	52		1	104	70-130	08/04/2015 0903
4-Methyl-2-pentanone	100	92		1	92	60-140	08/04/2015 0903
Methylcyclohexane	50	49		1	97	70-130	08/04/2015 0903
Methylene chloride	50	49		1	97	70-130	08/04/2015 0903
Styrene	50	54		1	108	70-130	08/04/2015 0903
1,1,2,2-Tetrachloroethane	50	51		1	102	70-130	08/04/2015 0903
Tetrachloroethene	50	52		1	104	70-130	08/04/2015 0903
Toluene	50	53		1	106	70-130	08/04/2015 0903
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	70-130	08/04/2015 0903
1,2,4-Trichlorobenzene	50	55		1	110	70-130	08/04/2015 0903
1,1,2-Trichloroethane	50	52		1	104	70-130	08/04/2015 0903
1,1,1-Trichloroethane	50	53		1	106	70-130	08/04/2015 0903

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ81416-002
Batch: 81416
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	54		1	108	70-130	08/04/2015 0903
Trichlorofluoromethane	50	48		1	96	70-130	08/04/2015 0903
Vinyl chloride	50	51		1	102	70-130	08/04/2015 0903
Xylenes (total)	100	110		1	108	70-130	08/04/2015 0903

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		94	70-130
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: QG30034-003MS
Batch: 81416
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	10	500	420		5	83	60-140	08/04/2015 1833
Benzene	10	250	270		5	104	70-130	08/04/2015 1833
Bromodichloromethane	ND	250	260		5	102	71-143	08/04/2015 1833
Bromoform	ND	250	230		5	93	65-131	08/04/2015 1833
Bromomethane (Methyl bromide)	ND	250	300		5	120	36-168	08/04/2015 1833
2-Butanone (MEK)	ND	500	430		5	86	60-140	08/04/2015 1833
Carbon disulfide	ND	250	260		5	105	60-140	08/04/2015 1833
Carbon tetrachloride	ND	250	240		5	97	37-166	08/04/2015 1833
Chlorobenzene	ND	250	250		5	101	78-129	08/04/2015 1833
Chloroethane	ND	250	260		5	103	60-140	08/04/2015 1833
Chloroform	ND	250	240		5	94	63-123	08/04/2015 1833
Chloromethane (Methyl chloride)	ND	250	260		5	105	20-158	08/04/2015 1833
Cyclohexane	ND	250	200		5	81	70-130	08/04/2015 1833
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	210		5	84	70-130	08/04/2015 1833
Dibromochloromethane	ND	250	250		5	99	74-134	08/04/2015 1833
1,2-Dibromoethane (EDB)	ND	250	260		5	103	70-130	08/04/2015 1833
1,2-Dichlorobenzene	ND	250	250		5	100	70-130	08/04/2015 1833
1,3-Dichlorobenzene	ND	250	250		5	99	70-130	08/04/2015 1833
1,4-Dichlorobenzene	ND	250	240		5	97	70-130	08/04/2015 1833
Dichlorodifluoromethane	ND	250	230		5	92	10-158	08/04/2015 1833
1,1-Dichloroethane	ND	250	240		5	97	69-132	08/04/2015 1833
1,2-Dichloroethane	ND	250	250		5	98	70-130	08/04/2015 1833
1,1-Dichloroethene	ND	250	260		5	103	50-132	08/04/2015 1833
cis-1,2-Dichloroethene	280	250	530		5	100	70-130	08/04/2015 1833
trans-1,2-Dichloroethene	ND	250	260		5	104	70-130	08/04/2015 1833
1,2-Dichloropropane	ND	250	250		5	99	71-126	08/04/2015 1833
cis-1,3-Dichloropropene	ND	250	250		5	98	69-130	08/04/2015 1833
trans-1,3-Dichloropropene	ND	250	240		5	97	73-131	08/04/2015 1833
Ethylbenzene	6.9	250	250		5	97	70-130	08/04/2015 1833
2-Hexanone	4.6	500	410		5	81	60-140	08/04/2015 1833
Isopropylbenzene	17	250	260		5	97	70-130	08/04/2015 1833
Methyl acetate	ND	250	200		5	81	15-128	08/04/2015 1833
Methyl tertiary butyl ether (MTBE)	ND	250	250		5	101	70-130	08/04/2015 1833
4-Methyl-2-pentanone	2.6	500	430		5	86	60-140	08/04/2015 1833
Methylcyclohexane	4.5	250	190		5	74	70-130	08/04/2015 1833
Methylene chloride	ND	250	250		5	99	69-129	08/04/2015 1833
Styrene	0.81	250	250		5	102	70-130	08/04/2015 1833
1,1,2,2-Tetrachloroethane	ND	250	240		5	97	60-155	08/04/2015 1833
Tetrachloroethene	13	250	240		5	91	70-130	08/04/2015 1833
Toluene	2.9	250	250		5	100	70-130	08/04/2015 1833
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250	220		5	87	70-130	08/04/2015 1833
1,2,4-Trichlorobenzene	ND	250	260		5	104	70-130	08/04/2015 1833
1,1,1-Trichloroethane	ND	250	260		5	104	77-132	08/04/2015 1833
1,1,2-Trichloroethane	ND	250	250		5	99	77-132	08/04/2015 1833

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: QG30034-003MS
Batch: 81416
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	0.81	250	260		5	103	73-124	08/04/2015 1833
Trichlorofluoromethane	ND	250	230		5	93	60-140	08/04/2015 1833
Vinyl chloride	ND	250	290		5	114	29-159	08/04/2015 1833
Xylenes (total)	56	500	560		5	101	70-130	08/04/2015 1833

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		93	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

P = The RPD between two GC columns exceeds 40%

J = Estimated result < PQL and ≥ MDL

N = Recovery is out of criteria

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: QG30034-003MD
Batch: 81416
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	10	500	410		5	80	3.2	60-140	20	08/04/2015 1857
Benzene	10	250	270		5	103	0.61	70-130	20	08/04/2015 1857
Bromodichloromethane	ND	250	260		5	104	2.1	71-143	20	08/04/2015 1857
Bromoform	ND	250	240		5	97	4.0	65-131	20	08/04/2015 1857
Bromomethane (Methyl bromide)	ND	250	300		5	120	0.015	36-168	20	08/04/2015 1857
2-Butanone (MEK)	ND	500	430		5	86	0.098	60-140	20	08/04/2015 1857
Carbon disulfide	ND	250	260		5	104	0.32	60-140	20	08/04/2015 1857
Carbon tetrachloride	ND	250	240		5	98	0.25	37-166	20	08/04/2015 1857
Chlorobenzene	ND	250	260		5	102	0.96	78-129	20	08/04/2015 1857
Chloroethane	ND	250	250		5	102	0.71	60-140	20	08/04/2015 1857
Chloroform	ND	250	240		5	95	0.70	63-123	20	08/04/2015 1857
Chloromethane (Methyl chloride)	ND	250	280		5	110	4.9	20-158	20	08/04/2015 1857
Cyclohexane	ND	250	200		5	79	2.3	70-130	20	08/04/2015 1857
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	220		5	87	3.1	70-130	20	08/04/2015 1857
Dibromochloromethane	ND	250	250		5	101	2.3	74-134	20	08/04/2015 1857
1,2-Dibromoethane (EDB)	ND	250	260		5	102	0.71	70-130	20	08/04/2015 1857
1,2-Dichlorobenzene	ND	250	250		5	100	0.037	70-130	20	08/04/2015 1857
1,3-Dichlorobenzene	ND	250	250		5	100	0.84	70-130	20	08/04/2015 1857
1,4-Dichlorobenzene	ND	250	240		5	97	0.21	70-130	20	08/04/2015 1857
Dichlorodifluoromethane	ND	250	230		5	92	0.045	10-158	20	08/04/2015 1857
1,1-Dichloroethane	ND	250	240		5	98	0.85	69-132	20	08/04/2015 1857
1,2-Dichloroethane	ND	250	250		5	100	1.5	70-130	20	08/04/2015 1857
1,1-Dichloroethene	ND	250	260		5	103	0.038	50-132	20	08/04/2015 1857
cis-1,2-Dichloroethene	280	250	520		5	96	2.0	70-130	20	08/04/2015 1857
trans-1,2-Dichloroethene	ND	250	260		5	104	0.41	70-130	20	08/04/2015 1857
1,2-Dichloropropane	ND	250	250		5	102	2.5	71-126	20	08/04/2015 1857
cis-1,3-Dichloropropene	ND	250	250		5	100	1.7	69-130	20	08/04/2015 1857
trans-1,3-Dichloropropene	ND	250	240		5	98	1.2	73-131	20	08/04/2015 1857
Ethylbenzene	6.9	250	260		5	100	2.9	70-130	20	08/04/2015 1857
2-Hexanone	4.6	500	420		5	83	2.9	60-140	20	08/04/2015 1857
Isopropylbenzene	17	250	260		5	98	0.72	70-130	20	08/04/2015 1857
Methyl acetate	ND	250	200		5	82	1.0	15-128	20	08/04/2015 1857
Methyl tertiary butyl ether (MTBE)	ND	250	250		5	102	0.68	70-130	20	08/04/2015 1857
4-Methyl-2-pentanone	2.6	500	440		5	87	0.13	60-140	20	08/04/2015 1857
Methylcyclohexane	4.5	250	200		5	76	2.7	70-130	20	08/04/2015 1857
Methylene chloride	ND	250	250		5	98	1.2	69-129	20	08/04/2015 1857
Styrene	0.81	250	260		5	103	1.1	70-130	20	08/04/2015 1857
1,1,2,2-Tetrachloroethane	ND	250	240		5	98	1.1	60-155	20	08/04/2015 1857
Tetrachloroethene	13	250	250		5	93	2.4	70-130	20	08/04/2015 1857
Toluene	2.9	250	260		5	103	2.2	70-130	20	08/04/2015 1857
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	250	210		5	85	2.5	70-130	20	08/04/2015 1857
1,2,4-Trichlorobenzene	ND	250	260		5	105	1.3	70-130	20	08/04/2015 1857
1,1,1-Trichloroethane	ND	250	250		5	102	2.2	77-132	20	08/04/2015 1857
1,1,2-Trichloroethane	ND	250	260		5	102	2.7	77-132	20	08/04/2015 1857

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: QG30034-003MD
Batch: 81416
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	0.81	250	260		5	104	1.4	73-124	20	08/04/2015 1857
Trichlorofluoromethane	ND	250	230		5	93	0.72	60-140	20	08/04/2015 1857
Vinyl chloride	ND	250	290		5	114	0.073	29-159	20	08/04/2015 1857
Xylenes (total)	56	500	550		5	99	0.93	70-130	20	08/04/2015 1857

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		92	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS (SIM) - MB

Sample ID: QQ81425-001
Batch: 81425
Analytical Method: 8270D (SIM)

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 08/04/2015 1350

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acenaphthene	ND		1	0.20	0.021	ug/L	08/07/2015 1829
Acenaphthylene	ND		1	0.20	0.024	ug/L	08/07/2015 1829
Anthracene	ND		1	0.20	0.016	ug/L	08/07/2015 1829
Benzo(a)anthracene	ND		1	0.20	0.019	ug/L	08/07/2015 1829
Benzo(a)pyrene	ND		1	0.20	0.020	ug/L	08/07/2015 1829
Benzo(b)fluoranthene	ND		1	0.20	0.019	ug/L	08/07/2015 1829
Benzo(g,h,i)perylene	ND		1	0.20	0.062	ug/L	08/07/2015 1829
Benzo(k)fluoranthene	ND		1	0.20	0.024	ug/L	08/07/2015 1829
Chrysene	ND		1	0.20	0.021	ug/L	08/07/2015 1829
Dibenzo(a,h)anthracene	ND		1	0.20	0.040	ug/L	08/07/2015 1829
Fluoranthene	ND		1	0.20	0.018	ug/L	08/07/2015 1829
Fluorene	ND		1	0.20	0.022	ug/L	08/07/2015 1829
Indeno(1,2,3-c,d)pyrene	ND		1	0.20	0.050	ug/L	08/07/2015 1829
Naphthalene	ND		1	0.20	0.030	ug/L	08/07/2015 1829
Phenanthrene	ND		1	0.20	0.023	ug/L	08/07/2015 1829
Pyrene	ND		1	0.20	0.017	ug/L	08/07/2015 1829

Surrogate	Q	% Rec	Acceptance Limit
2-Methylnaphthalene-d10		93	15-139
Fluoranthene-d10		99	23-154

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS (SIM) - LCS

Sample ID: QQ81425-002
Batch: 81425
Analytical Method: 8270D (SIM)

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 08/04/2015 1350

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	0.60	0.55		1	92	41-120	08/07/2015 1859
Acenaphthylene	0.60	0.55		1	91	33-93	08/07/2015 1859
Anthracene	0.60	0.48		1	80	13-122	08/07/2015 1859
Benzo(a)anthracene	0.60	0.55		1	91	38-126	08/07/2015 1859
Benzo(a)pyrene	0.60	0.49		1	82	15-115	08/07/2015 1859
Benzo(b)fluoranthene	0.60	0.61		1	101	35-145	08/07/2015 1859
Benzo(g,h,i)perylene	0.60	0.56		1	94	34-142	08/07/2015 1859
Benzo(k)fluoranthene	0.60	0.65		1	108	36-146	08/07/2015 1859
Chrysene	0.60	0.57		1	96	40-135	08/07/2015 1859
Dibenzo(a,h)anthracene	0.60	0.58		1	96	33-144	08/07/2015 1859
Fluoranthene	0.60	0.58		1	97	26-148	08/07/2015 1859
Fluorene	0.60	0.64		1	107	34-126	08/07/2015 1859
Indeno(1,2,3-c,d)pyrene	0.60	0.59		1	98	36-141	08/07/2015 1859
Naphthalene	0.60	0.63		1	106	21-148	08/07/2015 1859
Phenanthrene	0.60	0.73		1	121	29-136	08/07/2015 1859
Pyrene	0.60	0.57		1	95	36-128	08/07/2015 1859

Surrogate	Q	% Rec	Acceptance Limit
2-Methylnaphthalene-d10		85	15-139
Fluoranthene-d10		89	23-154

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS (SIM) - MS

Sample ID: QG30034-003MS
Batch: 81425
Analytical Method: 8270D (SIM)

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 08/04/2015 1350

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	0.40	ND	N	200	0.00	41-120	08/08/2015 1909
Acenaphthylene	ND	0.40	ND	N	200	0.00	33-93	08/08/2015 1909
Anthracene	ND	0.40	ND	N	200	0.00	13-122	08/08/2015 1909
Benzo(a)anthracene	ND	0.40	ND	N	200	0.00	38-126	08/08/2015 1909
Benzo(a)pyrene	ND	0.40	ND	N	200	0.00	15-115	08/08/2015 1909
Benzo(b)fluoranthene	ND	0.40	ND	N	200	0.00	35-145	08/08/2015 1909
Benzo(g,h,i)perylene	ND	0.40	ND	N	200	0.00	34-142	08/08/2015 1909
Benzo(k)fluoranthene	ND	0.40	ND	N	200	0.00	36-146	08/08/2015 1909
Chrysene	ND	0.40	ND	N	200	0.00	40-135	08/08/2015 1909
Dibenzo(a,h)anthracene	ND	0.40	ND	N	200	0.00	33-144	08/08/2015 1909
Fluoranthene	ND	0.40	ND	N	200	0.00	26-148	08/08/2015 1909
Fluorene	ND	0.40	6.7	N	200	1680	34-126	08/08/2015 1909
Indeno(1,2,3-c,d)pyrene	ND	0.40	ND	N	200	0.00	36-141	08/08/2015 1909
Naphthalene	190	0.40	210	N	200	6340	21-148	08/08/2015 1909
Phenanthrene	ND	0.40	15	N	200	3850	29-136	08/08/2015 1909
Pyrene	ND	0.40	ND	N	200	0.00	36-128	08/08/2015 1909

Surrogate	Q	% Rec	Acceptance Limit
Fluoranthene-d10	N	0.00	23-154
2-Methylnaphthalene-d10	N	1350	15-139

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Semivolatile Organic Compounds by GC/MS (SIM) - MSD

Sample ID: QG30034-003MD
Batch: 81425
Analytical Method: 8270D (SIM)

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 08/04/2015 1350

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	0.40	ND	N	200	0.00	0.00	41-120	40	08/08/2015 1938
Acenaphthylene	ND	0.40	ND	N	200	0.00	0.00	33-93	40	08/08/2015 1938
Anthracene	ND	0.40	ND	N	200	0.00	0.00	13-122	40	08/08/2015 1938
Benzo(a)anthracene	ND	0.40	ND	N	200	0.00	0.00	38-126	40	08/08/2015 1938
Benzo(a)pyrene	ND	0.40	ND	N	200	0.00	0.00	15-115	40	08/08/2015 1938
Benzo(b)fluoranthene	ND	0.40	ND	N	200	0.00	0.00	35-145	40	08/08/2015 1938
Benzo(g,h,i)perylene	ND	0.40	ND	N	200	0.00	0.00	34-142	40	08/08/2015 1938
Benzo(k)fluoranthene	ND	0.40	ND	N	200	0.00	0.00	36-146	40	08/08/2015 1938
Chrysene	ND	0.40	ND	N	200	0.00	0.00	40-135	40	08/08/2015 1938
Dibenzo(a,h)anthracene	ND	0.40	ND	N	200	0.00	0.00	33-144	40	08/08/2015 1938
Fluoranthene	ND	0.40	ND	N	200	0.00	0.00	26-148	40	08/08/2015 1938
Fluorene	ND	0.40	6.5	N	200	1620	3.4	34-126	40	08/08/2015 1938
Indeno(1,2,3-c,d)pyrene	ND	0.40	ND	N	200	0.00	0.00	36-141	40	08/08/2015 1938
Naphthalene	190	0.40	220	N	200	7800	2.7	21-148	40	08/08/2015 1938
Phenanthrene	ND	0.40	13	N	200	3270	16	29-136	40	08/08/2015 1938
Pyrene	ND	0.40	ND	N	200	0.00	0.00	36-128	40	08/08/2015 1938

Surrogate	Q	% Rec	Acceptance Limit
Fluoranthene-d10	N	0.00	23-154
2-Methylnaphthalene-d10	N	1450	15-139

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
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+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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SHEALY ENVIRONMENTAL SERVICES, INC.

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www.shealylab.com

Chain of Custody Record

Number 50103

Client: AECOM	Report to Contact: Aaron Council	Telephone No. / E-mail: 864-234-3032 aaron.council@aecom.com	Quote No.: 17808
Address: 10 Patewood Dr., Building 6, Suite 500	Sampler's Signature: X Aaron Council	Analysis (Attach list if more space is needed)	Page 1 of 4
City: Greenville / State: SC / Zip Code: 29615	Printed Name: Aaron Council		QG30034
Project Name: Itron - Greenwood			
Project No.: 60429584.04000	P.O. No.: 62743 ACM		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Soil	Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL VOCs 8260B	PAHs 8270D (SIM)	Remarks / Cooler I.D.
MW-1	7/28/15	1038	G	✓			3			1			✓		
MW-2	7/28/15	1058	G	✓			3			1			✓		
MW-3	7/29/15	0855	G	✓			5			1			✓	✓	
MW-3 MS	7/29/15	0855	G	✓			5			1			✓	✓	
MW-3 MSD	7/29/15	0855	G	✓			5			1			✓	✓	
MW-4	7/29/15	1100	G	✓			3			1			✓		
MW-5	7/28/15	1401	G	✓			3			1			✓		
MW-5D	7/28/15	1358	G	✓			3			1			✓		
MW-6	7/29/15	1030	G	✓			3			1			✓		
Trip Blank 1				✓						2			✓		

Turn Around Time Required (Prior lab approval required for expedited TAT.): ✓ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

1. Relinquished by: Aaron A. Council	Date: 7/30/15	Time: 1133 ~~1000~~	1. Received by:	Date: 7/30/15	Time: 1133
2. Relinquished by	Date	Time: CT 7/31/15	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date: 7/30/15	Time: 1550	4. Laboratory received by	Date: 7/30/15	Time: 1550

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes / No Ice Pack
Receipt Temp. 2.4 °C 3.0

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

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Chain of Custody Record

Number 50104

Client: AECOM	Report to Contact: Aaron Council	Telephone No. / E-mail: 864-234-3032 aaron.council@aecom.com	Quote No.: 17808
Address: 10 Patewood Dr., Building 6, Suite 500	Sampler's Signature: X Aaron Council	Analysis (Attach list if more space is needed)	Page 2 of 4
City: Greenville	State: SC	Zip Code: 29615	Printed Name: Aaron Council		QG30034
Project Name: Itron - Greenwood			
Project No.: 60429584.04000	P.O. No.: 62743 ACM		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab/Comp	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	HCl	HNO3	H2SO4	NaOH	5035 Kit	TCL VOCs 8260B	Remarks / Cooler I.D.
DUP-1	7/29/15	1140	G	✓			3			1			✓	
EB-1	7/29/15	0810	G	✓			3			1			✓	
MW-7	7/29/15	1115	G	✓			3			1			✓	
MW-8	7/29/15	1200	G	✓			3			1			✓	
MW-9	7/28/15	1145	G	✓			3			1			✓	
MW-9D	7/28/15	1145	G	✓			3			1			✓	
MW-10R	7/28/15	0925	G	✓			3			1			✓	
MW-10I	7/28/15	0938	G	✓			3			1			✓	
MW-10D	7/28/15	0925	G	✓			3			1			✓	
MW-11	7/29/15	0940	G	✓			3			1			✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Aaron D. Council	7/30/15	1133 +000	1. Received by:	7/31/15	1133
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/30/15	1550	4. Laboratory received by	7/30/15	1550

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack

Receipt Temp. 2.4 °C 3.0

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 06-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

SHEALY **Chain of Custody Record**

Number 50105

Client: AECOM	Report to Contact: Aaron Council	Telephone No. / E-mail: 864-234-3032 aaron.council@aecom.com	Quote No.: 17808
Address: 10 Patewood Dr., Building G, Suite 500	Sampler's Signature: x Aaron Council	Analysis (Attach list if more space is needed)	Page 3 of 4
City: Greenville / State: SC / Zip Code: 29615	Printed Name: Aaron Council		QG30034
Project Name: Itron - Greenwood			
Project No.: 60429584.04000	P.O. No.: 62743ACM		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	TCL VOCs 8260B	Remarks / Cooler I.D.
MW-12	7/29/15	1020	G	✓			3			1			✓	
MW-13	7/28/15	1357	G	✓			3			1			✓	
MW-14	7/28/15	1140	G	✓			3			1			✓	
MW-15R	7/28/15	1509	G	✓			3			1			✓	
MW-16	7/28/15	1635	G	✓			3			1			✓	
MW-16D	7/28/15	1650	G	✓			3			1			✓	
MW-17	7/28/15	1640	G	✓			3			1			✓	
MW-17 MS	7/28/15	1640	G	✓			3			1			✓	
MW-17 MSD	7/28/15	1640	G	✓			3			1			✓	
Trip Blank 2				✓						2			✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

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

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Aaron D. Council	7/30/15	1133 +1000	1. Received by:	7/30/15	1133
2. Relinquished by	Date	Time CT 7/30	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/30/15	1350	4. Laboratory received by	7/30/15	1550

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack
Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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www.shealylab.com

Chain of Custody Record

Number 50107

Client: AECOM	Report to Contact: Aaron Council	Telephone No. / E-mail: 864-234-3032 aaron.council@aecom.com	Quote No.: 17808
Address: 10 Patewood Dr., Building 6, Suite 500	Sampler's Signature: x Aaron Council	Analysis (Attach list if more space is needed)	Page 4 of 4
City: Greenville / State: SC / Zip Code: 29615	Printed Name: Aaron Council		QG30034
Project Name: Itron - Greenwood			
Project No.: 60429584.04000	P.O. No.: 62743ACM		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non Aqueous	No of Containers by Preservative Type: Unpres	HNO3	H2SO4	HCl	NaOH	ZnAc NaOH	TCL VOCs, 8260B	Remarks / Cooler I.D.
MW-18	7/28/15	1043	G	✓			3			1			✓	
MW-19	7/28/15	1500	G	✓			3			1			✓	
MW-20	7/28/15	1400	G	✓			3			1			✓	
MW-21	7/29/15	0905	G	✓			3			1			✓	
MW-22D	7/28/15	1508	G	✓			3			1			✓	
DUP-2	7/29/15	0940	G	✓			3			1			✓	
EB-2	7/29/15	1040	G	✓			3			1			✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☒ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☒ Disposal by Lab

Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Aaron S. Council	7/30/15	1133 1000 CT 7/31	1. Received by:	7/30/15	1133
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	7/30/15	1530	4. Laboratory received by	7/30/15	1550

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No ice Pack
Receipt Temp 2.4 °C 3.0

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 17

Replaces Date: 11/07/14
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: AECOM Cooler Inspected by/date: mcm/7/30/15 Lot #: QC30037

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☐ FedEx ☐ Airborne Exp ☐ Other			
Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 13.0/13.0 °C 12.4/2.4 °C / / °C / / °C Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0.0 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☐	No ☑		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR #_____.			
Sample(s)_____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____ Sample(s)_____ were not received at a pH of <2 and were adjusted accordingly using SR#_____			
Sample labels applied by: mcm Verified by: _____ Date: 7/30/15			

Comments:

Report of Analysis

AECOM
10 Patewood Drive
Building 6, Suite 500
Greenville, SC 29615
Attention: Aaron Council

Project Name: Itron - Greenwood

Project Number: 60429584

Lot Number: QG17027

Date Completed: 07/23/2015

Lucas Odom
Project Manager

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative

AECOM

Lot Number: QG17027

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary

AECOM

Lot Number: QG17027

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-10I (49-50')	Solid	07/13/2015 1605	07/17/2015

(1 sample)

Executive Summary

AECOM

Lot Number: QG17027

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-10I (49-50')	Solid	Tetrachloroethene	8260B	170		ug/kg	6
001	MW-10I (49-50')	Solid	Toluene	8260B	4.1	J	ug/kg	6

(2 detections)

Client: AECOM
Description: MW-10I (49-50')
Date Sampled: 07/13/2015 1605
Date Received: 07/17/2015

Laboratory ID: QG17027-001
Matrix: Solid
% Solids: 70.2 07/19/2015 1448

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	07/21/2015 2028	JJG		80286	5.20
2	5035	8260B	1	07/22/2015 1336	DCS		80355	5.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		27	6.9	ug/kg	1
Benzene	71-43-2	8260B	ND		6.8	2.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.8	2.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.8	2.7	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.8	3.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	5.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.8	1.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.8	2.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.8	2.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.8	3.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.8	2.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.8	2.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.8	2.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.8	2.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.8	2.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.8	2.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.8	2.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.8	2.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.8	2.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.8	5.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.8	2.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.8	2.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.8	2.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.8	2.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.8	2.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.8	2.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.8	2.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.8	2.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.8	2.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	5.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.8	2.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.8	2.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.8	2.2	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	5.0	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.8	2.3	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.8	1.7	ug/kg	1
Styrene	100-42-5	8260B	ND		6.8	2.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.8	2.7	ug/kg	1
Tetrachloroethene	127-18-4	8260B	170		6.8	2.4	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: AECOM
Description: MW-10I (49-50')
Date Sampled: 07/13/2015 1605
Date Received: 07/17/2015

Laboratory ID: QG17027-001
Matrix: Solid
% Solids: 70.2 07/19/2015 1448

Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	07/21/2015 2028	JJG		80286	5.20
2	5035	8260B	1	07/22/2015 1336	DCS		80355	5.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Toluene	108-88-3	8260B	4.1	J	6.6	2.0	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.8	2.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.8	2.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.8	1.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.8	2.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.8	2.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.8	4.4	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		6.8	4.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.8	4.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		84	53-142		86	53-142
Bromofluorobenzene		102	47-138		106	47-138
Toluene-d8		97	68-124		105	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ80286-001
Batch: 80286
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	7.6	J	1	20	5.1	ug/kg	07/21/2015 1824
Benzene	ND		1	5.0	1.6	ug/kg	07/21/2015 1824
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
Bromoform	ND		1	5.0	2.0	ug/kg	07/21/2015 1824
Bromomethane (Methyl bromide)	ND		1	5.0	2.2	ug/kg	07/21/2015 1824
2-Butanone (MEK)	ND		1	10	4.2	ug/kg	07/21/2015 1824
Carbon disulfide	ND		1	5.0	1.3	ug/kg	07/21/2015 1824
Carbon tetrachloride	ND		1	5.0	1.4	ug/kg	07/21/2015 1824
Chlorobenzene	ND		1	5.0	1.6	ug/kg	07/21/2015 1824
Chloroethane	ND		1	5.0	2.4	ug/kg	07/21/2015 1824
Chloroform	ND		1	5.0	1.5	ug/kg	07/21/2015 1824
Chloromethane (Methyl chloride)	ND		1	5.0	2.0	ug/kg	07/21/2015 1824
Cyclohexane	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	2.1	ug/kg	07/21/2015 1824
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
1,2-Dibromoethane (EDB)	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
1,4-Dichlorobenzene	ND		1	5.0	1.5	ug/kg	07/21/2015 1824
1,3-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
Dichlorodifluoromethane	ND		1	5.0	3.7	ug/kg	07/21/2015 1824
1,2-Dichloroethane	ND		1	5.0	1.6	ug/kg	07/21/2015 1824
1,1-Dichloroethane	ND		1	5.0	1.5	ug/kg	07/21/2015 1824
1,1-Dichloroethene	ND		1	5.0	1.8	ug/kg	07/21/2015 1824
cis-1,2-Dichloroethene	ND		1	5.0	1.6	ug/kg	07/21/2015 1824
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	07/21/2015 1824
1,2-Dichloropropane	ND		1	5.0	1.5	ug/kg	07/21/2015 1824
cis-1,3-Dichloropropene	ND		1	5.0	1.5	ug/kg	07/21/2015 1824
trans-1,3-Dichloropropene	ND		1	5.0	1.5	ug/kg	07/21/2015 1824
Ethylbenzene	ND		1	5.0	1.6	ug/kg	07/21/2015 1824
2-Hexanone	ND		1	10	3.8	ug/kg	07/21/2015 1824
Isopropylbenzene	ND		1	5.0	1.5	ug/kg	07/21/2015 1824
Methyl acetate	ND		1	5.0	1.8	ug/kg	07/21/2015 1824
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	1.6	ug/kg	07/21/2015 1824
4-Methyl-2-pentanone	ND		1	10	3.6	ug/kg	07/21/2015 1824
Methylcyclohexane	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
Methylene chloride	ND		1	5.0	1.2	ug/kg	07/21/2015 1824
Styrene	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
1,1,2,2-Tetrachloroethane	ND		1	5.0	2.0	ug/kg	07/21/2015 1824
Tetrachloroethene	ND		1	5.0	1.7	ug/kg	07/21/2015 1824
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	1.8	ug/kg	07/21/2015 1824
1,2,4-Trichlorobenzene	ND		1	5.0	1.8	ug/kg	07/21/2015 1824
1,1,2-Trichloroethane	ND		1	5.0	1.6	ug/kg	07/21/2015 1824
1,1,1-Trichloroethane	ND		1	5.0	1.4	ug/kg	07/21/2015 1824
Trichloroethene	ND		1	5.0	1.6	ug/kg	07/21/2015 1824

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ80286-001
Batch: 80286
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichlorofluoromethane	ND		1	5.0	3.2	ug/kg	07/21/2015 1824
Vinyl chloride	ND		1	5.0	3.0	ug/kg	07/21/2015 1824
Xylenes (total)	ND		1	5.0	3.3	ug/kg	07/21/2015 1824

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		121	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ80286-002
Batch: 80286
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	140		1	136	60-140	07/21/2015 1705
Benzene	50	55		1	110	69-123	07/21/2015 1705
Bromodichloromethane	50	54		1	107	69-121	07/21/2015 1705
Bromoform	50	53		1	106	61-119	07/21/2015 1705
Bromomethane (Methyl bromide)	50	50		1	99	10-168	07/21/2015 1705
2-Butanone (MEK)	100	110		1	109	57-148	07/21/2015 1705
Carbon disulfide	50	57		1	114	58-122	07/21/2015 1705
Carbon tetrachloride	50	58		1	115	58-136	07/21/2015 1705
Chlorobenzene	50	54		1	108	59-129	07/21/2015 1705
Chloroethane	50	54		1	109	42-163	07/21/2015 1705
Chloroform	50	51		1	102	71-125	07/21/2015 1705
Chloromethane (Methyl chloride)	50	51		1	103	34-134	07/21/2015 1705
Cyclohexane	50	61		1	122	53-139	07/21/2015 1705
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	105	55-125	07/21/2015 1705
Dibromochloromethane	50	54		1	107	66-119	07/21/2015 1705
1,2-Dibromoethane (EDB)	50	53		1	106	74-124	07/21/2015 1705
1,2-Dichlorobenzene	50	57		1	113	57-131	07/21/2015 1705
1,4-Dichlorobenzene	50	57		1	114	52-133	07/21/2015 1705
1,3-Dichlorobenzene	50	57		1	114	51-134	07/21/2015 1705
Dichlorodifluoromethane	50	57		1	114	10-157	07/21/2015 1705
1,2-Dichloroethane	50	51		1	102	67-129	07/21/2015 1705
1,1-Dichloroethane	50	51		1	103	71-127	07/21/2015 1705
1,1-Dichloroethene	50	57		1	113	69-138	07/21/2015 1705
cis-1,2-Dichloroethene	50	54		1	108	70-122	07/21/2015 1705
trans-1,2-Dichloroethene	50	55		1	110	68-131	07/21/2015 1705
1,2-Dichloropropane	50	54		1	108	72-124	07/21/2015 1705
cis-1,3-Dichloropropene	50	56		1	112	70-126	07/21/2015 1705
trans-1,3-Dichloropropene	50	58		1	115	70-124	07/21/2015 1705
Ethylbenzene	50	59		1	119	59-128	07/21/2015 1705
2-Hexanone	100	110		1	108	54-137	07/21/2015 1705
Isopropylbenzene	50	58		1	117	50-136	07/21/2015 1705
Methyl acetate	50	52		1	104	59-137	07/21/2015 1705
Methyl tertiary butyl ether (MTBE)	50	52		1	103	70-130	07/21/2015 1705
4-Methyl-2-pentanone	100	110		1	106	60-134	07/21/2015 1705
Methylcyclohexane	50	61		1	122	41-144	07/21/2015 1705
Methylene chloride	50	48		1	96	70-130	07/21/2015 1705
Styrene	50	57		1	115	54-136	07/21/2015 1705
1,1,2,2-Tetrachloroethane	50	54		1	108	69-132	07/21/2015 1705
Tetrachloroethene	50	59		1	119	45-150	07/21/2015 1705
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	59		1	118	49-136	07/21/2015 1705
1,2,4-Trichlorobenzene	50	62		1	123	34-145	07/21/2015 1705
1,1,2-Trichloroethane	50	53		1	105	55-128	07/21/2015 1705
1,1,1-Trichloroethane	50	55		1	111	63-128	07/21/2015 1705
Trichloroethene	50	57		1	114	62-126	07/21/2015 1705

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ80286-002
Batch: 80286
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichlorofluoromethane	50	57		1	114	45-138	07/21/2015 1705
Vinyl chloride	50	56		1	112	42-132	07/21/2015 1705
Xylenes (total)	100	120		1	116	58-128	07/21/2015 1705

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	47-138
1,2-Dichloroethane-d4		89	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: QQ80355-001
Batch: 80355
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Toluene	ND		1	5.0	1.5	ug/kg	07/22/2015 1308

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		115	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		108	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: QQ80355-002
Batch: 80355
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Toluene	50	56		1	113	61-129	07/22/2015 1212

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		118	47-138
1,2-Dichloroethane-d4		98	53-142
Toluene-d8		112	68-124

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the MDL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record

Number 18713

Client: AECOM	Report to Contact: Aaron Council	Sampler (Printed Name): Aaron Council
Address: 7 Patewood Dr. Bldg 6 Suite 500	Telephone No. / Fax No. / Email: 864-234-3032 @ aecom.com	Waybill No.
City: Greenville / State: SC / Zip Code: 29615		
Project Name: Itron - Greenwood		
Project Number: 60429584	P.O Number:	

Quote No.

Page 1 of 1

Preservative: 1. Unpres. 4. HNO3 7. NaOH; 2. NaOH/ZnA 5. HCL; 3. H2SO4 6. Na Thio.

Sample ID / Description (Containers for each sample may be combined on one line)	Date	Time	G=Grab C=Composite	Matrix: GW	DW	WW	S	Other	Analysis: 8260 VOCs	% solids	Number of Containers	Bottle (See Instructions on back)
									4	2		
									A	A		
									1	1		
MW-10I (49-50')	7/13/15	1605	G				✓		✓	✓		

SHEALY ENVIRONMENTAL SERVICES, INC.
QG17027

Turn Around Time Required (Prior lab approval required for expedited TAT): ✓ Standard ☐ Rush (Please Specify)

Sample Disposal: ☐ Return to Client ✓ Disposal by Lab

QC Requirements (Specify)

Possible Hazard Identification: ✓ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

	Date	Time		Date	Time
1. Relinquished by / Sampler: Aaron S. Council	7/16/15	0800	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: Fedex	7-17-15	0930	4. Laboratory Received by: Kerry	7-17-15	0930

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Check) ✓ Yes ☐ No ☐ Ice Pack
Receipt Temp. 10.0 °C
Temp. Blank ☐ Y / ✓ N

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: F-AD-016
Revision Number: 17

Replaces Date: 11/07/14
Effective Date: 04/30/15

Sample Receipt Checklist (SRC)

Client: Aecom Cooler Inspected by/date: DWP 7-17-15 Lot #: QG17027

Means of receipt: ☑ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other			
Yes ☑	No ☐		1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt: 1 / 6.0 / 6.0 °C ___/___/___°C ___/___/___°C ___/___/___°C Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None			
Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other:_____. (For coolers received via commercial courier, PMs are to be notified immediately.) DWP 7-17-15
Yes ☑	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐	DWP 7-17-15	5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☑	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☐	No ☑		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	18. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)			
Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4,HNO_3,HCl,NaOH) using SR #_____.			
Sample(s)_____ were received with bubbles >6 mm in diameter.			
Sample(s)_____ were received with TRC >0.2 mg/L (If #21 is No)			
SC Drinking Water Project Sample(s) pH verified to be > 2 by _____ Date: _____ Sample(s)_____ were not received at a pH of <2 and were adjusted accordingly using SR#_____			
Sample labels applied by: DWP Verified by: _____ Date: 7-17-15			

Comments: